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The Department

Introduction

In the academic year 2010-2011 the Department of History and Philosophy of Science has been thriving. Funding in excess of £3 million was successfully secured from the European Research Council, several new members of staff joined the Department and even some new arrivals were welcomed into the world; perhaps potential students in the future! The Department continues to go from strength to strength.

Tim Lewens will be leading one of the new research projects, ‘A Science of Human Nature? Philosophical Disputes at the Interface of Natural and Social Science’, which will run for five years. This large scale research project focuses on a series of philosophical issues that have arisen in debates over cultural evolutionary theory.

The second of these projects will be managed by Tiago Mata, who will be exploring ‘Economics in the Public Sphere: USA, UK, France, Poland and Brazil since 1945’ looking at how journalists report the economy.

Liba Taub has been very successful in finding funds to refurbish the wall cases in the Main Gallery, which has allowed the Museum to better display its world-class collection of scientific instruments. The Museum was also involved in a number of outreach events, offering something a little bit special to the community.

The Whipple Library has also had a busy year, in particular with the launch of the book blog which showcases specific books from the Whipple’s large collection. The blog has proven popular, with posts from staff and PhD students on these books. The Library has also created a new online directory in order to access the wealth of material that exists in both the Department’s library and Cambridge University as a whole.

The Department welcomed Rohan Deb Roy, joining as a Wellcome Research Fellow, Karin Ekholm as a Teaching Associate, Isla Fay as a Research Associate working on the Diagrams project and Louisa Russell as the new Receptionist.

We said goodbye to Elma Brenner, Alex Broadbent, Kevin Brosnan and Jenny Fox. We also said farewell this term to Graham Cunningham who retired at the end of the academic year. Tim Eggington took a new post as Librarian at Queens College and Francis Neary joined the Darwin Correspondence project full-time. We want to thank them for the invaluable contribution that they made to the Department and wish them well in their future endeavours. We would also like to extend a special thanks to Jim Secord who was Head of Department during the calendar year 2011.

As the year comes to a close, it is apparent from the Annual Report that the achievements of the Library, the Museum and the individuals have led to 2010-2011 becoming a most successful year. It is at this point that we would like to thank everyone who has worked hard to ensure that the Department remains at the forefront of education and research. You are the ones who are recognised as the true achievers of success.

January 2011
Staff and Affiliates

Administrative Staff
Jenny Fox
Tamara Hug
Agnieszka Lanucha
Louisa Russell
David Thompson

Computing Staff
Mark Rogers

Library Staff
Tim Eggington
Dawn Moutrey

Museum Staff
Steven Kruse
Derek Scurll
Alison Smith
Claire Wallace

Teaching Officers
Hasok Chang
John Forrester
Nick Hopwood
Lauren Kassell
Tim Lewens
Eleanor Robson
Simon Schaffer
Jim Secord
Liba Taub

Teaching Associates
Kevin Brosnan
Vanessa Heggie
Karin Ekholm
Alexi Baker

Research Fellows
Salim Al-Gailani
Marie-Francoise Besnier
Elma Brenner
Jacqueline Cahif
Andrew Cunningham
Graham Cunningham
Rohan Deb Roy
Isla Fay
Mike Hawkins
Natalie Kaoukji
Francis Neary
Hilary Powell
Ruth Prince
Rob Rolley
Jennifer Rampling
Nicky Reeves
Greta Van Buylaere
Lydia Wilson
John Young

Affiliated Lecturers
Patricia Fara
Marina Frasca-Spada
Sachiko Kusukawa
Deborah Thom
Frances Willmoth

Emeritus Professors
Nick Jardine
Michael Redhead

College Research Fellows
Adam Bostanci
Paul Dicken
David Feller
Stephen John
Melanie Keene
Russell Manning
Ayesha Nathoo
Mark Sprevak

Affiliated Scholars
Jon Agar
Robert Anderson
Lisa Appignanesi
Debby Banham
Andrew Barry
German Berrios
Sanjoy Bhattacharya
Peter Bowler
Angela Breitenbach
Alex Broadbent
Janet Browne
Adelene Buckland
Robert Bud
Tatjana Buklijas
Jeremy Butterfield
Cristina Chimisso
Soraya de Chadarevian Alix
Cohen
Peter Collins
Christopher Cullen
Silvia De Renzi
Mary Dobson
John Durant
Catherine Eagleton
Michael Edwards
Nader El-Bizri
Roger Gaskell
Jeremy Gray
Ole Grell
Philippa Hardman
Anne Harrington
Sonia Horn
Shelley Innes
Catherine Jami
Richard Jennings
Peter Jones
Ludmilla Jordanova
Eli Kingma
Martin Kusch
Gerald Kutter
Emese Lafferton
David Leith
Chris Lewis
Geoffrey Lloyd
Helen Macdonald
Scott Mandelbrote
Anita McConnell
Christina McLeish
Simon Mitton
James Moore
Adam Mosley
Jaume Navarro
Onora O'Neill
Alison Pearn
Katy Price
Sadiah Qureshi
Chitra Ramalingam
Lisbet Rausings
Hauke Riesch
Leon Rocha
Martin Rudwick
Colin Russell
Christine Salazar
Anne Secord
Richard Serjeantson
Sujit Sivasundaram
Emma Spary
Alistair Sponsel
Jacqueline Stedall
Rebecca Stott
Laurence Tottie
Martin Underwood
Andrew Wear
Rick Welch
Paul White
Sarah Wilmot
Daniel Wilson
Eli Zahar

Other UoC People who do HPS
Rebecca Fleming
Joel Isaac
Martin Johnson
David Leith
Lee Macdonald
Scott Mandelbrote
Peter Mandler
Sujit Sivasundaram
Richard Smith
Emma Spary
Simon Szreter
Visitors and Students

Visiting Scholars
Miruna Achim
Mary Fissell
Anja-Silvia Goeing
Nils Güttler
Anne Katrine Hansen
Mimi Kim
Susan Lettow
Cesare Maffioli
Agustin Malón
Josipa Petrunic
Xavier Roqué
Babu Thaliath
Catherine Wilson
Weimin Xiong

Visiting Students
Hannah Burgess
Hauke Dopp
Nike Fakiner
Vangelis Koutalis
Francisco Orrego
Myma Perez
Ingrid Schnell
Alessandra Stocchetti
Juan Zaragoza-Bernal

PhD students
Alexandra Bacopoulous-Viau
Jennifer Bangham
Katy Barrett
Geoffrey Belknap
Jonathan Birch
Joanna Burch Brown
Sophie Brockmann
Mirjam Brusius
Michael Bycroft
Will Carruthers
Sean Dyde
Carl Fisher
Susannah Gibson
Natasha Goldberg
Ruth Horry
Jiri Hudecek
Boris Jardine
Jeremy Kessler
Katharina Kraus
Allison Ksiazkiewicz
Daniel Lim
Emily McTernan
Iris Montero-Sobrevilla
Lisa Mullins
Dmitry Myelnikov
Joshua Nall
Signe Nielsen
Jesse Olszynko-Gryn
Emma Perkins
Eoin Phillips
Alix Rogers
Joab Rosenberg
Joe Sandham
Minwoo Seo
Arianne Shahvisi
Katie Taylor
Nicholas Teh
Julie Walsh
Sophie Waring
Nicholas Whitfield
Joeri Witteveen
Alexander Wragge-Morley
Caitlin Wylie
Katharine Zimmerman

MPhil students
Andrena Ball
Christopher Blunt
Richard Gawne
Emma Griffin
James Hall
Oliver Hill-Andrews
Steve Irish
Robert Kubala
Jacob Orrje
Anaïs Rameau
Matthew Sample
Anna Schoefert
Christopher Wagner
Amy Williams
Lena Zuchowski

Part III students
Reuben Binns
Duncan Brannan
Netta Chachamü
Maddy Gregory-Clarke
William Cook
Christopher Donovan
Vashka dos Remedios
Natalie Lawrence
Esther Momcilovic
Joe Ryan
Merlin Sheldrake
Amy Sinclair
Georgina Wheeler
Louise Windo

Part II students
Lucy Akrill
Peter Atkinson
Sean Brennan
Christopher Campbell
Helen Campbell
Anne Carter
Eoin Carter
April Cashin-Garbutt
Natalie Christie
Alistair Cliff
Dora Coventry
Sophie Davies
Faraz Dianat
Craig Docherty
Simon Dyke
Kavi Fatania
Andy Gales
Nicholas Goodwin
Cassia Hare
Pip Johnson
John Kelly
Antonia McLean
Sophia Mohun Kemp
Rory Nath
Anna Nicholson-Lailey
Esther Odida
Thomas Portch
Helen Prasad
Bernard Redman
Michael Reid
Sophie Russell
Reuben Shiels
Neelo Shravat
Jack Stevens
Tamay Suri
Nathan Thomas
Alice Thwaites
Sara Timms
Isabel Wilson
Tristan Withers
Jessica Wong
Comings and Goings

**Elma Brenner** left us in the summer of 2011 to move on to a Mellon Fellowship at the Pontifical Institute of Mediaeval Studies in Toronto and was awarded a one month Dr. and Mrs James C. Caillouette Fellowship at the Huntington Library in San Marino.

**Graham Cunningham** retired from the Department in September 2011.

**Rohan Deb Roy** joined us in January as a Wellcome Research Fellow.

**Tim Eggington** left to take up a new post as Librarian at Queens College

**Karin Ekholm** started in January as a Teaching Associate and is currently standing in for Lauren Kassell.

**Isla Fay** became part of the Department in March to work on the Diagrams project.

**Jenny Fox** left at the end of the year to become an Accounts Clerk in Pharmacology and run a chocolate fountain business!

**Vanessa Heggie** was appointed to a two-year Teaching Associateship in History of Modern Medicine and Biology.

**Francis Neary** left to join the Darwin Correspondence project full-time.

**Sadiah Qureshi** left us in September 2011 to take up a Lectureship in Modern History at the University of Birmingham.

**Louisa Russell** joined the Department as our new Receptionist in April 2011.
Roles and Responsibilities

Departmental Positions

**Head of Department:** Professor John Forrester (M), Professor Jim Secord (L, E)  
**Administrative Officer:** Ms Tamara Hug  
**Director of Graduate Studies:** Dr Tim Lewens (M), Professor Simon Schaffer (L, E)  
**MPhil and Part III Manager:** Dr Eleanor Robson  
**Part II Manager:** Dr Lauren Kassell  
**Part IB Manager:** Dr Nick Hopwood  
**Staff Development Officer:** Professor John Forrester (academic staff), Tamara Hug (support staff)  
**Dignity Officer:** Professor Liba Taub  
**College Liaison Officer:** Dr Lauren Kassell  
**Chair Monitoring Committee:** Dr Lauren Kassell  
**Graduate Training Officer:** Dr Eleanor Robson

HPS Board and Degree Committee

**Chair of the HPS Board and Degree Committee:** Professor Jim Secord (M) and Professor Simon Schaffer (L, E)  
**Professors and Readers:** Professor Hasok Chang, Professor John Forrester (Head), Professor Liba Taub, Dr Eleanor Robson, Dr Tim Lewens  
**Curator and Director of the Whipple Museum:** Dr Liba Taub  
**Secretary of the Board and Secretary of the Degree Committee:** Ms Tamara Hug  
**Librarian:** Dr Tim Eggington  
**General Board Members:** Dr Michael Bravo and Professor Megan Vaughan  
**Co-options:** Dr Kevin Brosnan, Professor Tim Crane, Dr Vanessa Heggie, Dr Nick Hopwood, Dr Lauren Kassell  
**Elected Members:** Dr Elma Brenner, Dr Sachiko Kusukawa, Dr Sadiah Qureshi, Dr Sujit Sivasundaram  
**Junior Members:** Undergraduates: Vashka Dos Remedios (Peterhouse), Esther Odida (Jesus). Graduate: Kathryn Schoefert (Downing)

Philosophy Faculty Board

**HPS Representative:** Professor Hasok Chang

Examiners

**NST Part IB History and Philosophy of Science**  
**Senior Examiner:** Professor Hasok Chang  
**Examiners:** Dr Salim Al Gailani, Dr Kevin Brosnan, Dr Sacha Golob, Dr Jennifer Rampling, Professor Simon Schaffer
NST Part II History and Philosophy of Science including BBS History and Ethics of Medicine

Senior Examiner: Dr Eleanor Robson
External Examiner: Dr John Henry (University of Edinburgh)
Examiners: Dr Vanessa Heggie, Dr Nick Hopwood, Professor Nicholas Jardine, Dr Stephen John, Dr Lauren Kassell, Dr Marina Frasca-Spada

MPhil in History, Philosophy and Sociology of Science, Technology and Medicine

Senior Examiners: Professor Jim Secord and Dr Nicky Reeves
External Examiners: Dr Serafina Cuomo (Birkbeck, University of London)
Prizes, Projects and Honours

Student Prizes

Alistair Cliff was awarded the 2011 Jacob Bronowski Prize for best performance in the HPS Part II course.

Nick Goodwin was awarded the Fifth Annual Francis Willmoth Prize for best performance in the dissertation component of the PHS Part II course.

Merlin Sheldrake was awarded the Second Annual Lipton Prize for the best performance on the NST III HPS Course.

Anna Kathryn Schoefert was awarded the 14th Annual Jennifer Redhead Prize for best performance in the essay component of the MPhil course and the 8th Annual Rausing Prize for the best performance in the dissertation component of the MPhil.

New Research Projects

European Research Council:
A Science of Human Nature? Philosophical Disputes at the Interface of Natural and Social Science, Tim Lewens, 2011 to 2016

This project will run under the direction of Tim Lewens (Reader in the History and Philosophy of Biology, Medicine and Bioethics) and will also employ a research assistant, two postdoctoral fellows, and two doctoral students.

European Research Council:
Economics in the Public Sphere: USA, UK, France, Poland and Brazil since 1945, Tiago Mata, 2011 to 2016

Tiago Mata will be directing this project, working alongside two postdoctoral fellows, two doctoral students and a research assistant.
Seminars and Special Lectures

Wellcome Lecture

Mary Fissell (Johns Hopkins University) delivered the sixth Cambridge Wellcome Lecture in the History of Medicine on 20 January 2011 on the subject 'Encountering Aristotle's Masterpiece, or how to find a racy book about reproduction'.

Rausing Lecture

Dr Celina Fox delivered the Sixteenth Annual Hans Rausing Lecture at the McCrum Lecture Theatre on 26 May 2011 on the subject of ‘Surveying the scene, engineering the machine: Drawing things together in the Age of Enlightenment’.

Seminars, Graduate Workshops, Reading and Discussion Groups, and Language Groups

Departmental Seminars in the Department of History and Philosophy of Science organised by Nicky Reeves.
Research Topics and Resources Seminars organised by Tim Lewens and Eleanor Robson.
History of Medicine organised by Nick Hopwood, Lauren Kassell and Francis Neary.
Cabinet of Natural History organised by Caitlin Wylie.
Twentieth Century Think Tank
HPS History Workshop organised by Sophie Brockmann and Alexandra Bacopoulos-Viau.
Philosophy Workshop organised by Sacha Golob and Emily McTernan.
Metaphysics Reading Group organised by.
Science and Literature Reading Group organised by Daniel Friesner, Melanie Keene and Liz Smith.
History and Theory Reading Group organised by Jenny Bangham, Hasok Chang, Katharina Kraus and Jenny Rampling.
Evolution Reading Group organised by Katie Zimmerman.
Generation to Reproduction Reading Group
Latin Therapy organised by Susannah Gibson.
Greek Therapy organised by Liz Smith.
Kant Reading Group organised by Katharina Kraus.
AD HOC organised by Hasok Chang and Jenny Rampling.
Philosophy of Science organised by Hasok Chang and Jonathan Birch.
Philosophy of Biology organised by Joeri Witteveen and Jonathan Birch.
Medieval Medicine Discussion Group organised by Hilary Powell.
Twentieth-Century Biology Reading Group organised by Jenny Bangham and Dmitriy Myelnikov.
Particles and Fields Reading Group organised by Jeremy Butterfield and Hasok Chang.
## Student Statistics

### Student Numbers

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### Examination Results

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#### Part IB

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### Graduate Degrees Awarded

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<tr>
<td>Part III degrees awarded</td>
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<tr>
<td>PhD degrees awarded</td>
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Part II Essay and Dissertation Titles

Primary Source Essays

Paper 1: Classical Traditions in the Sciences
- Balasi – scholar and Royal favourite
- Conflict in correspondence: A survey of disputes and discrepancies in the communications of Assyrian scholars
- Public ceremony and private discretion in the sacrificial divination reports
- Rethinking the ‘grand dichotomy’: scholarly relationships, canonical texts and intimacy within the ancient Assyrian Court
- The Mesopotamian healing profession revisited: asû and asipu in the context of the Neo-Assyrian court
- “These words are rubbish!” Conflict and uncertainty amongst Assyrian scholars

Paper 2: Natural Philosophies: Renaissance to Enlightenment
- A comparison of the historical writings of Joseph Priestly and Sir John Pringle
- Given that the Copley Medal speeches had never previously been printed, why did Pringle’s first discourse as president, about Priestley’s “On the different kinds of air,” get published?
- Pringle, Walsh and the Torpedo Fish
- Sir John Pringle’s disciplinary histories: legitimation, continuity and nationalism
- The Copley Medal discourses as a tool of Sir John Pringle to advance his work on scurvy
- Why might Sir John Pringle have needed to justify his award of the Copley medal to Charles Hutton?

Paper 3: Science, Industry and Empire
- Charles Darwin and the evolution of Joseph Dalton Hooker’s philosophical botany
- Correspondence between Kingsley and Darwin
- Darwin as a mentor: the scientific correspondence between John Scott and Charles Darwin.
- Darwin in a muddle: What was Darwin trying to accomplish in his correspondence with Gray on the subject of design in nature?
- Darwin the Strategist: publication of ‘Origin’ abroad
- Did Edward Blythe’s correspondence help Charles Darwin to overcome key problems outlined in his 1842 and 1844 essays?
- Did Darwin’s political agenda outweigh his science? Why Darwin dismissed Reade’s ideas on the theory of racial origins
- Discuss how and why Darwin wrote differently about religious issues to different correspondents in the 1860s
- Discuss the relationship between Darwin’s life, work and nineteenth century views towards women
- Explore Charles Darwin’s valuation of the female intellect. How are his views regarding gender relations reflected in his private correspondence?
- Friendship and controversy in the correspondence of Darwin and Owen
- Henrietta and William Darwin both contributed to their father’s work, yet only William was acknowledged publicly. Was this a personal matter, or one relating to the period the children were living in?
- How does the early exchange of letters between Charles Darwin and Joseph Dalton Hooker show why Darwin confessed murder to Hooker?
- How and why did Charles Darwin present his argument against the idea that variation had been led, differently in correspondence to Asa Gray and Charles Lyell?
- How true is it to say that the correspondence between Charles Kingsley and Darwin was mutually beneficial?
- How valuable were Christian Gaika’s response to Charles Darwin’s ‘queries about expression’ as evidence for his work on the expression of the emotions in man and animal?
- How was Darwin’s contribution to the late-nineteenth century vivisection debate shaped by attitudes to gender?
- On Charles Darwin’s inclusion of the slave-making instincts of ants in the ‘Origin of the Species’
- The lucky fossil: The importance of the armadillo in the development of Charles Darwin’s transmutation theory
• What, if anything, did Charles Darwin hope to gain from sending an advance copy of ‘On the Origin of Species’ to Adam Sedgwick?

Paper 4: Metaphysics, Epistemology and the Sciences
• An assessment of the observable/unobservable distinction in Bas Van Fraasen’s the scientific image
• Constructive Empiricism and microscopic objects
• Does constructive empiricism add up?
• Does Van Frassen’s alternative to the Ultimate Argument succeed against Musgrave’s criticisms?
• Is it Bas Van Fraassen of Ian Hacking who used the light microscope correctly?
• Is Musgrave’s criticism of the observable/unobservable distinction a problem for the constructive empiricist?

Paper 5: Science in Society
• Dark matter and modified gravity: A study of how scientific controversies are settled
• Do Latour’s trials of strength fall at the hurdle of hylozoism?
• How can a consideration of education help us to extend Latour’s programme for studying science in society to the realm of “ready-made science?”
• Latour in action: The use of rhetoric to illustrate rhetoric

Paper 6: History and Philosophy of Mind
• Foucault on games (’jeux’) in psychiatric power
• Foucault on truth in psychiatric power
• Foucault’s panopticon
• How do Foucault’s concepts of disciplinary and sovereign power affect his account of the role of the family in the history of psychiatry?
• How does the asylum cure the mad?
• “Power, it does not exist.” And examination of the analysis of power in psychiatric power
• Saluting the hysterics: Antipsychiatry in psychiatric power

Paper 7: Medicine from Antiquity to the Enlightenment
• Comparison of Helkiah Crooke and John Banister’s anatomical works
• Defining womanhood in Helkiah Crooke’s ‘microcosmographia’ (1615)
• Helkiah Crooke’s microcosmographia (1615) and the ‘one-sex model’
• Man and the universe: The use of the microcosm in Helkiah Crooke’s microcosmographia
• Notions of perfection in Helkia Crooke’s ‘microcosmographia’
• Objections to the publication of Helkiah Crooke’s microcosmographia: A description of the body of man (1615)
• The effusion of seeds is altogether necessary, otherwise it were not a generation, but a new creation: How did Crooke reconcile conflicting sources regarding the existence of female ‘seed’ in microcosmographia (1615)?
• The epitome of anatomy: early modern understandings of female sexual pleasure and their presentation in Helkiah Crooke’s microcosmographia

Paper 8: Modern Medicine and Biomedical Science
• “An unprecedented photographic feat”. How did ‘Drama of life before birth’ differ from earlier representations of foetuses and embryos in Life magazine?
• Drama of life before birth: The question of iconicity
• Foetal voyager explored: the significance of space in ‘Drama of life before birth’
• How and why were Lennarty Nilsson’s photographs from the Life photo-essay ‘Drama of life before birth’ used so widely in the 1960s and 1970s?
• How and to what extent did ‘Drama of life before birth’ differ from earlier representations of embryos and foetuses, especially in Life magazine?
• How does the drama of life before birth compare to earlier and later representations of embryos and foetuses in life?
• In what ways can the 1965 and 1990 photo-essays: ‘Drama of life before birth’ and ‘the first days of creation’ by Lennart Nilsson be compared?
• Sacred images: the ‘divine’ in the production and use of Lennart Nilsson’s foetal photography
• “The easygoing high school science teacher”: Life magazine and the ‘Drama of life before birth’?
• To what extent did Lennart Nilsson’s pictures in the ‘Drama of life before birth’ shape the ideology of foetal personhood?
• To what extent was ‘Drama of life before birth’ ‘made to order’ for the antiabortion cause?
• Were Nilsson’s photographs in ‘Drama’ anti-abortion images in the 1960s?

Paper 9: Images of the Science
• Does the Vienna circle’s manifesto have a national character?
• How did the practical content of the Manifesto get there? Is it consistent with the philosophical position also promoted within the text?
• How does the science of perception add to the problem of theory-ladenness for Logical Positivism?
• How far does the Vienna Circle’s Manifesto reflect Otto Neurath’s social agenda?
• Neurath, Ideology and Wissenschaftliche Welttauffassung
• Tensions in the Vienna Circle’s manifesto regarding the ‘Unity of Science’
• The protocol statement and the unity of the Vienna circle
• To what extent can the downfall of the Vienna Circle Manifesto be attributed to the works of Quine and Kuhn?

Dissertations
• Antarctic exploration: practical science on expeditions and in polar literature
• Beyond Technoutopianism and Neo-Luddism: an analysis of the discourses on Facebook
• Can truth and selectivity exist side by side as explanations for the success of science?
• Comment and critique: evolutionary theories of morality
• Explanation and the realism debate in the context of intelligent design and evolutionary theory
• Given the notion of incommensurability, can Thomas Kuhn still hold that science progresses?
• Images of scientists in recent films
• Medicalising morality: smoking and health in the late nineteenth century
• Model evidence: anecdote and epistemology in Charles Darwin’s exposition and proof of natural selection theory
• Monoclonal antibody therapy
• Oliver Lodge, James Jeans and the relativity debate
• On the role of ‘scientific naturalism’ in the development of professional relationships in late Victorian Britain
• Our duty to protect species in individualistic and holistic ethics
• Police radicalism and philosophical materialism in medicine: how Thomas Wakley and his Lancet brought them together
• Research into everyday life at the Applied Psychology Unit, Cambridge, 1950s-1960s
• Responses to disease and disability in late 13th-century Paris: a study of Guillaume de Saint-Panthus’ ‘Miracles de Saint Louis’
• Science, politics and morality: an exploration of the controversies around HIV/AIDS prevention policy in Uganda
• Science reporting in Kenyan newspapers: the case of male circumcision trials and public health interventions to reduce HIV transmission
• ‘Test-tube babies’ in the British media, 1969-71
• The formation of neurology as a specialism in the United Kingdom
• The impact of the importation of Western medicine into colonial Africa
• The narrative of gender: re-reading the David Reimer case beyond Money and Diamond
• The role of photography in 1920s archaeology
• The switch-on of the large hadron collider as media event
• Why was the coincidence theory of consonance generally accepted in the seventeenth century ahead of Kepler’s?
• Why an evolved morality is free of a will
MPhil and Part III Essay and Dissertation Titles

MPhil Essay and Dissertation Titles

Andrena Ball

*Essays*
- Reading Nicomachus (supervised by Liba Taub)
- Scientific societies – women students in late Victorian Cambridge (supervised by Patricia Fara)
- John Nicholson – an 18th-century Cambridge bookseller (supervised by Nicky Reeves)

*Dissertation*
- Alchemy and patronage in Elizabethan England (supervised by Jenny Rampling)

Christopher Blunt

*Essays*
- "Failure to discriminate": responses to Stanford's criticisms of Psillos' 'Selective Realism' (supervised by Tim Lewens)
- Evaluating 'cohort multiple randomised controlled trials' (supervised by Stephen John)
- Scientific pluralism and the problem of demarcation (supervised by Hasok Chang)

*Dissertation*
- Hierarchies of evidence – not what the doctors ordered? The case against hierarchies in evidence-based medicine (supervised by Stephen John)

Richard Gawne

*Essays*
- Rethinking the legacy of J.H Woodger and the history of twentieth-century philosophy of biology (supervised by Kevin Brosnan)
- A critical evaluation of thought experimentation in standard analytic philosophy (supervised by Hasok Chang)
- Fossil evidence in Darwin's Origin of Species (supervised by Jim Secord)

*Dissertation*
- Rethinking the legacy of J.H. Woodger (supervised by Nick Jardine)

Emma Griffin

*Essays*
- Constructing the scientific expert on 'tobacco control': the politician as scientist in the New York City Smoke Free Air Act of 2002 (supervised by Jim Secord)
- Turing's haunted-universe doctrine and the function of interdisciplinarity in cognitive science (supervised by Hasok Chang)
- Why is the abandonment objection an objection? Moral intuitions, reflective equilibrium and the problem of providing healthcare to imprudent patients (supervised by Stephen John)

*Dissertation*
- Calculating credibility: Turing's 'On Computable Numbers' and the legitimation of computationalist programmes in cognitive science (supervised by Simon Schaffer)
James Hall

Essays
Controversy and character: mid-Victorian disputes over fossil elephants (supervised by Jim Secord)
Determining the medical and moral character of tea in the eighteenth century (supervised by Emma Spary)
Experimental investigations into the Indian serpents (supervised by Sujit Sivasundaram)

Dissertation
The races of cattle: acclimatization and classification between India and Britain (supervised by Jim Secord)

Oliver Hill-Andrews

Essays
Letters, print and authority in the Valentine Greatrakes controversy (supervised by Nicky Reeves)
William Cecil Dampier Whetham and his racial history of science (supervised by Nick Jardine)
Rayleigh, Tyndall and sensitive flames (supervised by Simon Schaffer)

Dissertation
The constituency of reason: Michael Foster and science in parliamentary politics (supervised by Jim Secord)

Stephen Irish

Essays
The method of indivisibles: infinitistic techniques in Cavalieri's geometry (supervised by Jacqueline Stedall)
Wollaston, crystallography and the atomic theory (supervised by Hasok Chang)
Values and inductive risk in scientific research (supervised by Kevin Brosnan)

Dissertation
Chemical constitution from algebraic analysis: the chemical calculus of Sir Benjamin Collins Brodie (supervised by Hasok Chang)

Robert Kubala

Essays
Models and perspectives: an assessment of Giere's realism (supervised by Hasok Chang)
Fact and value, science and ethics: a pragmatist assessment of Hilary Putnam and Sam Harris (supervised by Nick Jardine)
The evidentiary status of functional neuroimaging for cognitive science (supervised by Kevin Brosnan)

Dissertation
Trope Theory and the philosophy of perception (supervised by Tim Crane)

Jacob Orrje

Essays
Objectivity in literature: images of the artist and scientist (supervised by Katy Price)
Visions of virtual reality (supervised by Hasok Chang)
Craftsmen and Enlightenment science (supervised by Simon Schaffer)

Dissertation
Swedish spies overseas: national identity and the circulation of naval science in 18th-century London (supervised by Simon Schaffer)

Anaïs Rameau

Essays
From GOR to GORD and NERD: a biography of gastro-oesophageal reflux disease (supervised by Nick Hopwood)
Should physicians participate in the debate on the nature of health and disease? (Supervised by Kevin Brosnan)
The limitations of evidence-based medicine as an epistemological paradigm (supervised by Stephen John)

Dissertation
Does scientific pluralism offer a sound epistemological framework for medicine? (supervised by Hasok Chang)

Matthew Sample

Essays
Achieving security, precipitating rupture: Bridgman and Bachelard on the role of operations in science (Hasok Chang)
Performance and trust in the vaccine debates (supervised by Simon Schaffer)
Necessity and truth in Whewell's philosophy of science (supervised by Nick Jardine)

Dissertation
Saving the post-Kantian a priori: an analysis of scientific solutions and their justifications (supervised by Hasok Chang)

Anna Kathryn Schoefert

Essays
Placing a laboratory: botanical buildings in Cambridge around 1900 (supervised by Jim Secord)
Charting a science: Joseph Needham maps the history of biochemistry and physiology (Cambridge, c. 1924) (supervised by Simon Schaffer)
Dissecting a practice: post mortems and general practitioners in 1950s England (supervised by Nick Hopwood)

Dissertation
Researching the brain: the Corsellis collection at Runwell Hospital in the 1950s (supervised by Nick Hopwood)

Christopher Wagner

Essays
Nineteenth-century influences on the early occult thought of Carl Gustav Jung (supervised by John Forrester)
"Into the outer darkness": contagion and the mentally corrupt in Paracelsus's Liber de lunaticis (supervised by Jenny Rampling)
The development of Frederic Myers' 'subliminal self' (supervised by German Berrios)

Dissertation
A critique of Carl Jung's reading of the Sol und Luna Bildgedicht (Picture Poem) in 'The Psychology of the Transference' (1946) (supervised by Jenny Rampling/Sonu Shamdasani)

Amy Williams

Essays
Hot stuff: conceptions of sexual difference in early modern England (supervised by Lauren Kassell)
"Be her own physician": a comparison of two early modern English printed and manuscript remedy books (supervised by Peter Jones)
Old before his time: a discussion of Harvey's report on Old Port's autopsy (supervised by Karin Ekholm)

Dissertation
Constructing bodies: a discussion of anatomical teaching in early modern medical education (supervised by Lauren Kassell)

Lena Zuchowski

Essays
The impact of chaos theory (supervised by Hasok Chang)
The silence of the physicists (supervised by Simon Schaffer)
Mental health, the DSM and crime (supervised by Vanessa Heggie)
Part III Essay and Dissertation Titles

Reuben Binns

Essays
Who has scientific knowledge? Recent work in social epistemology (supervised by Stephen John)
Multiple realizability and mental causation: a problem for non-reductive physicalism (supervised by Nick Treanor)

Dissertation
Deontological justifications of intellectual property rights: a critique (supervised by Stephen John)

Duncan Brannan

Essays
Recondemning biological essentialism (supervised by Tim Lewens)
Doctor knows best? The mortality of medical testimony in uncertain situations (supervised by Stephen John)

Dissertation
From the edge of extinction: an examination of the virtues of last-ditch species preservation (supervised by Kevin Brosnan and Helen Macdonald)

Netta Chachamu

Essays
Philosophy as drag: performativity and passing in feminist philosophy (supervised by John Forrester)
Operationalizing psychological concepts: a philosophical critique (supervised by Stephen John)

Dissertation
The ethics of research into changing people's sexual preferences (supervised by Stephen John)

William Cook

Essays
Botanical exchange in the Iberian-American world, c.1770–1820 (supervised by Nick Jardine)
Degeneration and Lamarckism in H.G. Wells's The Island of Dr Moreau (supervised by Paul White)

Dissertation
The botanical specimens of Thomas Dale in the Martyn Herbarium (supervised by William Cook)

Chris Donovan

Essays
Epistemic values and objectivity (supervised by Hasok Chang)
Is the fact/value dichotomy an illusion?

Dissertation
What is practical knowledge? (supervised by Hasok Chang)

Vashka dos Remedios

Essays
Kuhn's evolutionary epistemology (supervised by Tim Lewens)
Neurath, universal jargon and isotype (supervised by Hasok Chang)

Dissertation
Dealing with complexity: a case for a definition by entropy development (supervised by Jeremy Butterfield)
Dissertation
Undermining the foundations of philosophy or cementing the gaps in theories of causation? Lakoff and Johnson's conceptual theory of metaphor (supervised by Hasok Chang)

Madeleine Gregory-Clarke

Essays
Was 'Big Science' a consequence of the Manhattan Project? (supervised by Simon Schaffer)
Risk and nuclear power (supervised by Stephen John)

Dissertation
Nunn May, tacit knowledge and the role of the atom spies (supervised by Simon Schaffer)

Natalie Lawrence

Essays
Collecting culture in the seventeenth and eighteenth centuries: the lepidopterist's perspective (supervised by Jim Secord)
The Prime Minister and the platypus: a paradox goes to war (supervised by Nick Jardine)

Dissertation
Birds of paradise and collecting Eden (supervised by Anne Secord)

Esther Momcilovic

Essays
Romantic genius in early nineteenth-century geology: a literature review (supervised by Jim Secord)
"Arcturus is his other name": Emily Dickinson's use of scientific language in her poetry (supervised by Katy Price)

Dissertation
Riding the Iguanodon to immortality: discovery in 19th-century geology (supervised by Jim Secord)

Joe Ryan

Essays
Towards a history of foetal subjects (supervised by Nick Hopwood)
Race and progress in William Holman Hunt's 'A Converted British Family Sheltering a Christian Priest from the Persecution of the Druids' (supervised by Jim Secord)

Dissertation
The early history of ethology in Cambridge (supervised by Helen Macdonald)

Merlin Sheldrake

Essays
Botanical encounters in the 18th and 19th centuries
"Good old fashioned muck": Albert Howard and the mycorrhizal symbiosis

Dissertation
What's in a name? Hereos and visions in Amazonian ethnobotany

Amy Sinclair

Essays
Two cases of patient activism in twentieth-century America: mental hygiene and AIDS
Issues around medical research and clinical trials in Africa: what is best practice and what are its limitations?
Globalisation and its consequences for the ethical issues surrounding global public health

Georgina Wheeler

Venereal disease in the interwar period: stories of control and resistance
PhD students' views on the nature of science and their own research

Louise Windo

Communicating global warming
Edward Lear, nonsense naturalist

Boyle's glow-worms: reflections on experiments and experimental reflections

PhD Theses

Awarded

Sophia Davis
‘Britain an island again: nature, the military and popular views of the British countryside, 1930-1965’
(Supervised by Nick Jardine)

David Feller
‘The hunter’s gaze: Charles Darwin and the role of dogs and sport in 19th century natural history’
(Supervised by Jim Secord)

Daniel Lim
‘Necessitarian dualism: carving a path between type-B physicalism and property dualism’
(Supervised by Martin Kusch)

Sasha Mudd
‘Unity in thought and action: the categorical imperative as the common principle reason in Kant’
(Supervised by Nick Jardine and Onora O’Neill)

Leon Rocha
‘Sex, Eugenics, Aesthetics and Utopia in the life and work of Zhang Jingsheng (1888-1970)’
(Supervised by John Forrester)

Alireza Taheri
‘An analysis of pathological forms of guilt and aggressivity in the work of Nietzsche, Freud, Lacan and Laplanche’
(Supervised by John Forrester)
Submitted

Geoffrey Belknap
‘From a Photograph: Photography and the Periodical Print Press, 1870-1890’.
(Supervised by Simon Schaffer)

Mirjam Brusius
‘Preserving the Forgotten: William Henry Fox Talbot, Photography and the Antique.’
(Supervised by Simon Schaffer)

Natasha Goldberg
‘selfish genes and nature’s joints: the Role of Metaphore in the Realism/Relativism Depate in Philosophy of Science.’
(Supervised by Eleanor Robson)

Jiri Hudecek
‘You do yours and I do mine: Wu WenTsun and Traditional Chinese Mathematics.’
(Supervised by Tim Lewens)

Alexander Wragge Morley
‘the Work of Representing Natural Things in England 1650-1720’.
(Supervised by Simon Schaffer)

Sam Nicholson
‘Pessimistic inductions and the tracking condition’
(Supervised by Tim Lewens)

Signe Nipper Nielsen
‘From the ‘Workshop of Wonders’: observing generation in Danish medicine, 1650-1800)
(Supervised by Lauren Kassell)

Iris Montero Sombrevilla
‘Transatlantic Hum: natural history and the itineraries of the torpid hummingbird, c. 1500-1800’.
(Supervised by Nick Jardine)

Joe Sandham
(Supervised by Marina Frasca-Spada)

Katie Taylor
‘Communicating Mathematics through Vernacular Books in Elizabethan England.’
(Supervised by Nick Jardine and Liba Taub)

Nick Whitfield
(Supervised by Nick Hopwood)

Lydia Wilson
‘Ancient medieval structures of knowledge: Situating al-Farabi’s ‘Enumeration of the Sciences’ ’
(Supervised by Nick Jardine and James Montgomery)
The Library

The increase in student numbers of the past couple of years together with the changing complexion of Library provision more generally is having a marked impact on the services provided by the Whipple Library. Whereas the Whipple previously focused largely upon the acquisition and loan of books on reading lists an increasing proportion of our time is now devoted to user-education, the provision of electronically scanned teaching materials, and collaboration in University-wide initiatives concerning electronic journals and books. This evolving information landscape has helped to make 2011 a busy and interesting year for the Whipple and HPS information resources more generally. This year the Library has been staffed by Tim Eggington (Librarian) and Dawn Moutrey (Library Assistant) and Agnieszka Lanucha (part-time Library Assistant).

Reader Statistics

Despite the considerable escalation in the availability of electronic resources and teaching materials in digitised form, there have been 13,021 book issues this year, only slightly fewer than the average of the past four years (which has been 13,494). An interesting trend has been in the steady increase in postgraduate as opposed to undergraduate issues. Whereas undergraduate borrowers have historically been our biggest user group, this year, for the first time, postgraduate book issues exceeded those to undergraduates by 3%.

Top Five Most Borrowed Books

<table>
<thead>
<tr>
<th>Charges</th>
<th>Shelf mark</th>
<th>Book</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>S7.MOR 1</td>
<td>I. R. Morus, <em>When physics became king</em></td>
</tr>
<tr>
<td>34</td>
<td>W7.BRU 2.1</td>
<td>D. Brunton (ed.), <em>Medicine transformed : health, disease and society in Europe, 1800-1930</em></td>
</tr>
<tr>
<td>30</td>
<td>W8.COO 7</td>
<td>R. Cooter and J. Pickstone (ed.), <em>Medicine in the twentieth century</em></td>
</tr>
<tr>
<td>27</td>
<td>JA.CUR 1</td>
<td>M. Curd and J. Cover (ed.), <em>Philosophy of science : the central issues</em></td>
</tr>
<tr>
<td>19</td>
<td>V3.JAR 1</td>
<td>N. Jardine, J.A. Secord, &amp; E.C. Spary, <em>Cultures of natural history</em></td>
</tr>
</tbody>
</table>

Electronic Developments/CamTools

Earlier in the year a significant decision was taken that the Library should undertake the task of administering the provision of HPS teaching resources on the University’s virtual learning environment, CamTools. This constituted a logical extension of an initiative introduced last year when the Library scanned and made accessible via CamTools all the MPhil/Part III required readings. This year, scanned readings were also made available to undergraduates, to the extent that for some papers nearly all readings are available electronically. Students are now able to access required readings without ever needing to come into the Library. In addition, we have also changed the appearance of the CamTools interface to better integrate access to HPS library resources (catalogues, e-journals, ebooks, etc.) with teaching materials such as reading lists and lecture handouts. We hope that students will now find it easier to navigate their way around the often confusing array of electronic and printed resources available to them.

This expansion in the Department’s provision of teaching materials via CamTools complements the broader, ever-increasing focus upon electronic provision taking place in academia more generally. An area of particular
importance has been the University’s burgeoning collection of HPS ebooks which now constitutes an integral element in our teaching provision. As well as proving a welcome convenience to our users, ebooks ease pressure on the Whipple Library’s shelf space and books budget. A regularly updated web page of available HPS ebooks is accessible via the ebooks section of the Whipple Library website. The Whipple Library plays an active part in the University’s ebooks@cambridge scheme, both in developing HPS related holdings and through a financial contribution.

More generally, further Whipple journal subscriptions became available online this year and some significant enhancements were made to the provision of HPS-relevant electronic resources by the UL. These include the following (links can be found on the Whipple Library web pages):

*Illustrated London News Online*
*Early European Books Online* (providing access to works printed in continental Europe before 1701)
*The Intelex Past Masters Collection* (includes the collected works of Wittgenstein (Blackwell) and Boyle (Pickering & Chatto))

**Journals**

The Whipple Library continued to benefit from the School's membership of the University's Journals Coordination Scheme, now in its third year. Approximately a third of Whipple journal subscriptions are included in the scheme, thereby achieving a substantial cost saving owing to the fact that Whipple journals in the scheme are paid at 2008 prices (the scheme pays subsequent inflationary increases). The Whipple Library continues to subscribe individually to those journals not included in the scheme. In total we now subscribe to 83 periodicals (including those in the JCS) 72 of which are also available in electronic form.

In exchange for a 10% reduction in subscription price from the publisher, The Journals Coordination Scheme this year took the decision to purchase Springer journals in electronic form only. The Whipple Library Committee was happy to endorse this decision.

**Gifts and Transfers**

Over the Summer Jim Secord and Library staff visited Cambridge University Medical Library to examine a large consignment of important 18th-20th century medical books due for de-accessioning. Of particular interest were an extensive number of huge pamphlet volumes, some of them containing unique items of special interest to historians of medicine and reflective of the University’s historic work in this area. Following discussions with UL Special Collections staff these volumes have been moved to The UL where the unique and rare items will be extracted and preserved. In addition, the Whipple was able to take around 60 medicine books, bringing the total transferred from the Medical Library to the Whipple over the past three years to 256. This most recent tranche includes books previously owned by Sir T. Clifford Allbutt (1839-1925), Regis Professor of Physic at Cambridge and inventor of the first short clinical thermometer; Alfredo Antunes Kanthack (1836-1898) who held the Chair of Pathology and after whom Cambridge's Pathology Library is named; and Sir George Murray Humphry (1820-1896) who held professorships in human anatomy and surgery and was the youngest hospital surgeon in England when he started working at Addenbrooke’s in 1842. In addition to pathology and anatomy, subjects covered include early studies of medical institutions, such as St Bartholomew’s in London and the Radcliffe Infirmary in Oxford. The collection has now been catalogued and can be found on Newton by searching for ‘University of Cambridge, Medical Library’.
The Whipple also received an important gift, described by John Forrester as ‘A fine collection of mid-century psychology and sociology books, often first editions, and including some very rare items (first editions of James’s Principles, first editions from Wilhelm Reich’s first years in the USA, first editions of translations of Jung into English).’ The books have all been catalogued on Newton and are searchable via the name of their former owner ‘D.H. Crompton’ to whose family the Whipple is most grateful.

**New Book Acquisitions**

The Library’s holdings now stand at 43,082 books and pamphlets. The Library continued to benefit from the support offered by Cambridge University Press to College and University libraries, through the allocation of £2,600 for the purchase of Press titles.

**Links with the UL**

The Whipple Library has continued to develop links with University Library in order to ensure that the University as a whole continues to preserve, and develop its extensive history of science collections. Discussions with UL special collections staff concerning Medical Library books (described above) represent just one element in this strategy. Whipple Library staff have also continued to work closely with the UL's European, English and electronic collections managers in order to ensure that books and resources the Whipple is unable to afford are acquired by the UL.

**Whipple Rare Books**

2011 was a busy and productive year with regard to our important rare book collections. The first of two Library exhibitions featured hand-painted illustrations of insect larvae, microorganisms and microscopes in a display entitled ‘Early 19th-century natural history and the diamond lens microscope: the microscope books of Dr C.R. Goring and Andrew Pritchard’. The second exhibition, curated by Part II students (Anne Carter, Natalie Christie, Alastair Cliff, Nick Goodwin and assisted by Simon Schaffer and Jenny Rampling), was entitled ‘Isaac Newton (1643–1727) and Newtonianism: Popularisation and canonisation via the medium of print’. Following seminar sessions with Professor Simon Schaffer, our student curators (led by Jenny Rampling) used Whipple Library rare books to show the diverse modes through which the idea of Newton and Newtonianism permeated 18th-century thinking, via books and publishing. Within the confines of our Library display cases four significant themes were
identified in children’s literature, popular science, fashion and academia. Online versions of both exhibitions can be accessed via the Whipple Library rare book web pages.

New Whipple Library Book Blog

As a further means of promoting interest in, and use of, Whipple Library rare book collections we set up a blog earlier in the year to showcase particular Whipple books and explore issues relating to them. Posts so far include a piece on Erasmus Darwin’s *Botanic Garden* by Dawn, an item by Caitlin Wylie on William Plane Pycraft and Janet Kelman’s *Nature Teaching on the Blackboard* and a post by Katie Taylor on Thomas Digges’ *Pantometria*. Further contributions by students and staff are warmly invited!

The blog can be accessed via the Library webpages and from this URL: <http://whipplelib.wordpress.com/>

Whipple Library Rare Book Workshops

As part of the Department's graduate training programme Roger Gaskell (assisted by the Librarian) conducted a series of workshops demonstrating how physical evidence in printed books, and an understanding of their production history, can be deployed for an historically informed reading of texts, using Whipple rare books as examples. These sessions were well received by the postgraduate students who attended, and offered a good example of how Whipple rare books can play a part in the Department's teaching. The librarian also delivered two sessions for librarians entitled ‘*Book History for Librarians. Making the most of your rare book collections course*’ as part of the University's ‘Librarians in Training’ programme.

New Whipple e-directory to Cambridge’s HPS-related Manuscripts and Rare Books

It is well known that one of the benefits of studying/researching HPS at Cambridge is the vast, world-class range of rare book and manuscript collections that exist in Cambridge as a whole. Unfortunately, these sources are scattered across many libraries and catalogued in all sorts of different ways or not at all, making it difficult to discover what there is and where it is. Assisted by an HPS researchers’ focus group, and librarians/academics from across Cambridge, the Whipple Library has now created a new online directory to Cambridge’s HPS-related manuscripts and rare books. This acts as a useful starting point for prospective and existing staff and students seeking to navigate the wealth of material that exists in Cambridge, by subject, name and institution.

The directory can be accessed via the Library webpages and from this URL:  
http://www.hps.cam.ac.uk/library/directory/
Special Projects

Gallery Development

Major Refurbishment of the Main Gallery

January 2011 saw the re-opening of the Main Gallery, following a major refurbishment, financed by a generous (£60,000) grant from the DCMS/Wolfson Fund, with additional support from the School of Humanities and Social Sciences. Amongst other improvements, the refurbishment enabled the replacement of the old, outdated display cases with new cases that comply with modern museum standards. Furthermore, the new cases have greater display capacity, allowing us to showcase more of the collection.

The installation of the new cases gave a special opportunity to re-design the displays. While some old favourites are still there, a number of entirely new ‘case studies’ have been installed, including one devoted to Dillon Weston’s glass fungi models, conceived and installed by Ruth Horry, a current PhD student. Boris Jardine, also a PhD student in the Department, contributed greatly to the overall shape and content of the new display. Striking new introductory panels have been designed and produced by PandIS.

In addition, several cases have been specially designated for exhibits linked to current major research projects in the Department of History and Philosophy of Science: the Wellcome Trust-supported Generation to Reproduction Project and the AHRC-supported Board of Longitude Project.

The installation of the new cases required the relocation of the Herschel telescope, which is now displayed on the main floor of the gallery, allowing visitors to have a closer look.
The Main Gallery is in a room that is nearly 400 years old, featuring a distinctive Grade II-listed hammer-beam roof. The new cases harmonise well with the character of the Perse Hall, and the ‘new’ Main Gallery has won many compliments from visitors, as well as from museum specialists.

The Upper Gallery

Special ‘black out’ blinds were installed in June 2011 in the Upper Gallery, following a conservation review and advice from Deborah Walton, Renaissance Regional Conservation Officer for Cambridgeshire and Peterborough. The new blinds will protect the globe display from natural daylight and harmful UV rays.

The Reserve Gallery

The Reserve Gallery has been re-opened as a visitor-accessible space, having been used for much-needed storage over the last couple of years. New cases dedicated to ‘visible storage’ have been purchased, allowing objects to be stored in an efficient, secure manner while enabling visitors to see them. The installation of cases and objects was completed five months ahead of schedule and the space can now also be booked for teaching and for research visits.

The Science of Musical Sound Project

Two specially-designed interactives, relating to Helmholtz resonators and Lissajous curves, have been installed on the Explore website (http://www.hps.cam.ac.uk/whipple/explore/interactives/); these were accomplished with funding from the Newton Trust for our Science of Musical Sound Project, and additional support from MLA (Museums, Libraries, Archives) for audience development.

The Science of Musical Sound Project was completed at the end of 2010. The Whipple Museum is grateful to Torben Rees and Derek Scurll for their work as project researchers. Both of them contributed to a special exhibition linked to the project, described below.

Exhibitions

The Acoustical Experiments of Lord Rayleigh

To help mark the 350th anniversary of the Royal Society, the Whipple Museum chose Lord Rayleigh as our ‘Local Hero’. Rayleigh’s extensive involvement in the University of Cambridge (as student and Fellow of Trinity College and as Chancellor of the University), together with his work in the science of acoustics (the focus of our Science of Musical Sound project), made him an ideal choice.

The exhibition, which received generous support from the Royal Society, featured some homemade apparatus from Rayleigh’s workshop at Terling Place, Essex. These objects, used in many of Rayleigh’s experiments, have not previously been on display. Indeed those objects that had remained at Terling have barely been handled since Rayleigh’s death in 1919.

This exhibition presents a brief summary of Rayleigh’s life and achievements, with particular focus on his acoustical experiments, which formed the backbone of his work on the subject, much of which remains relevant in the field of acoustics today.

The Whipple is very grateful to the Rayleigh family, the Science Museum and the Cavendish Laboratory for allowing us to have material on loan for this special exhibition. Science Museum staff, especially Jane Wess and Adrian Whicher, were very helpful in facilitating the loan and necessary conservation. This was one of the few occasions on which the Whipple has displayed material not in its own collection. An illustrated guide, The Acoustical Experiments of Lord Rayleigh, with a biographical sketch by Professor Edward A Davis, was published to accompany the exhibition. Professor Davis, Vashka dos Remedios, Nick Whitfield and Neville Taylor each made valuable contributions to the production of the exhibition and guide.
Globes

The temporary Globes exhibition in the Upper Gallery has proved extremely popular with visitors. We are now planning to develop a more permanent display of the Whipple’s diverse collection of globes, which includes many kinds of representations of Earth, as well as a variety of astronomical globes. We have begun fund-raising for new cases to display our fine collection of globes and related objects, and are investigating options to display them most effectively.

Outreach Events

Once again, the Community Learning and Outreach fund contributed support to special events at the Whipple; this support was made possible by a grant from MLA Renaissance East of England (http://www.renaissance-east.org.uk/).

Festival of Ideas

The Whipple took part in the University-wide Festival of Ideas, in spite of the closure for refurbishment. A Fantastic Fungus day was held on 23rd October 2010, with Kelley Swain, the Whipple’s poet-in-residence, offering a ‘mushroom’ creative writing workshop which was preceded by talks related to mushrooms. PhD student Ruth Horry spoke about the Dillon Weston glass fungi models and Dr. Richard Barnett told the audience about the use of mushrooms in medicine. Real mushrooms were available as writing prompts and many members of the group were inspired to write their own poetry.

Twilight at the Museum

At 4.30pm on 23rd February 2011 the lights were dimmed for Twilight at the Museum. Armed with torches, visitors (especially the very young) enjoyed an unusual and atmospheric experience. A space-themed trail led visitors around the galleries towards a secret codeword written in UV ink hidden with a special display of ‘space toys’ within the newly refurbished Main Gallery. If successful in finding the codeword, they could claim a prize from one of the Whipple staff members. This was an extremely popular event with over 780 people attending over the course of the evening.

Cambridge Science Festival

In March, the Whipple held two events as part of the Cambridge Science Festival.

On the 16th, The British Society for the History of Science Strolling Players performed ‘The Tables Turned’. This short role play focused on the topic of ‘supposed supernatural activities to consider the scientific method, and the province of the sciences.’

The Whipple Museum was also open on Saturday March 19th, maintaining its tradition of opening for one Saturday during the Festival. Visitors who cannot ordinarily get to the Whipple during the week had an opportunity to view the collection, and the opening, as ever, was particularly popular with families. Younger visitors ensured that the handling collection was well used and there were queues in discover for the interactives.

Claire Wallace, Steve Kruse, Alison Smith, Vashka dos Remedios, Katy Barrett, Derek Scurll and Ruth Horry all volunteered their services. 440 people visited the museum during the day.

Summer at the Museums

On 26th July, Kelley Swain, the Whipple’s poet in residence and Lesley Saunders held a poetry discussion in the Museum. They both read recent work inspired by objects from the Whipple.
On 1st and 8th August the Whipple Museum joined forces with the Museum of Archaeology and Anthropology (MAA) for two ‘Summer at the Museums’ events. Heather Donoghue set up MAA’s Cabinet of Curiosity in the New Gallery which children were encouraged to examine and draw their favourite objects. There were also Chinese fans and paper plate Maori masks for children to make and colour.

These events also tied in with the ‘Draw What You Saw’ competition which was rolled out across 11 Cambridge museums. Children could pick up a postcard on which they were able to draw their favourite object at the museum they visited, post it in the box provided, and a winner was picked every week. The best drawings were all posted on the Cambridge University Museum’s Flickr account.

Open Cambridge

The Whipple Museum took part in two events as part of the University’s Open Cambridge festival which promotes local attractions (in particular those belonging to the University) to local people. On Friday 9th September, the Whipple’s Main Gallery was filled with the sound of a Bassoon quartet, ‘Harmonious Bassoons’, who played an ‘eclectic mix of music from pop to classical, TV themes to jazz’.

The Museum was also open on Saturday 10th September allowing visitors to explore the Whipple’s collections and investigate how some of our objects work using the handling trolleys.

Alumni Weekend

The Whipple Museum took part in the University’s Alumni Weekend alongside other members of the Department of History and Philosophy of Science. In ‘The Tools of Science’, Simon Schaffer gave a talk on Herschel’s telescope, Jim Secord gave a talk on Charles Lyell’s Geological Hammer and then Liba Taub lead a tour of the Whipple Museum. The Museum was also open throughout the afternoon for visitors to browse at their leisure.

Other Events

Arts Council England

On the 13th September 2011 Arts Council England held their Museums and Renaissance briefing at the Whipple Museum. This was the launch of the future policy and funding opportunities for museums and Renaissance 2012-2015. The briefing was attended by representatives from museums and county bodies from across the East of England region. Katy Barrett and Vashka dos Remedios very kindly provided help with this event.

SHARE course

On the 28th January, one session of the six week ‘Understanding Museums’ course organized by SHARE (as part of Renaissance in the Regions) was held in the New Gallery.

Book Launch at the Whipple

On the 14th March, the publication of Dr Vanessa Heggie’s book ‘A history of British sports medicine’ was celebrated in the Main Gallery with an evening launch.

Special Visits

The new Vice-Chancellor, Professor Sir Leszek Borysiewicz, paid a special visit to the Museum on 14th October shortly after taking up his new post.

Michael Perry and Alicia Guirao (on behalf of George Louden and Adam Lowe) photographed Henslow diagrams in April. This project was the first step towards the possible production of high-quality, limited edition prints.
On 14th June Simon Fourney (Head of Arts Programme Grants, Wolfson Foundation) and Deborah Easlick (CUDO) visited the Museum to see the new cases bought by money part-funded by DCMS/Wolfson. Claire Wallace took them on a tour around the Whipple with Jim Secord.

We had four work experience pupils this year. They were Fiona Case from Sawston Village College (28/03/11-08/04/11), James Galvin from Linton Village College (06/06/11-17/06/11), Natasha Cross from Torquay Girls Grammar School (04-08/07/11) and Theo French from Bottisham Village College (04-15/07/11). They created new displays in the discover gallery which included globes, ivory sundials and cartographic material. James also helped us with new material for the poster boards at the front of the building and created some new trails.

In July Ruth Horry hosted a tour for International delegates from Royal Society of Chemistry and in September Claire Wallace welcomed a group from the Museum of Technology.

Television Appearances

On 15th March the BBC were filming for ‘The Story of Electricity’ in the Maxwell Lecture theatre. Some objects from the Whipple were included in the programme, alongside working replicas.

William Twycross visited the Museum on 10th May to film the model of the motion of a particle during an earthquake, made circa 1887 (Wh. 3461). He was particularly interested in this object as he was making a documentary about a relative of his, Professor John Milne, a geologist with a particular interest in seismology, who worked in Japan and was a colleague of Professor Seikei Sekiya in the 1870s and 1880s.

On 13th June Dr Patricia Fara was filmed by Renegade films talking about the Grand Orrery in the Main Gallery.

Teaching and Research

Departmental Teaching

The Whipple Museum plays an important role in teaching within the Department of History and Philosophy of Science. Lecturers use the Museum displays and the collection to illustrate their own lectures, whilst the Director and others, including Dr Catherine Eagleton, offer lecture-demonstration classes on instruments, models and collections for Paper 1 and Paper 2 in particular, amongst others. A consideration of the place of instruments in museums was the focus of the MPhil seminar led by the Director. Students have the opportunity to work with the Museum’s collection as part of their studies and in recent years a number of undergraduates and postgraduate theses have been undertaken on objects in the collection. This year, a special tour of the Museum was offered to IB students in HPS.

Visits from other HE Institutions:

ARU visit

On the 22nd October 2010, Paul Jackson (Head of the Music Department, Anglia Ruskin University) brought a group of students to the HPS department for a seminar led by Derek Scurll, as part of the SMS project. The students were a mix of third-years studying for a BA in music and a BA in creative music technology. Using objects from our main collection—including Lissajous tuning forks (Wh.6229) and a glass Helmholtz resonator (Wh.6268)—and objects from our handling collection, Derek illustrated some basic acoustical principles.

Student and Staff Research

On Friday 12th November, the Whipple Museum was host to an Interdisciplinary Workshop on Reproduction, organized by Salim Al-Gailani, in the New Gallery.

As part of the refurbishment of the Main Gallery, the Board of Longitude and Generation to Reproduction were each offered two display cases to curate. These should be completed by the end of 2011.
MPhil Essays and Theses

Josefine Baark  ‘The Art in Science and the Science in Art’: Glass Models of Flowers and Fungi (Wh. 5826)
(Josefine Baark is an MPhil student in the History of Art Department, University of Cambridge)

Publications


Grants and Donations

Donations

We are very grateful to Anita McConnell and the Ann D Foundation for their continuing contributions, which support the work of the Whipple in various ways, particularly in helping to fund student internships.

Staff News

Vashka dos Remedios (MPhil) and Nick Whitfield (PhD) both helped with the Rayleigh exhibition guide over the summer vacation. Doctoral students Ruth Horry, Katy Barrett, Josh Nall, and Boris Jardine continued to help in the Museum on a part-time basis. Boris Jardine has since taken up the post of Curator of History of Science at the Science Museum, London.

Training

11th January 2011
The Equality Act: The Implications. This session was held at the Fitzwilliam Museum and was attended by Claire Wallace. This course helped to improve awareness of the Equality Act and how it affects museums.

22nd February 2011
The Dispensation Process: all you need to know. Claire Wallace attended this course, held by the University’s Finance Department. She gained knowledge about the situations in which the Dispensation Process should be applied, particularly when making acquisitions to the collection. She also learned that this process is likely to become irrelevant for Museums and Libraries within the University.

7th April 2011
University Museums Emergency Support Network. Claire Wallace visited the Fitzwilliam Museum to go ‘behind the scenes’ and see where emergency materials are kept and to learn about evacuation routes for objects.

18th July 2011
Providing a Service for visitors who are blind or partially sighted. Alison Smith attended this course which gave a background into common eye conditions, meeting, greeting and guiding blind visitors and museum and gallery access.

Ongoing throughout 2010-11:
The MAGIC3 (Museums and Galleries in Cambridge) project was attended by Steven Kruse. This project aims to improve relationships between schools and museums in Cambridge, and to increase staff skills in outreach and education.
Loans

The Whipple Museum continues to receive requests from other museums for the loan of objects from its collection. This is evidence of how highly regarded the collection is both nationally and internationally. The Whipple contributes material to exhibitions in other institutions in order to encourage new research as well as public enjoyment of its collection. Below is a list of the borrowing institutions, exhibitions held and the objects borrowed during this academic year.

Loans out

Kettle’s Yard Museum, Cambridge
Optics and light tricks workshop, March 2011
HC 69 & 70 ‘Optics’ handling trolley box

Maths Faculty, University of Cambridge
Maths Faculty Open Days, May 2011
HC 48 Replica Sextant

Loans in

Normally, the Whipple does not have objects on loan from other institutions, having its own rich and varied collection. However, for the special exhibition relating to the 350th anniversary of the Royal Society, with its focus on the ‘Local Hero’ Lord Rayleigh, it seemed appropriate to break this unwritten ‘rule’. The Whipple is very grateful to the Rayleigh family, and to the Science Museum and the Cavendish Laboratory for making this exhibition possible.

Science Museum
1930-407 Instrument for measuring the intensity of vibration in the air
1930-418 Zinc Bell
1930-452 Apparatus for the investigation of the perception of sound direction
1930-445 Apparatus for demonstrating the interference of sound waves
1930-443 Horn with elliptical section
1930-444 Horn with elliptical section

Terling Place
Phonic wheel apparatus
Glass bottle with dried peas
Electrically maintained tuning fork
Singing flame apparatus
Wooden box of bird calls
Acoustic interference/iridescence analogue equipment
Self-portrait (glass slide)
Timpani and iron stand
Metronome
Helmholtz resonator and sounder
Siren
Stroboscopic cylinder
Boys apparatus

Cavendish Laboratory
The Acoustical Experiments of Lord Rayleigh May 2010 – November 2010
Portrait of Lord Rayleigh for Rayleigh Exhibition
New acquisitions

6388- Wax models of Asterina gibbosa Forbes by Adolf Ziegler; c. 1882
6398 Wax model of the primordial skull by Adolf Ziegler; c. 1881
6403 Wax model of Rana temporaria development by Adolf Ziegler; c. 1851
6428 Wax model of Gallus (chick) development by Adolf Ziegler; c. 1868
6451 Wax model of Gallus (chick) development by Adolf Ziegler; c. 1868
6474 Wax model of Torpedo ocellata (electric ray) development by Adolf Ziegler; c. 1892
6479 Brass sector by John Mark(e); late 17th century
6481 Boxwood slide rule by Isaac Carver; c. 1697
6482 Brass gunner’s calipers by George Adams; late 18th century
6483 A Watt-type steam engine indicator; early 19th century
6484 A museum microscope by W. Watson; early 20th century
6485 Elton’s astronomical screen or “Transparent Astrarium”; English; c. 1819
6486 Bett’s patent portable globe; English; c. 1860
6487 “Lord’s calculator” by Elliott brothers; English; c. 1880
6488 Nickel plated surveying level by A. Berthelemie
6489 “Klima-Globus” by Georg Jeusch; c. 1970
6490 Wave machine after E. Mach; Vienna; c. 1890
6491 4 printing blocks for Clay & Court’s ‘History of the microscope’
6492 Box camera obscura; 19th century
6493 Fresnel’s mirror for interference demonstration by V. Fric; 19th century
6494 Catalogue of the Mensing collection; R. S. Whipple’s copy; c. 1924
6495 2 magic lantern slides of Mars
6496 Slate globe by Philips; 20th century
6497 3 metronomes
6498 A resistance box
6499 Galvanometer; Atelier Ruhmkorff; by J. Carpentier; Paris; c. 1880
Individuals

Annual Reports of Members of the Department

Salim Al-Gailani

Lectures, seminars and conferences

April 2011
‘Antenatal health and the politics of biomedical research on pregnancy in interwar Britain’, American Association for the History of Medicine Annual Meeting, Philadelphia

May 2011
The ‘Great Ice Age’ of anatomy: learning from frozen sections c. 1900, Department of History and Philosophy of Science, University of Cambridge

Dr Jon Agar

I have continued to be a friend of the Department. This year, aside from teaching at the Department of Science and Technology Studies (STS) at UCL, I have been finishing my book on the history of 20th century science. I am also editor of the British Journal for the History of Science.

Publications

Jon Agar, ‘Plant films’, for Secrets of Nature DVD, British Film Institute, 2010
Jon Agar, ‘Peas and Cues’, British Film Institute Screen online analysis and synopsis, 2010

Lectures, seminars and conferences

‘Sacrificial Experts?’ the Volunteers for Ionising Radiation in historical context’, British Nuclear Culture, Liverpool
17-18 June 2010
‘Dad’s Radioactive Army: Scientists, Engineers (and Philosophers) as Volunteers Post-Chernobyl’, STS Research Day
16 June 2010
‘Dad’s Radioactive Army: Scientists, Engineers (and Philosophers) as Volunteers Post-Chernobyl’, BSHS Annual Conference Aberdeen, July 2010

Alexi Baker

Alexi Baker is a post-doctoral Research Associate on the project 'The Board of Longitude 1714–1828: Science, Innovation and Empire in the Georgian World'. She is also rewriting her doctoral thesis, "This Ingenious Business": the socio-economics of the scientific instrument trade in London, 1700–1750, for publication as a book and is in the process of contributing to a book about the academic uses of historical GIS mapping.

Publications

Online
Lectures, seminars and conferences

July 2011
‘Redefining the early nature and nomenclature of the “Board of Longitude”’, BS Hawks Annual Conference, University of Exeter.

September 2011
‘Basic tools, brilliant curiosities and black boxes: technology and the search for the longitude at sea’, XXXY Scientific Instrument Symposium, Kassel, Germany.

Presentation on the nature and history of the Board of Longitude, All a-Board: The Processes of Governmental Administration 1730-1830, HPS, Cambridge.

Debby Banham

It’s been an exciting year for Anglo-Saxon medicine, with my student Conan Doyle finishing his PhD in the Anglo-Saxon, Norse and Celtic Department, and a new PhD student starting, as well as two MPhils in the same Department, so I had plenty of help making Anglo-Saxon herbal remedies with schoolchildren for the Festival of Ideas in October. Since Christmas, Peter Jones and I have been doing our best to keep the Medieval Medicine Discussion Group going while Hilary Powell’s been on maternity leave, with excellent presentations from Professors Martha Bayless and Lea Olsan (plus a paper from me). Meanwhile, I’ve been working hard on my Anglo-Saxon farming book (final – I hope – revisions taking place summer 2011), and of course Latin Therapy continues to be one of the most lively and stimulating parts of my life, and we finally published our fourth booklet in time for Christmas (see below).

Publications

Edited books
with Jennifer Rampling and Nick Jardine, Recipes for Disaster (Whipple Museum, Cambridge, 2010)

Articles in books

Articles in journals

Lectures, seminars and conferences

February 2010
‘BL Sloane 1621: an eleventh-century medical manuscript at least partly from Bury St Edmunds’, Medieval Manuscript Seminar, Institute of English Studies, University of London

March 2010
‘Medicine at eleventh-century Bury St Edmunds’, Medieval Medicine Discussion Group, HPS

May 2010
‘Monastic sign-language: saying “Yes, please” and “No, thank you”’, Acceptance and Rejection of Food, Medieval Diet Group, Somerville College, Oxford

June 2010
‘English vernacular palaeography’, London Palaeography Summer School, Institute of English Studies, University of London
Andrew Barry

Andrew Barry is Reader in Geography at Oxford University and Academic Director of the MSc programme in Nature, Society and Environmental Policy.

Publications

Articles in books

‘Technological Zones’ in D. Oswell (ed) Cultural Theory vol 1: Legacies and Innovations, (Sage, 2010), 123-140
‘Materialist Politics: Metallurgy’ in B Braun and S Whatmore (eds) Political Matter: technoscience, democracy and public life, (Minnesota University Press, 2010), 89-118
‘Tarde’s Method: between statistics and experimentation’ in M Candea (ed) The Social after Tarde: Debates and Assessments, (Routledge, 2010), 177-190

Articles in journals


Lectures, seminars and conferences

January 2010
‘Interdisciplinarity and Disciplinarity’, Interdisciplinary Research, Department of Politics and International Relations, Oxford Brookes University

March 2010
‘A more than social science’, Challenges of Interdisciplinarity, INNOGEN, University of Edinburgh
‘Forms of Interdisciplinarity’, Challenges in Interdisciplinary Science, Royal Society, London

April 2010
‘Situation and Crisis’, Rethinking Capitalism, Bruce Center, University of California Santa Cruz

May 2010
Innovation in Governance and Knowledge Controversies’, Second Berlin Forum on Innovation in Governance, Berlin-Brandenburg Academy of Sciences and Humanities, Berlin
‘Situations and actor-networks’, Actor-Network Theory, School of Law, Birkbeck College, London

Peter J. Bowler

Peter Bowler has at last submitted the manuscript of his book about what might have happened if Darwin drowned on the voyage of the Beagle to the publisher (University of Chicago Press). As chair of the programme committee for the forthcoming International Congress of the History of Science (Manchester 2013) he is working with Frank James (chair of the national organizing committee) to assemble an international body of scholars to serve on the programme committee.
Publications

Articles in books
‘Rethinking Darwin’s Position in the History of Science,’ in M. A. Bell et al. (eds.) *Evolution Since Darwin: The First 150 Years* (Sinauer, 2010), 31-48

Reviews

Lectures, seminars and conferences

May 2011

September 2011
‘Galton’s Saltationism in its Historical Context’, *Francis Galton Centenary Conference*, Royal Statistical Society, London

Elma Brenner

In 2010–11 Elma Brenner lectured for and supervised Part II Paper 7, and supervised a Part II dissertation. She became an Associate Member of the Centre de recherches archéologiques et historiques anciennes et médiévales (CRAHAM) at the Université de Caen Basse-Normandie, France, and was awarded a Mellon Fellowship of $6000 CAD to study for the Diploma Programme in Manuscript Studies of the Pontifical Institute of Mediaeval Studies, University of Toronto, in Rome in June–July 2011. She acted as a reviewer for *Medieval Archaeology*, and continued work on her monograph, *Leprosy and Charity in Rouen, c.1100–c.1400* (provisionally accepted for publication in the Royal Historical Society’s series *Studies in History*). She is also co-editor of two books, *Memory, Commemoration and Medieval Europe* (Ashgate, manuscript currently under external review) and *Society and Culture in Medieval Rouen, 911–1300* (Brepols, manuscript in preparation).

Publications

Reviews
Report on the workshop ‘Charity and the city: medieval to early modern’, *Wellcome History* 46 (Spring 2011), 18–19

Lectures, seminars and conferences

November 2010
‘Leprosy, gender and status in medieval Rouen’, Centre for Medieval and Early Modern Research, University of Swansea

December 2010
‘Leprosy and the city: civic responses to leprosy in medieval London and Rouen’, Shoe Lane Library, London

March 2011
‘Leprosy and identity in medieval Rouen’, Departmental Seminar, Department of History and Philosophy of Science, University of Cambridge

April 2011
*Leprosy, Language and Identity in the Medieval World*, International Workshop, King’s College, Cambridge, funded by the Wellcome Trust and King’s College, Cambridge (co-organizer)

April 2011
‘Les léproseries féminines dans l’Angleterre et la Normandie au Moyen Âge: influences et contrastes’, Séminaire de recherche, CRAHAM, Université de Caen Basse-Normandie
September 2011
‘A perceived threat or a disease in decline? Leprosy and public health in late fourteenth- and fifteenth-century Rouen’, Society in an Age of Plague, Fifteenth Century Conference, University of East Anglia

September 2011
‘Looking beyond leprosy: attitudes towards the leprous in medieval Rouen, France’, European Association for the History of Medicine and Health Conference, Universiteit Utrecht

September 2011
Archives of the Body: Medieval to Early Modern, International Workshop, Hughes Hall, Cambridge (co-organizer)

Mirjam Brusius

Publications

Articles in journals
‘Impreciseness in Julia Margaret Cameron’s portrait photography’, History of Photography 34 (2010), 342-355
‘From photographic science to scientific photography. Photographic experiments at the British Museum around 1850’, Preprint 413 (2011), Max Planck Institute for the History of Science

Lectures, seminars and conferences

March 2011
‘“Map of Turkey, a flexible hat, pencils, and the Talbotype”: Travelling artists in mid-19th century archaeological expeditions to the Middle East’, Cabinet of Natural History, University of Cambridge

May 2011
Images of Middle Eastern archaeological expeditions in 19th century Europe’, 6th European Spring School in History of Science and Popularization, Maó (Menorca)

July 2011
‘Objects without status – pictures without purpose. The organisation and visualisation of Middle Eastern archaeological findings in 19th century Europe’, British Society for the History of Science Annual Conference, University of Exeter

August 2011
‘Image problems: Photographic (self-) representations of Persia by Nasser Al-Din Shah and European travelling artists in the mid 19th century’, Photography and Cinematography in Qajar Era Iran, University of St Andrews

Robert Bud

Robert Bud is Principal Curator of Medicine at the Science Museum. He has been awarded an AHRC research fellowship for the period October 2011-June 2012, to study Narratives of science and practice in mid-nineteenth century Britain: applied science, stories and story-telling. The grant is in formal association with the Department of History and Philosophy of Science.

Publications

Articles in journals

From Applied Microbiology to Biotechnology: Science, Medicine and Industrial Renewal’, Notes and Records of the Royal Society, 64 (2010), S17-S29

Article in magazines
‘Freudian slip Should a science museum hold an exhibition on psychoanalysis? Yes’ New Scientist 2 October 2010
Lectures, seminars and conferences

February 2011
‘How could a bad man be a good king? Konrad Bernhauer – an intentionally forgotten founder of biotechnology?’ 3 February 2011. The Royal Society

May 2011
‘The challenge of European collaboration’, ‘Collecting the Genome’ HPS, Cambridge
‘Antibiotics, animals and talk of resistance’, Medical Sciences Historical Society

June 2011
‘The strange and philosophic origins of applied science and of science applied to the arts’ Department of Science, Technology and Society, UCL
‘Stories about chemistry: illuminating folklore’ Renewing the heritage of chemistry in the 21st century, Paris

July 2011
Stories about science as folklore: Giving meaning to applied science in the 19th century, British Society for the History of Science annual meeting

September 2011
‘Constructing the public history of science’, Public History of Science and Technology, Columbia South Carolina, Plenary lecture
Stories about chemistry in the Industrial Revolution: pathways towards what kind of knowledge? Commission for the History of Modern Chemistry, Rostock

Tatjana Buklijas
Tatjana Buklijas is a research fellow at Liggins Institute, University of Auckland, New Zealand. Since returning from maternity leave at the end of 2010, she has also lectured in medical humanities at the Faculty of Medical and Health Sciences, University of Auckland as well as supervised several medical dissertations at the Medical University of Vienna and two PhD dissertations at the University of Dubrovnik, Croatia.

Publications

Articles in books
(with PD Gluckman, MA Hanson, AS Beedle and FM Low) ‘Epigenetics of human disease’ in B Halgrímsson and BK Hall, Epigenetics: linking genotype and phenotype in development and evolution (University of California Press, 2011), 398–423.

Lectures, seminars and conferences

October 2010
‘A history of embryo images’, Founder’s Lecture, Auckland Medical History Society

Soraya de Chadarevian
Soraya de Chadarevian is Professor in the Department of History and Center for Society and Genetics at the University of California Los Angeles. During the spring term of 2011 she was on leave in Paris on a Senior Research Fellowship from the Ville de Paris, hosted by the École des hautes études en sciences sociales.

Publications

Books
Articles in journals

In press

Articles in journals
de Chadarevian, S. ‘Scientists’ lives and the history of science’ (essay review), NTM

Articles in books

Lectures, seminars and conferences

Conference organized
Human heredity: biology, anthropology and public health, 1940s-1970s. June 20-21, Maison Suger, Paris
Lectures

October 2010

November 2010
de Chadarevian, S. Session chair, Objects of science, objects of culture: models of specimens in 19th-century natural history, HSS Annual Meeting, Montreal

December 2010
de Chadarevian, S. ‘The world as a laboratory: biologists and the bomb’, Committee on Conceptual and Historical Studies of Science, University of Chicago

January 2011
de Chadarevian, S. ‘Ribosomes’, Festkolloquium fuer Hans Joerg Rheinberger, Max Planck Institut for History of Science, Berlin

March 2011
de Chadarevian, S. ‘Epistemology and History’, Historical and Biological Times: A Festschrift for Hans-Joerg Rheinberger, Residencia de Estudiantes, Madrid

March 2011
de Chadarevian, S. ‘LA experimental’, at workshop, Designing the Technological Future: The Landscape of Science in Postwar Southern California, Huntington Library

May 2011
de Chadarevian, S. ‘Biologists and the bomb’, conférence doctorale at Institut d’histoire et de philosophie des sciences et techniques, Paris

June 2011
de Chadarevian, S. ‘Visualizing mutations: genetics in the atomic age’, conférence doctorale at Ecole pratique des hautes études, Paris
de Chadarevian, S. ‘The world as a laboratory: radioactive fallout and “unplanned” experiments’, conférence doctorale at Conservatoire national des arts et métiers, Paris

September 2011

Hasok Chang

I started my appointment in HPS on 1 September 2010, so this is my first input to the annual report.

In August 2011 I have made a collaborative agreement with the Cambridge Department of Chemistry, with the sponsorship of Dr Peter Wothers there, to be allowed access to laboratory facilities for the replication of historical experiments. This agreement will last for 5 years.

I have the following work involving the mass media: series Consultant for The Story of Electricity (3 episodes), BBC4, 2011; appearance on BBC television, Horizon: What Is One Degree? 10 January 2011.

In HPS I have started three new reading groups: Philosophy of Science Reading Group, organised jointly with Jonathan Birch; AD HOC (Association for the Discussion of the History of Chemistry), organised jointly with
Jennifer Rampling, coordinated with monthly meetings in London (at UCL), both series supported by funding from SHAC (Society for History of Alchemy and Chemistry); and from Easter Term 2011, Philosophy and History of Physics Reading Group, organised jointly with Jeremy Butterfield and Nazim Bouatta (and Simon Schaffer from summer 2011).

Publications

Articles in books

Articles in journals
‘Compositionism as a Dominant Way of Knowing in Modern Chemistry’, *History of Science* 49 (2011) [publication in September 2011]

Reviews

Lectures, seminars and conferences

**October 2010**
‘Success and Maturity: Re-Framing the Realism Debate’, Department of Philosophy, University of Missouri – St. Louis
‘So You Think Water Boils at 100°C/212°F? Learning Science from History’, University of Missouri – St. Louis
‘Reductionism and Scientific Disciplines’, *Battle of the Sciences*, Triple Helix Society, Cambridge
‘What Does It Mean To Be “Scientific”? Critique vs. Orthodoxy’, Institute of Cancer Research

**November 2010**
‘Acidity: The Persistence of the Everyday in the Scientific’, Biennial Conference of the Philosophy of Science Association, Montreal

**January 2011**
‘Active Scientific Realism’, Moral Sciences Club, Cambridge
‘Introduction to the Philosophy of Science’, *Theory and Methods: Literature, Science and Medicine, Event 4: Philosophy and Sociology of Science for Literature and History Students*, CHSTM, University of Manchester

**February 2011**
‘When Water Does Not Boil at the Boiling Point’, Stokes Society, Pembroke College, Cambridge

**May 2011**
‘A Case for Scientific Pluralism’, Science Studies Colloquium, University of California, San Diego

**June 2011**
‘Chemical Atomism: Progress through Pluralism’, 3rd Biennial Conference of the Society for Philosophy of Science in Practice, University of Exeter

**July 2011**
*The Nature of Scientific Evidence*, Vienna Summer International University (2 weeks), University of Vienna/Vienna Circle Institute
September 2011
‘Chemistry and the Limits of Human Knowledge’, Alumni Weekend, Clare Hall, Cambridge

Peter Collins

Based at the Royal Society, my research is focused on the postwar history of the Society. One aspect of this is detailed interviews with major figures within and beyond the Society able to give a perspective of it as an institution. I have so far completed over 50 agreed transcripts of such interviews, lasting typically 90 minutes (c 10 000 words) each, which I plan to put into the public domain in due course.

Publications

Articles in journals

Articles in journals Online
‘Presidential politics: the controversial election of 1945’, Notes and Records of the Royal Society 65 (published online 9 June 2011)

Lectures, seminars and conferences

November 2010
‘Presidential politics: how Henry Tizard did not become PRS in 1945’ Lecture at the Royal Society Centre for History of Science, 19 November

January 2011
‘The Royal Society and the communication of science’, Communicating Science and Technology France and the United Kingdom, Historical Perspectives, Maison Francaise, Oxford 14-15 January

February 2011
‘The pre-history of the Fellowship of Engineering’ Lecture to the Royal Academy of Engineering, 22 February

May 2011

September 2011
‘Hopkins and the Royal Society’ Hopkins symposium Department of Biochemistry, Cambridge 26 September

Rohan Deb Roy

Publications

Articles in books

Reviews
Review of Ka Che-Yip (ed), Disease, Colonialism and the State: Malaria in Modern East Asian History in Social History of Medicine, 24 (2011), 172-173.

Lectures, seminars and conferences

October 2010
January 2011
‘Imperial Power and Nonhuman actors’, Commodities and Affect, Centre for Advanced Studies in English Literature, Jadavpur University

June 2011
Participated as an invited discussant, Artefacts in Encounter Workshop, Caius and Gonville College, Cambridge

M.J. Dobson

Mary Dobson is currently writing a book on the history of medicine entitled The Story of Medicine – Humanity’s 3000-year Quest to Conquer Pain, Illness and Disability which will be published by Quercus in 2012 and will be a companion volume to her recent publication Disease - the Extraordinary Stories Behind History’s Deadliest Killers.

Publications

Books


Dr Patricia Fara

The British Society for the History of Science has awarded me the biennial Herbert Dingle prize for the best book taking history of science to general audiences. This year I have appeared on two radio programmes: I was interviewed for Woman’s Hour about Marie Curie, and participated in, In our Time on Women and science in the eighteenth century. I have been interviewed for several TV documentaries, and am acting as consultant on a National Geographic TV series as well as for several children’s books on science and its history. I was invited to a dinner hosted by David Cameron at 10 Downing Street to discuss the future of scientific research in Britain, and wrote an article for House, parliament’s internal magazine.

Publications

Books

Science: A Four Thousand Year History: published in Korean, Spanish and German translation

Articles in journals

‘Why Mark Erickson should read different histories of science’, History of the Human Sciences 23 (2010), 92-4
‘Versions of Vesalius,’ Endeavour 36 (2011), 5-6
‘Of moas and men: Richard Owen’s Dinosaur Dinner, Endeavour 34 (2010) 140-1

Reviews


Lectures, seminars and conferences

November 2010
‘Triangulations’: British Society for the History of Mathematics, annual lecture at Gresham College

January 2011
‘4000 years in 400 pages’, lecture at Dillington House, Somerset
February 2011
‘Ghosts of Women Past’, lecture at the Royal Society, London

March 2011
‘Trade-Offs’, Seminar series on writing popular histories of science, Barcelona and Valencia (two lectures)

June 2011
‘What is Science?’ Belief in Dialogue: Science, Culture and Modernity, British Council Conference, University of Sharjah, UAE
‘Faces of Genius’ Department of Civil Engineering, University of Bucharest

Karin Ekholm
I began my position as Research and Teaching Associate in History of Medicine in January 2011. In April 2011, I participated in a presentation at the Wellcome Collection outreach event, “Elements”.

Lectures, seminars and conferences

May 2010
‘Alchemical processes and metaphors in Highmore's theory of generation’, Alchemy and chemistry: continuities and fractures, Oxford Brookes University, Oxford

June 2010
‘Reader, stop! Look at the door before you examine the house’: Highmore's emblematic title page’, Images in Comparative Perspective: The Use and Interplay of Visual Forms in Astronomy and Allied Sciences, 1450-1650, Astronomical Diagrams Group Workshop, Cambridge

July 2010

September 2010
‘“First examine the face to read the man,” Highmore’s 1651 title page’, Archives of the body, Hughes Hall, Cambridge

Isla Fay
Isla joined the Department in March as Research Associate on the AHRC-funded project Diagrams, Figures and the Transformation of Astronomy, 1450-1650, having previously worked as a computer programmer. She is producing a research database for the project (which already contains 500 images from early-modern printed books) and co-organised a successful summer workshop on early modern scientific diagrams. With Nick Jardine, she is now editing the workshop’s proceedings together with those of last year’s workshop. She has also received a research award from the Scouloudi Foundation (Institute of Historical Research) towards forthcoming publications on urban sanitation, 1500-1600. She is working on a monograph on urban health culture as well as an edition of Norwich’s sixteenth-century River and Street Accounts for Norfolk Records Society.

Lectures, seminars and conferences

June 2011
‘Research database’, Images in Comparative Perspective: The Use and Interplay of Visual Forms in Astronomy and Allied Sciences, 1450-1650, Cambridge University Library
David Allan Feller

I am currently a junior research fellow at Darwin College, Cambridge, with research interests in natural history, primarily in the nineteenth and twentieth centuries; law and science; extra-visual sensory perception and scientific fieldwork; animals in science, especially animal husbandry and the epistemic consequences of enrolling animals in the scientific enterprise; and intersections of visual art and science.


Publications

Articles in books

Articles in journals


Reviews

Lectures, seminars and conferences

February 2004
‘Einstein in America’, presented at the Phi Alpha Theta Historical Conference, University of Hawaii, Honolulu, Hawaii

February 2005
‘Darwin as Primitivist: Dogs were best in show’, presented at the Phi Alpha Theta Historical Conference, University of Hawaii, Honolulu, Hawaii

May 2005
‘Heir of the Dog: Canine Influences in Charles Darwin’s Theories of Natural Selection’, presented at ‘Animals in History’, Conference of the German Historical Institute, Cologne, Germany

January 2006
‘Darwin and His Dogs’, Presentation to the American Museum of Natural History, New York, (In conjunction with AMNH Darwin Exhibition)

August 2008
July 2010
‘William Buckland’s oral history of deep time: things that made him go mmmmm’. Presented at the BSHS Annual Conference, Aberdeen

July 2011
‘Predatory Poetry and the development of nineteenth century natural sciences’. Presented at the BSHS Annual Conference, Exeter

John Forrester

Head of Department. On leave 2011. In Michaelmas 2010 continued to act as co-convenor, with Prof Mary Jacobus of the Faculty of English and Dr Andrew Webber, Department of German, of an interdisciplinary group, *Culture and History of Psychoanalysis*, sponsored by CRASSH, and its reading group. He continues to edit the journal *Psychoanalysis and History*. Participant in *Generation to Reproduction Reading Group*. HPS representative, Council of the School of Humanities and Social Sciences (M10).

Publications

**Articles in books**

**Articles in journals**

Lectures, seminars and conferences

October 2010
‘Foucault and Laqueur on masturbation’ Contribution to a Symposium on the work of Thomas Laqueur, CRASSH, Cambridge, 29th October

November 2010
Leader of discussion, *Brave New World* and early C20 reproductive fictions, *Wellcome Strategic Award Workshop, HPS, Cambridge, 2nd November*
‘Failing in and out of love with Philosophy’ Contribution to *Philosophy at Cambridge* Conference, 19-20th November, Hughes Hall, Cambridge
‘Psychoanalysis and Cambridge Scientists in the 1920s’ Psychoanalysis Seminar, St John’s College, Oxford, 29th November 2010

December 2010
‘Freud, English Psychoanalysis and Twentieth Century Culture’ Paper given to conference on *Freud and Twentieth Century Culture*, Centre for Latin American Studies, Princeton, 4th December 2010
‘Psychoanalysis and Cambridge Scientists in the 1920s’ Program in History of Science, Princeton University, 6th December 2010

March 2011
‘Introduction and Discussion’ at screening of *The Stepford Wives*, *Reproductive Dystopias* Series, Picturehouse Cinema, Cambridge, 14th March

April 2011
May 2011

“I could have worshiped the abased and mutilated remnant of the Temple”: A Jew in Rome’, Paper contributed to
Second Workshop on Freud’s Rome, Max Planck Institut für Wissenschaftsgeschichte, Berlin, 2nd May
Three Seminars on pre-circulated papers: John Forrester, ‘Freud in Cambridge: Work in Progress’, King’s College, Cambridge
‘Becoming Freudian in Cambridge after the Great War’; 10 May
‘Discipline Formation: Psychology, Anthropology, English’; 11 May
‘A Psychoanalytic Debate in 1925: Keynes, Wittgenstein, Tansley and others’, 12 May
‘Stoller between gender and pleasure in an era of revolutionary change’, Robert Stoller Memorial Lecture, New Center for Psychoanalysis, Los Angeles, 19th May
‘Imperialism, purification and the scientific subject: The epistemological choices of psychoanalysis’. Paper pre-circulated for discussion at Workshop, New Center for Psychoanalysis, Los Angeles, 21st May

June 2011

Round Table on ‘Translation in the Human Sciences’, Conference on ‘Reading against the Grain? National Historiographies in the Human Sciences seen from an outsider perspective’ University of Chicago–Paris Centre, Paris, 9-10 June
‘Why is transcendence a useless category for the history of psychoanalysis?’ New College Symposium: Transcendence, Idealism and Modernity, 16-17 June, New College, Oxford

Jeremy Gray

• Confirmed as a member of the French "Laboratories for excellence" evaluation process.
• Invited to join the editorial board of the Manifold Atlas, a web-based resource on the topology of manifolds, including their history, organised through the Hausdorff Institute for Mathematics, Bonn.
• Chair of the committee nominating the winner of the first Neugebauer Prize for the history of mathematics of the European Mathematical Society

Publications

Articles in books

Lectures, seminars and conferences

April 2011
Invited speaker: Paris-Diderot Philosophy of Math Seminar, Session on 19th Century Philosophy of Mathematics; I
Lectured on Poincaré and proof

Books submitted

A history of complex function theory (with Prof. U. Bottazzini, Milan) vol. 1 accepted for publication in HMath, the American and London Mathematical Societies’ series in the history of mathematics for publication in 2011, vol. 2 under review
A History of Mathematics (with June Barrow-Green and Robin Wilson) Volume 1 accepted for publication by the Mathematics Association of America, 2010 on submission of volume 2.

Vanessa Heggie

This year Vanessa has been working on a Wellcome Trust/Isaac Newton Trust sponsored project, researching the history of extreme physiology, scientific exploration, and experimentation in extraordinary environments. The first paper from this project, on Everest and respiratory physiology, will be published next year. She is currently drafting two monographs, one related to her extreme physiology research project, and another on athletes as experimental subjects in the long twentieth century.
Publications

Books

Articles in journals
‘Testing sex and gender in sports; reinventing, reimagining and reconstructing histories’ Endeavour 34 (2010), 157-163
‘Health Visiting and District Nursing in Victorian Manchester; divergent and convergent vocations’ Women’s History Review 20 (2011), 401-422
‘Sport (and Exercise) Medicine in Britain; healthy citizens and abnormal athletes’ Canadian Bulletin of Medical History 28 (2011).

Online

Lectures, seminars and conferences

November 2010
‘Respiratory Physiology and the Climbing of Mount Everest, Both In and Out of the Laboratory’ History of Science Society Annual Conference, Montreal, Canada

March 2011
‘Panel Session: the ‘spell’ of the Arctic’ 2011 Scott Polar History Colloquium, Scott Polar Research Institute, Cambridge

June 2011
‘Why isn’t exploration a science?’ Cabinet of Natural History (Garden Party), HPS, Cambridge

July 2011

Nick Hopwood

Nick Hopwood, a senior lecturer in the Department, served as Part IB manager and a Part II examiner and ran our Wellcome Trust strategic award in the history of medicine on the theme ‘Generation to Reproduction’. Among the outreach activities funded by this grant, he co-curated an exhibition on Books and Babies: Communicating Reproduction at the University Library (July–December 2011) and helped put on a series of six films on ‘Reproductive Dystopias’ at the Arts Picturehouse (March). He joined the Wellcome Digital Library programme board and advisory committee, and continued to sit on the Wellcome Trust Research Resources in Medical History funding committee. He also began stints as external examiner for undergraduate and master’s courses at the Manchester Centre for the History of Science, Technology and Medicine and as an advisory editor of Isis.

Publications

Articles in books

Articles in journals
‘Letter to the editor’ (in response to D Gasman), Isis 101 (2010), 838

Lectures, seminars and conferences

November 2009
‘Haeckel’s pictures of embryos: alleged forgeries as icons of evolution’, History Faculty, University of Oxford
January 2010
‘Making visible embryos’, Darwin Society, Christ’s College, Cambridge

February 2010
‘Icons of evolution and charges of fraud’, Cambridge University Biological Society and Trinity College Science Society

April 2010
(With M Johnson, J Forrester and F Neary) Organized Reproduction and the Sciences in Cambridge, Department of Physiology, Development and Neuroscience, University of Cambridge

May 2010
‘Copying pictures, making icons: from alleged forgeries to textbook illustrations’ (lecture), ‘3-D models: processes of representation and research’ (workshop) and comments on seven student papers, Visual Representations in Science, 6th European Spring School on History of Science and Popularization, Maó, Menorca

‘Pictures of embryos and charges of fraud’, keynote lecture, 23rd Nordic Medical History Congress, Oslo

June 2010
‘Preserved embryos’, public keynote lecture to open Wet Preparations: Anatomy, Pathology and the Body Contained, a workshop of the AHRC Cultures of Preservation research network, Hunterian Museum, Royal College of Surgeons

(With J Browne, C Groeben and H-J Rheinberger) Organized the week-long Twelfth Ischia Summer School on the History of the Life Sciences, Ischia, Italy, on the theme Biology and the Public: Participation and Exclusion from the Renaissance to the Present Day, with support from the Wellcome Trust, Max Planck Institute for the History of Science and Naples Zoological Station

‘Introduction to the theme’, Ischia Summer School on the History of the Life Sciences

Jiri Hudecek
I have been writing up my PhD dissertation this year. In addition, I have written the article ‘Ancient Chinese Mathematics in Action: Wu Wen-Tsun’s Ethnic Historicism after the Cultural Revolution’ for the special issue on science and nationalism of East Asian Science, Technology and Society (accepted, under revision), and reviews of the books O Lomová (ed.), Paths Towards Modernity: Conference to Mark the Centenary of Jaroslav Průšek, to appear in Studia Orientalia Slovaca, and R Hart, The Chinese Roots of Linear Algebra, to appear in Historia Mathematica.

Lectures, seminars and conferences

December 2010
‘Governing the Queen of the Sciences: the Party, the State and the Institute of Mathematics, Chinese Academy of Sciences, 1949-1966’, Science and State in East Asia, Needham Research Institute, Cambridge

March 2011

April 2011

May 2011

July 2011
‘The Construction of Traditional Chinese Mathematics: Wu Wen-Tsun and the Rest’, 13th International Conference on the History of Science in East Asia, Hefei, China (invited plenary talk)

Nick Jardine
Nick retired in September 2010, but has remained committed to lecturing, graduate supervision, graduate training,
examining and co-organisation of seminars, notably the Latin and Greek Therapy Groups, Cabinet of Natural History and Kant Reading Group. With Marina Frasca-Spada and Renée Raphael he continues to edit *Studies in History and Philosophy of Science* and *Studies in History and Philosophy of Biological and Biomedical Sciences*. He has kept up his work on critical editions of the works of Nicolaus Ursus for the BA and CNRS sponsored project ‘Conflict and Priority in Early-modern Astronomy’ (2003–). He most deeply regrets the recent death of Alain Segonds, co-director of this project. On a project sponsored by the University of Barcelona he is collaborating with Adam Mosley (University of Swansea) and Miguel Granada (University of Barcelona) on a critical edition, English and Spanish translations, commentaries and essays on Christoph Rothmann’s *Scriptum de cometa*. The AHRC project "Diagrams, Figures and the Transformation of Astronomy, 1450–1650" (with Sachiko Kusukawa, Isla Fay, Liba Taub, Isabelle Pantin, Renée Raphael, Chris Lewis, and Katie Taylor), has flourished, holding regular seminars, editorial meetings and translation sessions, as well as a second highly successful international workshop "Images in Comparative Perspective: The Use and Interplay of Visual Forms in Astronomy and Allied Sciences, 1450–1650". Nick has now actively re-engaged with his long-promised book *On Histories of the Sciences*. He is also devoting ever more time to the history, philosophy and sociology of fungi, and has been appointed Senior Treasurer of the Cambridge Mycological Society. Since January 2011 he has greatly enjoyed working as a consultant on the Cambridge Scientific Heritage Project (in association with John Forrester, Liba Taub, Lydia Wilson and others).

**Publications**

**Edited special issues**

**Edited collection**
*Recipes for Disaster*, Latin Therapy Group Booklet, Cambridge (ed. and intro. with J. Rampling and D. Banham)

**Article in collection**

**Journal articles**

**Essay review**

**Lectures, seminars and conferences**

*October 2010*
"K=K: Koestler's empathetic engagement with Kepler", Journée d'étude internationale sur les Somnambules d'Arthur Koestler, CNRS, L'Observatoire de Paris

*May 2010*
'Models for the circulation of scientific knowledge', School of Divinity, Philosophy and History, University of Aberdeen

**Richard C Jennings**

Richard Jennings directs the studies of and supervises about a quarter of the HPS IB students in philosophy of science. He runs workshops on Ethical Conduct and the Ethics of Scientific Practice for the Graduate programme at the Wellcome Trust Sanger Institute as well as for the final year and first year graduate students in the University of Cambridge Department of Physics. He continues to play an active role in the Ethics Expert Panel of the British Computer Society (BCS), which takes a proactive part in advising the BCS on issues of professional ethics. In the summer he teaches a course on Darwin as part of the Pembroke College International Programme.
Publications

Edited books
(with David Bennett) Successful Science Communication: Telling It Like It Is Cambridge University Press, September 2011

Articles in books
‘Science: truth and ethics’ in D Bennett and R Jennings (eds) Successful Science Communication: Telling It Like It Is (Cambridge University Press, September 2011), 45-59

Articles in journals

Online

Lectures, seminars and conferences

January 2011
“Ethics in/of Physics” two workshops on ethical issues that arise in the practice of physics, Cavendish Laboratory, Cambridge

February 2011
“Ethics in/of Physics” two workshops on ethical issues that arise in the uses of physics, Cavendish Laboratory, Cambridge
Scientists for Global Responsibility stall at “The Works” – Cambridge University’s alternative careers fair
“Communication outside the box” Symposium in the Science and Society section of the AAAS Annual Meeting in Washington DC

March 2011
“Science: Truth and Ethics” a Presentation on science communication to the Norwegian Science Festival key-coordinators during the University of Cambridge Science Festival

April 2011
“Key Science Policy Research Questions”, a workshop organized by the Cambridge Centre for Science and Policy, Robinson College and Møller Centre Cambridge

May 2011
Workshops on Ethical Conduction of Research, Wellcome Trust Sanger Institute

June 2011
Workshops on Ethical problems in the Use and Practice of Science, Wellcome Trust Sanger Institute

Stephen John

Publications

Articles in books


Articles in journals
(In press) “Why the prevention paradox is a paradox, and why we should solve it: a philosophical view” Preventive Medicine
“Expert testimony and epistemological free-riding: a case-study of the controversy over the MMR vaccine” *The Philosophical Quarterly* 61(244), July 2011, pp495-517


**Lectures, seminars and conferences**

**December 2010**

“Why not to socialise our social epistemology” Philosophy Workshop One Day Conference, University of Cambridge

**February 2011**

“Cancer screening and the ethics of apt categorisation” Public Health Ethics Young EU Scholars workshop, University of Hannover

**June 2011**

“Public Health policy and political philosophy: some maps” One day workshop on public health policy and political philosophy, University of Keele

“Is medical research more like building a house or more like hitting a nail?” Society for Philosophy of Science in Practice Conference, University of Exeter

**August 2011**

“Is medical research more like building a house or more like hitting a nail?” European Consortium for Political Research Annual Conference, University of Reykjavik

**Peter Jones**

The exhibition ‘Books and Babies’ opened at Cambridge University Library in July 2011, and working with the team preparing for this has absorbed a lot of time, but also proved very enjoyable and stimulating. I am working on several articles for the Generation to Reproduction project, and have prepared a bookblog article and vodcast. For the final year I have lectured on ‘Medicine and communications, 1375-1641’ for Paper 7 in HPS Part II, and supervised students taking this paper, which will be replaced by the new Paper 2 next year.

**Publications**

**Articles in books**

‘Image and Medicine’, and catalogue entries, in G. d’Andiran (ed.) *Early Medicine, from the Body to the Stars* (Schwabe Verlag, 2010), 50-56.


**Online**


(with Mary Fissell, Nick Hopwood, Francis Neary, Jim Secord) *Books and Babies:* www.lib.cam.ac.uk/exhibitions/Babies/ (2011)
Lectures, seminars and conferences

October 2010
‘Medical communication in the eighteenth century’, Medicine in Transition: Late Modern English medical writing in a historical perspective, Varieng, Helsinki

November 2010
‘Quintessence works one hundred times better’: Alchemy and the medical practitioners before Paracelsus’, Institute for Medieval & Early Modern Studies, Lampeter
‘Reproduction: of Books and Babies: An Exhibition at Cambridge University Library, July- December 2011’, Interdisciplinary Workshop on Reproduction 6, HPS
‘Medicine in images, images in medicine’, Medieval Medicine Discussion Group, HPS

March 2011
‘Physic for Princes in peril at the English Court, 1454-1554’, Children and their Bodies at Court, Queen Mary, University of London

Lauren Kassell

Lauren Kassell continued as Part II Manager and College Liaison Officer in HPS; as the HPS representative on the committee setting up the new triposes on the Human, Political and Social Sciences and the Psychological and Behavioural Sciences; and as Director of Studies in HPS and Tutorial Bursar at Pembroke College. She directs ‘The Casebooks Project: A Digital Edition of Simon Forman and Richard Napier’s Medical Records’, funded by a Wellcome Trust Programme Award (2010-13). She completed her term on the Wellcome Trust Medical History and Humanities Funding Committee. She’s an External Examiner for the MA in the Social History of Medicine at the University of Warwick and is on the Editorial Boards of Social History of Medicine and Renaissance Studies. She will be on leave 2011-13, funded by the Wellcome Trust Strategic Award on ‘Generation to Reproduction’ and Wellcome Trust Research Leave.

Publications

Articles in books
‘Ludicrum chiromanticum Praetorii; seu, thesaurus chiromantiae (1661)’, in Michael Sappol (ed.), Hidden Treasure: 175 Years of the National Library of Medicine (in press)
‘Sexual Science 1500-1750’, in Kate Fisher and Sarah Toulanan (eds), The Routledge History of the Body and Sex in the West since 1500 (forthcoming)

Articles in journals

Online
http://www.magicandmedicine.hps.cam.ac.uk/

Lectures, seminars and conferences

May 2011
Research Grant Workshop, Centre for Material Texts (Cambridge)
Panel on ‘Challenges facing the next generation’ with Richard Fisher (CUP) and Jane Withers (IHR), ‘Humanities Research: The Future Might be Digital’, CRASSH
Melanie Keene

This year Melanie continued her Junior Research Fellowship at Homerton College, Cambridge, and was elected to College Council. She lectured in HPS on ‘Evolution’ and ‘Science for All’ for part II paper 3, and in the Education Faculty on Froebel and Montessori. She helped organise the Science and Literature Reading Group, with Daniel Friesner and Liz Smith. She edited Viewpoint, the newsletter of the British Society for the History of Science, and helped judge their Dingle Prize; she also continued her work turning tables with their Outreach and Education Committee’s ‘Strolling Players’, and she organised a session on ‘How the Clothes Got Their Colour’ with the History of Science Section of the British Science Association.

Publications

Articles in journals
‘Once upon a time...’ New Scientist (25th December 2010-1st January 2011), 40-42.

Reviews
Peter Bowler, Science for All: Popular Science in Early Twentieth-Century Britain, Centaurus 42 (2010), 355-356.

Lectures, seminars and conferences

July 2011
‘Fiction and Facts in Fairyland’, Literature and Science Workshop, University of Aberdeen

May 2011
‘The Fairy-Tales of Science’, History of Childhood Seminar, University of Oxford
‘Familiar chemistry’, AD HOC, London
‘The Fairy-Tales of Science’, Cabinet of Natural History, HPS, University of Cambridge
‘Reconciling Fact and Fiction in the Study of Children’s Literature; or, Is Conversations on Chemistry canonical?’,
‘Scientific Canons’ conference, University of East Anglia

March 2011

February 2011
‘The Fairy-Tales of Science’, Children’s Literature Seminar, University of Cambridge

December 2010
‘On familiarity: how to learn about science in nineteenth-century Britain’, CRASSH work-in-progress seminar, University of Cambridge

October 2010
‘The Familiar Production of Scientific Knowledge’, ‘The Cultural Production of Natural Knowledge’ symposium, University of Warwick
Martin Kusch

Publications

**Articles in books**
'Social Epistemology' in S. Bernecker and D. Pritchard (eds.), *The Routledge Companion to Epistemology* (Routledge, 2010), 873-884


**Articles in journals**


**Lectures, seminars and conferences**

*October 2010*
'Hacking on Wittgenstein and Applied Mathematics--Critical Comments', *Hacking's The Descartes Lectures 2010*, University of Tilburg
'Hacking on Styles of Reasoning--A Critique', *Hacking's Descartes Lectures 2010*, University of Tilburg

*November 2010*
'Disagreement and Picture in Wittgenstein's "Lectures on Religious Belief"', Department of Philosophy, University of Dundee
'Disagreement and Picture in Wittgenstein's "Lectures on Religious Belief"', Department of Philosophy, University of Edinburgh

*February 2011*
'Disagreement and Picture in Wittgenstein's 'Lectures on Religious Belief''', University of Cork, Department of Philosophy
'Wittgenstein and Einstein', Dublin, Irish Philosophy Club

*March 2011*
'Hallucinations and Microscopes: Comments on Bas van Fraassen's Recent Work on Observability', *The Theory-Ladeness of Experience*, Düsseldorf, Heinrich Heine Universität

*April 2011*
'Wittgenstein's Relativism', UNED, Madrid, Department of Philosophy
'Metrology and On Certainty', *On Certainty: Scepticism, Relativism and Normativity*, University of Zaragoza

*May 2011*
'Microscopes and the Theory-Ladenness of Experience in Bas van Fraassen's Recent Work', Institut Wiener Kreis & Forum für Analytische Philoso-phie, Vienna
'Genealogie, Metrologie, Historische Epistemologie', *Symposium der Gesellschaft für Wissenschaftsgeschichte: Wissenschaftsgeschichte und Wissenschaftsphilosophie*, Vienna

*June 2011*
'Computational Science: Non-Human or Social Epistemology', *Knowing and Understanding Through Computer Simulations*, Paris

*July 2011*
'Naturalised Epistemology and the Genealogy of Knowledge', *Nature versus Normativity? Joining Historical and Contemporary Perspectives on Intentionality and Knowledge*, Humboldt University, Berlin
'Ways of Seeing in Benjamin and Historical Epistemology', *14th Congress of Logic, Methodology and Philosophy of Science*, Nancy
August 2011
'A Defence of Non-Reductionism in the Epistemology of Testimony', International Wittgenstein Symposium, Kirchberg

September 2011
'Wittgenstein on Disagreement', 2nd Berlin Conference on Meta-Epistemology, Tu Berlin

Sachiko Kusukawa

Publications
Articles in books
‘Vesalius, the book, and the bones’, in D H Westerhof (ed.) The Alchemy of Medicine and Print (Four Courts, 2010) 125-144

Articles in journals

Reviews

Lectures, seminars and conferences
June 2011
‘The pictorial practices of the early Royal Society’, New perspectives on visuality in the history of science, CNRS/Centre Koyré, Maison Française, Oxford.
‘The arts curriculum c. 1550: evidence from booklists and books’, History of the University, University of Cambridge

Gerald Kutcher

I was awarded a John Simon Guggenheim Fellowship, January 1, 2011 – December 31, 2011, to work on a book with the working title: High Expectations: A History of Cancer Therapies. The aim of this project is to discuss through a series of case studies the development of cancer therapies in the twentieth century. This history will emphasize the mutually reinforcing roles of technology, industry and government in the development of cancer treatments.

Lectures, seminars and conferences
March 2011
‘Cancer Therapy with Neutrons: A Case Study of Failure,’ Program in History of Science, Technology and Medicine, Manchester University
‘Neutron Therapy for Cancer: A Study of Failure,’ Clare Hall, University of Cambridge

David Leith

David Leith began a 3-year Wellcome Trust Postdoctoral Fellowship at the Faculty of Classics, Cambridge, and was appointed College Research Associate at Jesus. In Lent 2010, he co-lectured on Graeco-Roman medicine for Part II Paper 7. With Isabella Andorlini and Anastasia Maravela, he co-organized a conference on genre in ancient medicine at the University of Oslo.

Lectures, seminars and conferences
October 2010
‘Genre and Purpose in the Writings of Soranus of Ephesus’, The Texts of the Medical Profession in Antiquity: Genres and Purposes, University of Oslo
May 2011

August 2011
‘Pliny the Elder on Asclepiades of Bithynia’, Approaches to Ancient Medicine, University of Exeter

Geoffrey Lloyd

On 12 January 2011 Geoffrey Lloyd became the first Honorary Fellow of Tembusu College at the National University of Singapore.
On 29 June 2011 he received an Honorary D. Litt. from the University of Oxford

Publications

Book

Articles in books
‘The techniques of persuasion and the rhetoric of disorder (juan) in late Zhanguo and Western Han texts’, in M. Nylan and M. Loewe (eds.) China’s Early Empires (Cambridge University Press, 2010), 451-460

Articles in journals
‘Further Thoughts’, Interdisciplinary Science Reviews 35: 3-4 (2010) 404-405

Reviews

Lectures, seminars and conferences
January 2010
‘Humanity between Gods and Beasts? Ontologies in Question’, National University of Singapore
‘History in the Service of the Philosophy of Science’, Nanyang Technological University, Singapore
‘Humanity between Gods and Beasts? Ontologies in Question’, City University, Hong Kong

February 2010
‘From analogy to analogism’, Sorbonne, Paris

March 2010
‘The Scientificity of Ancient Medicine’, Corpus Medicorum Graecorum lecture at the Berlin Akademie der Wissenschaften
‘Aristotle on the Natural Sociability, Skills and Intelligence of Animals’, Humboldt University, Berlin

June 2010
‘Aristotle on the Natural Sociability, Skills and Intelligence of Animals’, Politeia conference in honour of Malcolm Schofield, Cambridge
Scott Mandelbrote

Scott Mandelbrote is a Fellow and Director of Studies in History at Peterhouse, where he is also Tutor for Undergraduate Admissions and Perne Librarian.

Publications

Books
Codrington’s Benefactions (Oxford: All Souls College, 2010)

Articles in books

Reviews

Lectures, seminars and conferences

October 2010

January 2011
‘Science and Religion in Comparative Perspective’, URKEW project seminar, London School of Economics

February 2011
‘The Authorized Version and the Pirates’, Friends of Cambridge University Library

March 2011
‘The King James Bible and the Emergence of Science’, Faraday Research Seminar, St. Edmund’s College, Cambridge

April 2011
‘Authorizing the King James Bible’, Cambridge University Anniversary Celebration for the King James Bible

May 2011
‘Printing and Publishing the King James Bible’, Friends of the John Rylands University Library, Manchester
‘What happened to the Four Senses of Scripture in Early Modern Britain’, Insular Christianities conference, Trinity College, Dublin

June 2011
‘Illustrations in Printed Bibles’, AMARC conference, Lambeth Palace Library

July 2011
‘Biblical Chronology in Seventeenth-Century Britain’, King James Bible Anniversary Conference, York University
‘The King James Bible and the History of Scholarship’, King James Bible: The Scholarly Context Conference, Oxford University
Anita McConnell

During the early part of 2011 Anita was employed by the Italian National Institute of Geophysics to gather information on the locations of artefacts and documentary records relating to the British seismologist, John Milne (1850-1913).

Publications

Articles in journals

‘Prince Albert and J.Y Buchanan: Mediterranean investigations’
Newsletter of the Commission of Oceanography, No. 22, January 2011

Reviews:

Lectures, Seminars and Conferences

June 2011
‘Jesse Ramsden, the man who thought that big was beautiful’. Society for the History of Astronomy, Cambridge

Simon Mitton

A monograph on the history of attempts to understand how structure arises in the universe is currently with Princeton University Press and it will be published in 2012. My current interests include a collection of scientific biography for Cambridge University Press, and a biography of the cosmologist Georges Lemaître. I edited for publication by Springer (Heidelberg) an autobiographic memoir of the cosmologist and geophysicist Thomas Gold FRS (Cornell University) who died in 2004. The eomoir required considerable editorial work in order to make it publishable.

Publications

Books
Fred Hoyle: A life in science (Cambridge, 2011)

Reviews
The End of Discovery: are we approaching the boundaries of the knowable? Times Higher Education 30 September 2010

Lectures, seminars and conferences

October 2010
Four outreach lectures on astronomy and the history of science. Queen Mary 2, Southampton – New York

November 2010
Origin of structure in the universe, (Science meets faith society, Wesley Church, Cambridge)

December 2009
Fred Hoyle: cosmology and controversy. Seminar, Cranfield University, Aerospace engineering.

July 2010
Five Books that changed our view of the Universe. Cambridge Series. Hay-on-Wye Literary Festival
James Moore

With global interest in Darwin temporarily on the wane, Jim contributed to the sage’s annual February birthday celebrations in Norway only, where he was interviewed for ‘Soft Science’ on Studentradioen i Bergen and by Bergens Tidende Magasinet and for the national science blogs, På Hayden (http://nyheter.uib.no/?modus=vis_nyhet&id=48277) and Forskning.no (http://www.forskning.no/artikler/2011/februar/279536). Other media contributions were pre-recorded interviews for the Letters and Politics show on KPFA-FM radio, Berkeley, in August and for a Darwin documentary on Japan’s NHK television in September.

Publications

Books

(with Adrian Desmond) *Darwin’s Sacred Cause: Race, Slavery and the Quest for Human Origins*, first published 2009

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<td>Chicago, University of Chicago Press</td>
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Articles in books


‘Evolution and Christianity’ in Daniel Patte (ed) *The Cambridge Dictionary of Christianity* (Cambridge University Press, 2010), 401

Articles in journals


‘Darwin and the “Sin” of Slavery’, *Ethical Record* (London), April 2011, 3-15

Lectures, seminars and conferences

October 2010

Personal tribute, memorial evening in honour of Professor Richard Keynes, CBE, FRS (14 August 1919 – 12 June 2010), Churchill College, Cambridge

January 2011

Colonial Science and Its Histories Workshop (sponsored by the Wellcome Trust, the Royal Historical Society and the Institute for Historical Research), Institute for Historical Research, University of London, February 2011

First Annual H. G. Wells Science and Society Lecture, Centre for the History of the Sciences and Centre for the History of Medicine, Ethics and Medical Humanities, School of History, University of Kent

Sunday Lecture, South Place Ethical Society, Conway Hall, London

Seminar, Darwindagen 2011, sponsored by Institutt for Biologi, University of Bergen

Public lecture, Darwindagen 2011, sponsored by Institutt for Biologi, University of Bergen

Lecture, Dorset Humanists’ Darwin Day, Moordown Community Centre, Bournemouth

April 2011

Reproduction and the Sciences in Cambridge workshop, sponsored by the Wellcome Trust and the Department of History and Philosophy of Science, University of Cambridge

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Joshua Nall

As part of the ongoing research for my PhD dissertation, I spent the first five months of 2011 in the United States of America on an Arts and Humanities Research Council Library of Congress Scholarship, as a Research Fellow at the John W. Kluge Center of the Library of Congress, Washington, D.C.

Publications

Reviews

Lectures, seminars and conferences

*May 2011*


*July 2011*

‘The read planet: Mars, New Journalism and Richard Proctor’s case for “science as a means of culture”’, British Society for the History of Science Annual Conference, University of Exeter

Alison Pearn


Lectures, seminars and conferences

*October 2010*

'Darwin's Women', Wesleyan University, Connecticut, sponsored by the 'Science in Society' and 'Feminist, Gender, and Sexuality Studies' programs

Multidisciplinary seminar at Wesleyan University, Connecticut, on using Darwin's correspondence in university teaching

*November 2010*

Presentation to members of the UK Society of Biologists, on the contribution of Darwin's correspondence to the understanding of his Darwin's scientific method (with Shelley Innes)

*January 2011*

'The Darwin Correspondence Project: from archive to classroom', Libraries@Cambridge conference, University of Cambridge February 2011
February 2011

April 2011
‘The Darwin Correspondence Project’, Digital HPS workshop, Caltech, Pasadena

Katy Price

I’m collaborating with the Science Museum, London on a co-curation project around their Oramics to Electronica exhibition. My involvement consists of running creative writing workshops on the theme of sound technology and listening.

Lectures, seminars and conferences

January 2011
‘Dreaming the Future: J.W. Dunne’s An Experiment with Time’. Twentieth-century think tank, HPS, Cambridge and STS, University College London

Ruth Prince

Publications

Books

Articles in books

Lectures, seminars and conferences

September 2010
‘Living with ART: an ethnographic study’, Centre of Disease Control and Kenya Medical Research Institute, Kisumu, Kenya
‘Biopolitics in East Africa’, University of Århus, Denmark

November 2010
‘Living on antiretroviral medicines in Kenya’, Rethinking Crises: Vulnerability, Community and State in Development Research, Norwegian Association for Development Research (NFU) Annual Conference

February 2011
‘The moral economy of HIV in an East African city’, London School of Tropical Medicine and Hygiene, Medical Anthropology seminar
‘Uncertainties around drug-resistant HIV in East Africa’, Beyond the Magic Bullet: Reframing the History of Antibiotics, University of Oslo (Institute for Health and Society, Section for Medical Anthropology and Medical History) & University of Manchester (Centre for the History of Science, Technology and Medicine)
Sadiah Qureshi

In September 2011, I will also be moving to take up a lectureship in modern history at the University of Birmingham. Meanwhile, my first book, which draws on my M. Phil. and Ph. D. work in the Department between 2000 and 2005, will also be published.

Publications

Books
Peoples on Parade: Exhibitions, Empire and Anthropology in Nineteenth-Century Britain (Chicago, IL, 2011)

Articles in books

Articles in journals

Lectures, seminars and conferences

October 2010
‘Model Peoples: Race, Empire and Anthropology in International Exhibitions, 1851–1886’, Colonial Science, Institute of Historical Research, London

June 2011
‘Displayed Peoples and the Natural History of Race at Sydenham, 1854–1866’, What is to become of the Crystal Palace? The Crystal Palace after 1851, University of York

Jennifer Rampling

Jenny lectured on Part II, Papers 2 and 7, was an examiner for Part IB, and supervised two ‘alchemical’ MPhil dissertations. She started a research fellowship at Clare Hall, and was Director of Studies in HPS for King’s College and a MA external examiner for the University of Amsterdam. She was appointed deputy editor of Ambix, and continued to serve on the Council of the Society for the History of Alchemy and Chemistry (SHAC) and to edit the SHAC newsletter, Chemical Intelligence. In spring 2011 she was a visiting fellow at the University of Athens, sponsored by the Hephaestus programme. In August she became a visitor at the Department of Chemistry, where (with Hasok Chang and Peter Wothers) she tried replicating some fifteenth-century alchemical experiments. She organised a panel on ‘The Chemistry of Early Modern Medicine’ at the 80th Anglo-American Conference, and convened the second SHAC annual workshop, ‘The Material Culture of Chemistry’, at HPS. With Lauren Kassell and Peter Jones, she organised the international conference ‘Alchemy and Medicine from Antiquity to the Enlightenment’, sponsored by CRASSH. With Hasok Chang, she coordinated AD HOC, a history of chemistry reading group, and a series on ‘Historiographical Functions of Experiment’ for the History and Theory reading group. She is consulting on an exhibition of alchemical images at the Science Museum, London, and co-curating a forthcoming exhibition of alchemical material at the Museum of the History of Science, Oxford. She took a degree course in Classical Greek.

Publications

Edited books
(with D Banham and N Jardine) Recipes for Disaster (Cambridge: Whipple Museum, 2010)
Edited journals


Articles in books


‘How not to do alchemy: George Ripley’s Philorcium’ in J Rampling et al (eds), Recipes for Disaster (Cambridge: Whipple Museum, 2010), 19–26


Articles in journals


Outreach


Lectures, seminars and conferences

October 2010


‘Dee and the alchemists’, The John Dee Society of Mortlake Autumn Meeting, Mortlake, London

‘Alchemy vs. chemistry’, AD HOC, HPS, Cambridge

November 2010


December 2010

‘Patronage, polemic and the place of English alchemy in early modern Europe’, Seminaire Histoire de la chimie aux XVII et XVIII siècles, Université de Lille 3

April 2011

‘Alchemy in Western Europe: historians and alchemists’, History, Philosophy and Didactics of Science and Technology seminar, University of Athens

‘Alchemy in Western Europe: images and practices’, History, Philosophy and Didactics of Science and Technology seminar, University of Athens

‘The Ripley Scrolls unrolled’, Getty Research Institute, Los Angeles

May 2011

(with H Chang) ‘Learning chemistry from books’, AD HOC, HPS, Cambridge

‘Alchemy, art, and the essence of heaven’, President’s Lodge, Clare Hall, Cambridge

‘When Hermes met Hippocrates: medical alchemy and chemical medicine in early modern England’, Alchemy and chemistry: continuities and fractures, Maison Francaise d’Oxford and Oxford Brookes University

June 2011

‘Impossible experiments’, History and Theory Reading Group, HPS, Cambridge

‘Astronomia inferior: depicting the medieval alchemical cosmos’, Images in comparative perspective: the use and interplay of visual forms in astronomy and allied sciences, 1450–1650, Cambridge University Library

‘Definitions: medical alchemy or chemical medicine?’, Health in History: 80th Anglo-American Conference, Institute of Historical Research, London
July 2011
‘Witnessing alchemical transmutation in early modern England’, BSHS Annual Conference, Exeter
‘Alchemy and nature in medieval Europe: from transmutation to the prolongation of life’, Man and Nature in the East and the West, University of Cambridge and University of Science and Technology of China (USTC), Huangshan, China

September 2011
‘The “vegetable stone” and alchemical patronage in Tudor England’, Alchemy and medicine from antiquity to the Enlightenment, CRASSH, Cambridge

Nicky Reeves

Nicky has begun a three year position as a Post-Doctoral Researcher on the AHRC-funded project The Board of Longitude 1714–1828: science, innovation and empire in the Georgian world, a collaboration between HPS and the National Maritime Museum.

Publications

Reviews

Lectures, seminars and conferences

October 2010

Eleanor Robson

This year was the fourth of five for the AHRC-funded research project The Geography of Knowledge in Assyria and Babylonia (with Marie-Françoise Besnier, Graham Cunningham and Greta Van Buylaere). A report on our work appeared in the November 2010 issue of the university’s Research Horizons magazine (‘Reading the world’s oldest libraries’, http://www.research-horizons.cam.ac.uk/features/-p-reading-the-world’s-oldest-libraries--p-1.aspx).

In July Greta Van Buylaere and I also began work on a new project, funded by the Leverhulme Trust until December 2012, called Assyrian-Babylonian Scholarly Literacies. Its aim is to develop computational, socio-linguistic methods for analysing spelling habits in cuneiform, not only to answer questions in our own research on scholarly history but also to provide an online tool for all Assyriologists to use (‘Assyrian and Babylonian scholarly literacy: identifying individual spelling habits’ in The Leverhulme Trust’s Newsletter, April 2011, PDF downloadable from http://www.leverhulme.ac.uk/news/newsletter.cfm).

Publications

Books

Edited books
(with K Radner) The Oxford Handbook of Cuneiform Culture (Oxford University Press, 2011)

Articles in books
Online
Additions and updates to The Geography of Knowledge in Assyria and Babylonia, 700–200 BC: oracc.org/gkab
(with S J Tinney, M-F Besnier, G Cunningham, and G Van Buylaere) additions and updates to The Corpus of
Ancient Mesopotamian Scholarship: oracc.org/cams/gkab
(with K Radner) additions and updates to Knowledge and Power in the Neo-Assyrian Empire: knp.prs.heacademy.ac.uk
(with S J Tinney and N Veldhuis) continued curation, development and documentation of The Open Richly
Annotated Cuneiform Corpus: oracc.org

Reviews
Review of A Attia and G Buisson (eds), Advances in Mesopotamian Medicine from Hammurabi to Hippocrates, in Medical History 55 (2011), 251–252
Review of D Charpin, Reading and Writing in Babylon and M Worthington, Complete Babylonian, in The Times Literary Supplement, 22 July 2011

Lectures, seminars and conferences
November 2010
‘Knowledge networks in Assyria and Babylonia: the circulation of scholars and their writings’, Faculty of Divinity
Old Testament Seminar, University of Cambridge

December 2010
‘Assyrian and Babylonian libraries: what were they for?’ Department of Classics, University of Reading

February 2011
‘Assyrian and Babylonian libraries: what were they for?’ Department of Archaeology, Birkbeck University of London

May 2011
‘Introducing Oracc.org: The Open Richly Annotated Cuneiform Corpus’, Digital Editions Workshop, CRASSH, University of Cambridge

July 2011
‘Scholarly literacies in first-millennium Assyria and Babylonia’, 57e Rencontre Assyriologique Internationale, Università “La Sapienza”, Rome

Leon Rocha
Leon Rocha was D. Kim Foundation for the History of Science and Technology in East Asia Postdoctoral Research Fellow at the Needham Research Institute, Cambridge and the Department of History and Philosophy of Science. He was appointed Director of Studies in History and Philosophy of Science at St John’s College. He co-lectured with Eleanor Robson and Patricia Fara on Science and Gender for Part II Paper 5, and supervised for the MPhil in Multidisciplinary Gender Studies in Cambridge. From October 2011 onwards he will be Junior Research Fellow at Emmanuel College. He is currently co-editing with Robbie Duschinsky a volume entitled Foucault, the Family, and Politics (under contract with Palgrave Macmillan).

Publications

Articles in books

Articles in journals
‘Xing: The discourse of sex and human nature in modern China’, Gender and History 22 (2010), 603-628
Reviews

Lectures, seminars and conferences
October 2010
‘Dao, sex, immortality: Joseph Needham on nei dan (internal alchemy)’, Death: A Symposium with Thomas W. Laqueur, Centre for Research in the Arts, Social Sciences and Humanities, University of Cambridge

November 2010
“‘The dark side of society”: Herbert Day Lamson and the establishment of social sciences in China’, Foucault, the Family, and Politics, Centre for Research in the Arts, Social Sciences and Humanities, University of Cambridge

March 2011
‘Preface to the Su nü jing from Ye Dehui’s Shuang mei jing an cong shu (1903)’, Text Reading Seminar, Needham Research Institute, Cambridge

April 2011

June 2011
‘Preface to the Classic of the Plain Girl (Su nü jing xu) from Ye Dehui’s Shadow of the Double Plum Tree Collection (Shuang mei jing an cong shu, 1903)’, Medical Texts in Translation, Wellcome Trust Centre for the History of Medicine at UCL

Colin A. Russell
Emeritus Professor in the History of Science and Technology, the Open University.

During the last year I have undergone major surgery, so have been much less active than usual in the first term of session. During the last 6 months I have been completing a book that is due to appear before the end of 2011, and will therefore be reported next year.

Publications
Two articles, on “Isotopes” and “The Merton Thesis”, for magazine Third Way, April 2011.

Lectures, seminars and conferences
December 2011

March 2011
Research Seminar, University College, London, on Frankland and experimental technique.

Christine F. Salazar
With April 2011, I have become a full-time employee of Newcastle University, as Research Associate of the Wellcome-funded ‘Towards a Galen in English’ project headed by Prof. P. J. van der Eijk (now at the Humboldt-Universität, Berlin), which will run until the end of 2013. My current task consists in translating Galen’s commentary on Hippocrates’ Prognostics, and I may also start translating his commentary on Epidemics I soon. At the same time I am still continuing work on the book that is to be the result of my own project (funded by the Oesterreichische Nationalbank), Early Byzantine Medicine – A Sourcebook. In addition, I am supervising three dissertations on Greco-Roman medicine at the Medizinische Universität Wien (Vienna).
Publications

Reviews

Lectures, seminars and conferences

November 2010

July 2011
Workshop for the ‘Towards a Galen in English’ project at the Humboldt-Universität, Berlin.

Anne Secord

Anne taught at the 12th Ischia Summer School, ‘Biology and the Public’, during the summer from 26 June to 3 July 2011, Villa Dohrn, Ishia (Stazione Zoologica Anton Dohrn).

Publications

Books

Lectures, seminars and conferences

April 2011
“Cool fruits and hotbeds: the unnatural cultivation of the eighteenth-century cucumber” Evening talk at the West Wickham and District Gardening Club

Jim Secord

During 2011 Jim is serving as Acting Head of Department while John Forrester is on leave. He also continues as Director of the Darwin Correspondence Project; funding secured during this year will ensure completion of the edition in 2022. Among other projects, he is one of the co-investigators on the Generation to Reproduction project funded by the Wellcome Trust. A highly successful five-year interdisciplinary initiative funded by the Leverhulme Trust, Past versus Present in Victorian Britain, was completed at the end of this academic year.

Lectures, seminars and conferences

October 2010

November 2010

January 2011
‘Darwin and Malthus’, Malthus Seminar, King’s College London

September 2011
‘Charles Lyell’s geological hammer’, The Tools of Science, Whipple Museum, Alumni Weekend, Cambridge
Richard Serjeantson

Richard Serjeantson is a Fellow, Tutor, and Director of Studies at Trinity College, Cambridge; a Newton Trust Lecturer in the History Faculty of the University of Cambridge; and an Affiliated Research Scholar of the Department of History and Philosophy of Science.

Publications

Articles in books


Lectures, seminars and conferences

November 2010
‘From Print to Manuscript’. Centre for Early Modern Studies, University of Sussex, 23 Nov. 2010

May 2011

July 2011

Simon Schaffer

In 2010-11 Simon Schaffer continued as a principal investigator on the AHRC project Board of Longitude. In January 2011 he became chair of the Board of History and Philosophy of Science and Director of Graduate Studies. He continued as a member of the Advisory Board of the Science Museum. He broadcast for BBC Radio 4 on the life and work of Edison (December 2010) and contributed to the BBC4 television documentary Electricity.

Publications

Books
Trabajos de Cristal: Ensayos de Historia de la Ciencia 1650-1900 (Marcial Pons, 2011)

Articles in books

Articles in journals
‘Opposition is True Friendship’, Interdisciplinary Science Reviews 35 (2010), 277-90

Lectures, seminars and conferences

October 2010

November 2010
‘Between Edinburgh and Egypt: how the Pyramids transformed Scottish astronomy’, National Museum of Scotland
‘The unfortunate chemist: tribulations of chemical philosophy in an age of revolution’, Royal Institution
December 2010
‘The foundation of the Cavendish Laboratory: patronage and protest in Victorian Cambridge’, Society for the History of the University, Cambridge
‘The Bombay case: colonial space and astronomical infrastructure’, London Group of Historical Geographers, Institute of Historical Research

January 2011
‘The poisoner’s regress: on orientalism and natural history’, Cabinet of Natural History

March 2011
‘Soap films and the attractions of classical physics’, Cambridge Philosophical Society
‘Actions at a distance: astronomical delegates and the troubles of long range science’, plenary lecture, Scientific instructions to travellers, Newnham College Cambridge

May 2011
‘History of science and the media’, Clare Hall Cambridge

June 2010
‘Chemistry in Cambridge’, Ad Hoc seminar, Cambridge
‘Joseph Banks between natural history and astronomy’, plenary lecture, Exploring Empire: Joseph Banks, India and the Great Pacific Ocean, National Maritime Museum

July 2010
‘Disciplines and disorientation’, The future university, CRASSH, Cambridge

September 2010
‘Easily cracked: scientific instruments in states of disrepair’ and ‘Natural history and the poisoner’s regress’, Universitat Autónoma de Barcelona

Liba Taub
Liba Taub is Director and Curator of the Whipple Museum, and Professor of History and Philosophy of Science. A Professorial Fellow of Newnham College, she is Director of Studies in HPS and Graduate Tutor. In November 2010 she delivered the Annual Invitation Lecture of the Scientific Instrument Society (London) on ‘Collecting Challenges for the Future’, after which she was presented with the Society’s Medal. In November, the Einstein Foundation awarded her a two-year Visiting Fellowship to support her work with the Excellence Cluster TOPOI: The Formation and Transformation of Space and Knowledge in Ancient Civilizations; she formally received the award from Prof. Dr. E. Jürgen Zöllner, Senator for Education, Science and Research at a ceremony in Berlin in June. Together with Aude Doody (UCD Dublin) and Sabine Föllinger (Bamberg), she organised the Workshop on Ancient Greek and Roman Scientific, Medical and Technical Writing held at TOPOI in Berlin in March 2011. In July, she was the Invited Speaker at the Tenth Biennial History of Astronomy Workshop (ND X) at the University of Notre Dame. She is co-investigator (with Nick Jardine and Sachiko Kusukawa) on the AHRC-funded research project Diagrams, Figures and the Transformation of Astronomy, 1450–1650 and joint Principal Investigator (with John Forrester) on the Isaac Newton Trust-funded Scientific Heritage Project. In March, she spoke about science and language with Lynne Truss on Calibrated Conundrums on BBC Radio4. Taub organised a symposium on Aristotle’s Scientific Methods held at TOPOI in Berlin in September 2011. She serves on the Wissenschaftliche Beirat of the Deutsches Museum (Munich) and the UK Spoliation Advisory Panel, as well as numerous University and College committees.

Publications

Articles in books

Articles in journals
Reviews

Lectures, seminars and conferences
November 2010

December 2010
‘On the forms and “genres” of Greek mathematical writing: Thinking about Mathematical Texts and Modes of Mathematical Discourse’, Department of History and Philosophy of Science, University of Leeds

February 2011
‘On the forms and “genres” of Greek mathematical writing: Thinking about Mathematical Texts and Modes of Mathematical Discourse’, Wissenschafthistorische Kolloquium, Goethe-Universität, Frankfurt

June 2011
‘On the forms and “genres” of Greek mathematical writing: Thinking about Mathematical Texts and Modes of Mathematical Discourse’, Philosophy of Science Series, Department of Philosophy, University of Vienna

July 2011
‘Three Astronomers Philosophise: Ptolemy, Kepler and Rees’, Invited Speaker, Public Lecture, Tenth Biennial History of Astronomy Workshop (NDX), University of Notre Dame, South Bend Indiana

‘Genres of Ancient Greek Astronomy’, Invited Speaker, Banquet Lecture, Tenth Biennial History of Astronomy Workshop (NDX), University of Notre Dame

Martin Underwood
Joseph Rotblat’s Archive at Churchill Archives Centre is already revealing many new insights that will lead to a re-evaluation of his life and achievements. However, due to problems at the CSA, material is arriving at Churchill at a far slower rate than had been anticipated. Only a small fraction of the total amount of Rotblat’s material has, as yet, been made available to Churchill Archives.

Publications
Articles in journals

Lectures, seminars and conferences
July 2011
‘Joseph Rotblat, the Chadwicks and the development of post war nuclear physics in the UK’, *British Society for The History of Science Conference, Exeter."

Rick Welch
Rick Welch is Dean of Arts and Sciences Emeritus, Professor of Biological Sciences, and Affiliate Professor of History at the University of Maryland, Baltimore County. He is a Visiting Fellow at Clare Hall and an Affiliated Research Scholar in the Department of History and Philosophy of Science at Cambridge. He is currently engaged in a research project, funded by the Wellcome Trust, dealing with the lexical aspects of the history of physiology.
Publications

**Articles in books**


**Articles in journals**

(with Sir John Meurig Thomas) ‘Professor John Waterlow: Physiologist celebrated for his achievements in the field of childhood malnutrition’, *The Independent* 29 November 2010 [Obituary]

Lectures, seminars and conferences

*July 2011*

‘The interactome: A historical perspective’, *Gordon Research Conference on ‘Cellular Systems Biology’*, Davidson College, North Carolina, USA [Rick Welch was also vice-chair of this international conference.]

Paul White

Activities this year include guest editing an issue of the online journal *19: Interdisciplinary Studies in the Long Nineteenth Century* on 'Science, literature and the Darwin legacy' with an emphasis on methodological approaches and reflections on the Darwin anniversary year (http://www.19.bbk.ac.uk). With colleagues on the Darwin Project, I have contributed to web resources on the theme of Darwin and Human Nature, and have organized a conference to be held at CRASSH in April 2012 on this theme.

Publications

**Articles in journals**


Lectures, seminars and conferences

*October 2010*

'The eye observed', *Eyetopia*, King's College London

*November 2010*

'The geological sublime', Department of History, Oxford

'Emotions in history', Birkbeck College

*April 2011*

'The evolution of the face', *Likeness and Facial Recognition*, UCL

*May 2011*

'The conduct of belief: agnosticism, the Metaphysical Society, and the Victorian 'crisis of faith' re-examined', *Evolutionary Naturalism in the Nineteenth Century*, York University, Toronto

*July 2011*

'Science and literature as a vocation', *Literary Studies and the History of Science: New Directions in 'Science and Literature'* , University of Aberdeen

*September 2011*

'Literature and science: state of the (non)field', University of Exeter

Lydia Wilson

This year Lydia Wilson began a post-doctoral position on the Department’s Scientific Heritage project, a role involving visits to so-far over 20 University Science Departments to create a comprehensive list of heritage
holdings and to interview scientists and technicians. It has also involved building an extensive international network of over 25 institutions working on similar projects to develop policies which encourage preservation of scientific material heritage. Initial results were presented at the Universeum meeting in Padua in May, a talk which will be published next year. The summer was spent collating and analysing data preparatory to publication next year.

Lydia defended her thesis, *Ancient to Medieval Structures of Knowledge: Situating Al-Farabi’s ‘Enumeration of the Sciences’*, in February and corrections are being worked on in parallel with work towards publications from the thesis.

Annual leave was spent on a research trip in Northern Iraq for CUNY/ARTIS (an international NGO dedicated to conflict resolution). Lydia interviewed Turkish Kurdish and Iraqi Kurdish communities in camps and cities throughout Kurdistan, including interviews with “terrorists”, politicians, journalists, housewives, teenagers and children. The fieldwork focussed on sacred and moral values in relation to notions of nationalism and political sovereignty. A paper based on the data collected will be published later in the year. Because of this work, she has recently been invited to be part of the core international data analysis team at ARTIS.

Publications

**Books**

*Edited books*

(With B Jardine) *Cambridge Literary Review* (vol. II, no. 4, Michaelmas 2010); co-editor; curating, editing, production and distribution

(With B Jardine) *Cambridge Literary Review* (vol. II, no. 5, Summer 2011); co-editor; curating, editing, production and distribution

*Reviews*

Review of Miss Tully, *Letters written during a ten years’ residence at the Court of Tripoli, 1783–1795* in the *Times Literary Supplement* (2011)


**Lectures, seminars and conferences**

*May 2011*

(With J Durant and A Harrington) Co-organised the *Collecting the Genome* workshop at History and Philosophy of Science, Cambridge

*May 2011*

‘Scientific heritage in Cambridge: an account of problems and solutions for the preservation of recent and contemporary science’, XII Universeum Network Meeting, Padua (to be published in the proceedings)

*September 2011*

‘Intangible histories and the invisible technician’, XI International Committee of ICOM for University Museums and Collections (UMAC) Annual Meeting

**Caitlin Donahue Wylie**

I supervised one eight-week course and one four-week course for third-year students, Sociology of Scientific Knowledge and Science Communication, and a year-long course for second-year students, History of Science. I served as the PhD Representative to the Monitoring Committee of the Department of History and Philosophy of Science. I organized and chaired a weekly seminar of invited speakers, the Cabinet of Natural History.

Publications

*Articles in journals*

‘Setting a standard for a ‘silent’ disease: defining osteoporosis in the 1980s and 1990s’, *Studies in History and Philosophy of Biological & Biomedical Sciences* 41 (2010), 376-385

(with M Varelas and JM Kane) ‘Young African American children’s representations of self, science, and school: making sense of difference’, *Science Education* 95 (2011), 824-851

**Online**


**Lectures, seminars and conferences**

**January 2011**

‘Professionalizing fossil preparators in the 20th century: how to investigate the history of an “invisible” career’, British Society for the History of Science Postgraduate Conference, University of Manchester

**March 2011**

‘Constructing fossils and fossil labs: a co-production of scientific specimens and societies’, Graduate Seminar, Centre for the History of Science, Technology and Medicine, University of Manchester

**July 2011**

‘From hammer and chisel to PaleoTools Microjack #1: a history of twentieth-century paleontological laboratory practice’, British Society for the History of Science Annual Meeting, University of Exeter

**John Young**

This year has been largely devoted to completing the transcription and text-encoding of Simon Forman’s astrological casebooks. This was finished in June 2011, Robert Ralley and I between us having transcribed, encoded and proofread a little over 10,000 handwritten entries in just over a year. I have also extensively revised and expanded the Casebooks Project’s Transcription and Tagging Guidelines and contributed to the development of other project documentation.

**Lectures, seminars and conferences**

**November 2010**

‘An Introduction to Isaac Newton’s alchemical manuscripts’, History of Science Reading Group 1 Nov. 2010 at King’s College Library, Cambridge
Seminar Programmes

Michaelmas Term 2010

Departmental Seminars

Seminars are held on **Thursdays from 4.30 to 6.00pm in Seminar Room 2**, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand from 4pm in Seminar Room 1.
Organised by Nicky Reeves.

21 October  **Chitra Ramalingam (Science Museum and CRASSH, Cambridge)**
How to see movement: visual experience in early nineteenth-century physics

28 October  **Miruna Achim (Universidad Autónoma Metropolitana, Mexico City)**
From rustics to savants: the uses of indigenous *materia medica* in colonial New Spain

4 November  **Rasmus Grønfeldt Winther (University of California, Santa Cruz, and University of Copenhagen)**
‘Wir sind alle Afrikaner’: abstraction and reification of ‘race’ in the age of genomics

11 November  **Ellie Kingma (King’s College London)**
Health and disease: beyond naturalism and normativism

18 November  **Donald Gillies (UCL)**
Lessons from the history and philosophy of science for research assessment systems

25 November  **Jennifer Rampling (HPS, Cambridge)**
Alchemy as ‘practical exegesis’ in early-modern England

Abstracts

21 October  **Chitra Ramalingam (Science Museum and CRASSH, Cambridge)**
How to see movement: visual experience in early nineteenth-century physics

It is well known that there was widespread interest in human vision, optical illusions and optical toys in the early nineteenth century. One optical phenomenon that attracted attention from European scientists, intellectuals and publics alike was ‘visual persistence’, which would eventually come to be understood as the basis for the illusion of motion perceived in cinema. The earliest systematic investigation of this illusion was carried out by two individuals most commonly associated with the history of physics: the London experimental philosophers Charles Wheatstone and Michael Faraday. In this paper I explore why this pair placed the study of human visual experience and its limitations at the centre of their experimental activities in acoustics and electricity in the 1820s and 1830s. A rigorous exploration of the operation of human vision, put to use in lecture performance techniques and exquisitely engineered optical instruments, could turn private ocular experiences of transient movements (like sound vibrations or electric sparks) into authoritative, publicly accessible visual facts about the lawlike regularity of nature. The early physics laboratory and lecture hall are found to be important sites where provocative theses about nineteenth-century ‘ways of seeing’ – such as that of the influential art historian Jonathan Crary – can be tested.
28 October    Miruna Achim (Universidad Autónoma Metropolitana, Mexico City)

From rustics to savants: the uses of indigenous materia medica in colonial New Spain

This talk explores the ways indigenous knowledge about plant and animal remedies was gathered, classified, ‘translated’, tested and circulated across wide networks of exchange for natural knowledge between Europe and the Americas. There has been much recent interest in the ‘bioprospecting’ of local natural resources – medical and otherwise – by Europeans in the early modern world. However, some opacity continues to surround the description of how knowledge travelled. While the strategies employed by European travellers, missionaries or naturalists have been well documented, there has been less written on the role played by indigenous and creole intermediaries in this process. And yet, the transmission of knowledge between indigenous communities and the European cabinet was neither transparent nor natural, and often involved epistemological, linguistic and religious obstacles. Drawing on a number of printed and manuscript sources, collections of indigenous remedies, written in places as diverse as Guatemala, the Yucatán, Chiapas and Mexico City, in the sixteenth through the eighteenth centuries, I am interested in exploring how local intermediaries, like creoles scholars, sought to overcome such obstacles by observing indigenous uses of remedies, by studying indigenous languages and by producing natural histories and pharmacopoeias in indigenous languages (Nahuatl and Maya Quiché, for instance). Ultimately, behind the creole participation in the transmission of indigenous remedies, one can point to more inclusive definitions of knowledge, which cut across oppositions between science and superstition, cabinet and field, centre and periphery.

4 November    Rasmus Grønfeldt Winther (University of California, Santa Cruz, and University of Copenhagen)

‘Wir sind alle Afrikaner’: abstraction and reification of ‘race’ in the age of genomics

Race is a notoriously contentious political, ideological, and sociological concept. By definition, a racial proper name (e.g. ‘African’, ‘Han Chinese’) is meant to refer to, and identify, a coherent human group (at various levels). But are there really such natural, biological groups, or are they solely cultural constructs? That is, are phenotypic ‘racial’ differences in hair texture, skin colour or various morphological characters (external traits) actually grounded in genetic or other biological differences (internal traits)? And if so, how broad are such basic, reductive biological differences? Do they also explain group-level differences in proneness to certain diseases or even IQ(!), that seem to robustly exist across human groups? Since biology clearly has ideological and social consequences, much is at stake in scientific attempts to assess the naturalness of ‘race’. In this talk, I critically examine the abstraction of human groups (and ‘races’) through the use of contemporary data-driven (e.g. SNPs, haplotypes and microsatellites) modelling strategies (e.g. STRUCTURE computer program, phylogenetic inferences). I employ my philosophical framework of the reification of scientific abstractions. I argue that the real yet partial population structure of humans across the globe, as well as the various empirically-adequate models of human evolution, do not justify a reification of the race concept. The concept does not have strong biological support, and I suggest that scientific honesty demands that we abandon it. (Even then, we could still search for genes and developmental processes underlying diseases, as well as try to reconstruct the evolutionary history of genetically diverse human groups.) Indeed, as indicated in an ongoing exhibition on human evolution at the Neues Museum in Berlin, we are all Africans.

11 November    Ellie Kingma (King’s College London)

Health and disease: beyond naturalism and normativism

What is health? What is disease? Thirty years of philosophical debate has failed to answer these questions. Instead the literature has revolved around one single question: are the concepts of health and disease value-free? Naturalists ardently argue in favour, whilst normativists equally vehemently oppose. Neither of these approaches has succeeded, however; naturalists fail to make good on their promise of providing a fully naturalistic account of disease – and even if they were able to provide this, the disease concept they discuss is a pure theoretical one, and not applicable to either practice, ethics or policy. Normativists, on the other hand, fail to unpack the claim that health and disease are value-laden, and offer analyses that beg the question with respect to applications in policy, ethics and practice. It is time for a different approach. Rather than debating value-free or value-laden definitions we should consider how the concepts of health and disease came to be what they are. In this process both values and biological descriptions play an interactive role. The creative synthesis of naturalism and normativism I thus offer moves beyond the traditional stalemate, and has profound implications for bioethicist.
Donald Gillies (UCL)
Lessons from the history and philosophy of science for research assessment systems

The thesis of this paper is that material from the history and philosophy of science is highly relevant to the question of the efficacy of research assessment systems such as the RAE or REF. Systems of this kind are based on peer review or metrics. However, the study of historical examples such as Frege, Semmelweis and Copernicus shows that both peer review and metrics have important defects and can lead to the rejection of innovative research. This phenomenon is explained using ideas of Kuhn and Lakatos. The conclusion drawn is that systems such as the RAE or REF are likely to make research output worse rather than better, and an alternative approach to research organisation is suggested.

Jennifer Rampling (HPS, Cambridge)
Alchemy as ‘practical exegesis’ in early-modern England

Alchemy had many goals, from the transmutation of metals to the creation of the ‘vegetable stone’: a powerful medicinal elixir capable of healing bodies, restoring youth, and prolonging life. In the late fifteenth century, English practitioners began to describe a mysterious substance, ‘sericon’, used in the manufacture of the vegetable stone. Yet the nature of sericon was not fixed. Both its identity and the alchemical practice it represented underwent radical reinterpretation between the fifteenth and seventeenth centuries, as the original process was eclipsed by new methods and materials, notably those popularised by George Starkey (1628–1665). The rise and fall of ‘sericonian’ alchemy provides a case study for examining one challenge facing modern scholars: the difficulty of isolating and charting changes in alchemical ideas, practices and nomenclature without succumbing to anachronism. I shall argue that early modern practitioners faced similar interpretative difficulties when decoding their authorities, which they tried to solve by refashioning their medieval sources in light of both textual exegesis and practical experience.

Research Topics and Resources Seminars

Seminars on research topics and resources in history and philosophy of the sciences and medicine, for all new graduate students, are held in the first two weeks of term, on Thursdays at 4pm in Seminar Room 2. Tea is available from 3.45pm in Seminar Room 1. All welcome.

Each seminar will consist of short informal talks presenting research methodologies and areas. The seminars are complemented by an online guide at www.hps.cam.ac.uk/research.

Organised by Tim Lewens and Eleanor Robson.

Matthew Lane: Research training offered by the School of Humanities and Social Sciences
Nick Whitfield: Archives
Jenny Bangham: Researching the history of twentieth-century biology
Billy Wheeler: Non-standard resources for philosophy of science

Twentieth Century Think Tank

The Think Tank offers broad coverage of 20th-century and contemporary topics in the history and philosophy of science. We alternate sessions between seminar talks presented by invited speakers and reading groups led by members of the Department. Copies of the texts for the reading group sessions can be found in the TCTT box in the Whipple Library.

Our slot alternates with the Twentieth-Century Biology Reading Group (see page 14), with meetings
**History of Medicine**

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1.** Tea and biscuits are available from 4.40pm. All welcome! Organised by Nick Hopwood and Lauren Kassell.

**12 October**  
**Sujit Sivasundaram (Faculty of History, Cambridge)**  
Diseased on an Indian Ocean island: medicine, statishness and colonialism

**19 October**  
**Hilary Powell (HPS, Cambridge)**  
The ‘miracle of childbirth’: the portrayal of parturient women in medieval miracle narratives

**26 October**  
**Tim McHugh (Oxford Brookes University)**  
Catholic activists, medical authority and the limiting of peasant choice in rural Brittany, 1650–1750

**9 November**  
**Nick Whitfield (HPS, Cambridge)**  
‘A cold-blooded business’? Making the modern blood donor in wartime London
From Generation to Reproduction

These seminars, on Tuesdays from 5.00 to 6.30pm in Seminar Room 1, are funded by our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). Tea and biscuits are available from 4.40pm. All welcome!

16 November Sarah Toulalan (University of Exeter)
Diagnosing child sexual abuse in early modern England

23 November Florence Vienne (Technical University, Braunschweig)
Spermatic animalcules and concepts of life around 1800

Cabinet of Natural History

Seminars are held on Mondays at 1pm in Seminar Room 1. You are welcome to bring your lunch with you. Organised by Caitlin Wylie.

11 October Carl Fisher (HPS, Cambridge)
Some aspects of early Darwinian commemoration

18 October Sophie Brockmann (HPS, Cambridge)
Maya ruins, volcanoes and the colonial state in 18th-century Central America

25 October Fungus Hunt

1 November Alexander Wragge-Morley (HPS, Cambridge)
Politeness and the ethical force of natural history

8 November Gowan Dawson (University of Leicester)
Victorian palaeontology and serial publication

15 November Francis Neary (HPS, Cambridge)
The human automatism debate in the late 19th century

22 November Hilary Powell (HPS, Cambridge)
The making of the medieval English therapeutic landscape

29 November Nils Guettler (Humboldt University and the Max Planck Institute for the History of Science, Berlin)
Mutable mobiles: the circulation of botanical maps between Humboldtian Germany and Victorian Britain

HPS History Workshop

The HPS History Workshop is a seminar group devoted to peer discussion of work in progress in all areas of the history of science, medicine and technology. All HPS postgraduate students with an interest in history are welcome to present draft MPhil essays, PhD chapters, conference papers, etc. The workshop encourages friendly and constructive feedback while providing a fortnightly point of contact for
postgraduate historians at HPS.

Sessions will be held on alternate **Wednesdays in Seminar Room 1, 1pm–2pm.**

Organised by Sophie Brockmann.

13 October **Alexander Wragge-Morley (HPS, Cambridge)**
Representational practices and the ethics of natural history, 1650–1720

27 October **Christian Strother (Faculty of History, Cambridge)**
From unhealthy lands to foyers of endemicity: malaria’s place in the medical geography of French West Africa, ca.1880–1920

10 November **Anne Katrine Kleberg Hansen (University of Copenhagen)**
Concepts and perceptions of body size within western medicine in the eighteenth and nineteenth centuries

24 November **Sophie Waring (HPS, Cambridge)**
The Board of Longitude and the amateur: an investigation into the public culture of science and expertise, 1780–1820

**Philosophy Workshop**

The HPS Philosophy Workshop is a fortnightly seminar devoted to the discussion of on-going work by researchers in philosophy. Papers are invited from all graduate students and post-docs: it is a great format for getting some constructive and informal feedback on an essay, PhD chapter or potential article. Papers are circulated by email one week in advance of each meeting – the author will then give a brief synopsis on the day followed by roughly 45 minutes of Q&A.

Meetings take place every other Wednesday from 1–2pm in Seminar Room 1. The meeting dates are as follows:

20 October
3 November
17 November
1 December

If you would like to present, or have any questions, please contact Sacha Golob.

**AD HOC**

AD HOC is a history of chemistry reading group based in Cambridge and London. While our main focus is historical, we also consider the philosophical, sociological, public and educational dimensions of chemistry. This term’s theme is ‘Between Alchemy and Chemistry’.

The group meets four times per term, on Wednesdays, 5pm–6.30pm in Seminar Room 1. Readings are available from the Whipple Library, and also circulated via our mailing list. A parallel series of meetings is held in London, and travel bursaries are available for students interested in attending both. For details visit our website, [www.hps.cam.ac.uk/adhoc](http://www.hps.cam.ac.uk/adhoc).

Organised by Hasok Chang and Jenny Rampling.

20 October
‘Alchemy vs. chemistry’
Introduced by **Jennifer Rampling (HPS, Cambridge)**
Readings:

27 October

‘Alchemy from the perspective of later chemistry’
Introduced by Hasok Chang (HPS, Cambridge)
Readings:
3. To be confirmed.

10 November

‘Alchemy’s place in the history of science and medicine’
Introduced by Rob Ralley (HPS, Cambridge)
Readings:

1 December

‘Newton’s alchemy’
Introduced by Peter Jones (King’s College, Cambridge) and John Young (HPS, Cambridge)
Hands-on session at King’s College Library, examining some of Isaac Newton’s alchemical manuscripts. Meet at 5pm in the Library Reading Room.
Background reading:

**Philosophy of Science Reading Group**

We will be reading from Stephen H. Kellert, Helen E. Longino and C. Kenneth Waters (eds.), *Scientific Pluralism* (University of Minnesota Press, 2006). Three copies of the book are on reserve in the Whipple Library. Meetings will involve a short presentation by a member of the group followed by a general discussion.

Meetings will take place on **Thursdays at 2pm in Seminar Room 1** and are open to all. Organised by Hasok Chang and Jonathan Birch.

7 October  Stephen H. Kellert, Helen E. Longino and C. Kenneth Waters, ‘The Pluralist Stance’
14 October  Alan W. Richardson, ‘The Many Unities of Science: Politics, Semantics, and Ontology’
21 October  Ronald N. Giere, ‘Perspectival Pluralism’
28 October  Michael Dickson, ‘Plurality and Complementarity in Quantum Dynamics’
4 November  Helen E. Longino, ‘Theoretical Pluralism and the Scientific Study of Behaviour’
Kant Reading Group

Metaphysical Foundations of Natural Science
Metaphysische Anfangsgründe der Naturwissenschaft

‘Nature taken in this sense of the word has two main parts, corresponding to the main line through our senses: one part contains the objects of the external senses. Any theory about that will be a doctrine of body, dealing with extended Nature. The other part contains the object of the internal sense. Any theory about it will be a doctrine of soul, dealing with thinking Nature.’ (Metaphysical Foundations, AA VI:467)

This term the Kant Reading Group will read the Metaphysical Foundations of Natural Science. Meetings are held in the HPS Lodge from 3.30–5.00pm on Tuesdays. They begin with a short presentation and are followed by general discussion. All are most welcome. We will fix our schedule of presenters in the first meeting, though please feel free to contact Katharina Kraus if you would like to sign up in advance for a particular slot, or if you have any questions.

12 October Introduction and Preface (AA VI:467 – VI:479)
19 October Phoronomy: Part I: AA VI:480 – VI:487
26 October Phoronomy: Part II: AA VI:487 – VI:495
2 November Dynamics: Part I: AA VI:496 – VI:503
9 November Dynamics: Part II: AA VI:503 – VI:508
16 November Dynamics: Part III: AA VI:508 – VI:515
23 November Dynamics: Part IV: AA VI:516 – VI:523
30 November Dynamics: Part V: AA VI:523 – VI:535

Science and Literature Reading Group

Meteorology and Climate Change

We meet on Mondays from 7.30 to 9pm in the Skillicorn and Bamford Rooms at Homerton College. Many of the selections we have chosen are available online. Copies of the harder-to-obtain items will be placed in our box file in the Whipple Library.

Organised by Daniel Friesner (Science Museum) and Melanie Keene (Homerton College). See our blog at http://sci-lit-reading-group.blogspot.com/ for news and updates; email Melanie to join our dedicated mailing list. All welcome!

18 October Extreme events
Daniel Defoe, The Storm (1704), especially Chapter III, ‘Of the Storm in General’, pp. 26–36 in the Penguin Classics edition. To find this chapter online, search for the phrase ‘before we come to examine the damage’ on Google Books.


15 November  Weather control (in the Skillicorn Room)

Eliza Leslie, ‘The Rain King; or, A Glance at the Next Century’. *Godey’s Lady’s Book*, Vol. 25, July 1842, pp. 7–11. To find this online, search for the phrase ‘so many new stars had been added’ on Google Books.


29 November  Cooling down and warming up (in the Skillicorn Room)


J. G. Ballard, ‘The Drowned World’. *Science Fiction Adventures*, #24 (Vol. 4, January 1962), pp. 2–56, especially pp. 2–25 and 55–56. (This is the original novella, which was afterwards expanded into a novel.)

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**History and Theory Reading Group**

The group will discuss articles (their own, and those of others) relating to problems of historical research, interpretation, explanation and narration. Articles will be placed well in advance in a History and Theory box in the Whipple. Suggested additional readings are listed at www.hps.cam.ac.uk/seminars/theory.html

We meet on **Fridays, 2.30pm to 4pm in Seminar Room 1**. Organised by Jenny Bangham and Katharina Kraus.

15 October  **Jesse Olszynko-Gryn (HPS, Cambridge)**

Laboratory histories: what does it mean to be ethnographic thirty years on?


29 October  **Rowan Boyson (King’s College, Cambridge)**

Description and sensuousness


12 November  
**Hasok Chang (HPS, Cambridge)**  
A new look at Whiggism  

26 November  
**Leon Rocha (HPS and Needham Research Institute, Cambridge)**  
Global histories of science  

**Evolution Reading Group**

This term the Evolution Reading Group will take as its theme ‘Observing Evolution’, in order to examine how the process (whose scale and duration places itself beyond the limits of direct human observation) was observed by those seeking evidence of natural selection’s role in the divergence and development of life’s ‘endless forms’. The readings for this term are taken from works of natural history written in the last decades of the 19th century. Each week will also feature a corresponding secondary source. Please find all readings in our box in the Whipple Library.

We meet on **alternate Thursdays at 1pm in Seminar Room 1**. For more information, please contact Katie Zimmerman.

14 October  

28 October  

11 November  
Selections from Fritz Müller, *Facts and Arguments for Darwin* (1869) and readings from the correspondence between Müller and Darwin via Darwin Correspondence Project.

25 November  

**Philosophy of Biology Reading Group**

The Philosophy of Biology Reading Group meets **weekly on Fridays from 2–3pm in the HPS Lodge Seminar Room**.

In Michaelmas Term we will be reading sections from the volume *Contemporary Debates in Philosophy*
of Biology (Wiley-Blackwell, 2009). The book is highly modular, composed of ten sections consisting of two short articles that address a certain philosophical question. We will be reading one section each week.

Everyone is welcome, and undergraduates and MPhil students are especially encouraged to join. No prior knowledge of philosophy of biology is required.

Organised by Joeri Witteveen.

8 October Part I: Is it possible to reduce biological explanations to explanations in Chemistry and/or Physics? [articles by Keller and Dupré]

15 October Part II: Have traits evolved to function the way they do because of past advantage? [articles by Perlman and Cummins]

22 October Part III: Are species real? [articles by Claridge and Mishler]

29 October Part V: Are microevolution and macroevolution governed by the same processes? [articles by Dietrich and Erwin]

5 November Part VI: Does evolutionary developmental biology offer a significant challenge to the neo-Darwinian paradigm? [articles by Laubichler and Minelli]

12 November Part VII: Were the basic components of the human mind solidified during the Pleistocene epoch? [articles by Starratt and Downes]

19 November Part VIII: Does memetics provide a useful way of understanding cultural evolution? [articles by Blackmore and Wimsatt]

26 November Part IX: Can the biological sciences act as a ground for ethics? [articles by Ruse and Ayala]

**Medieval Medicine Discussion Group**

This discussion group caters for all scholars with an interest in the field of medieval medicine. It is intended to be an informal gathering to discuss work in progress. All are welcome to attend and partake in our discussions.

Meetings will be held on alternate Mondays, 2.30–4pm in the Old Library section of the Whipple Library. Coffee and tea will be available. Organised by Hilary Powell.

25 October Conan Doyle (ASNC, Cambridge)
The vernacular fortunes of the Pseudo-Galenic Liber tertius in Anglo-Saxon England

22 November Peter Jones (King’s College, Cambridge)
Images in medicine, medicine in images

6 December William MacLehose (UCL)
Sleep and rationality in medieval medicine

**Twentieth Century Biology Reading Group**

The group will discuss papers relating to the history, philosophy and historiography of twentieth-century
biology. Articles will be placed well in advance in a box in the Whipple Library. Meetings are every other Tuesday from 1–2pm in Seminar Room 1, alternating with the Twentieth Century Think Tank. Organised by Jenny Bangham.

12 October  **Ruth Horry (HPS, Cambridge)**

Uses of medical history by the medical profession


26 October  **Salim Al-Gailani (HPS, Cambridge)**

Genetics and atomic science


Lindee, Susan (1994) *Suffering Made Real: American Science and the Survivors of Hiroshima* (Chicago University Press) (Selected chapters to be confirmed.)

9 November  **Dmitriy Myelnikov (HPS, Cambridge)**

Model organisms and medical genetics


23 November  **Jenny Bangham (HPS, Cambridge)**

Cell culture


**Generation to Reproduction Reading Group**

This group discusses pre-circulated papers, classics as well as our own work, in the area of our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk).
This term’s meetings will be at 5–7pm on Tuesdays 2 November and 30 November in Seminar Room 1. To join the group, please email generate@hermes.cam.ac.uk.

**Latin Therapy**

Latin Therapy will meet on **Fridays in the HPS Lodge from 4–5.30pm**. For this term, the first meeting will take place on 15 October and the last on 26 November, with a surprise fieldtrip on 3 December. All levels are welcome and beginners are strongly encouraged to come along. Each week we will cover some introductory grammar, followed by a text suggested by members. The pain of the ablative absolute will be salved with copious tea and biscuits!

More information can be found at our website: [www.hps.cam.ac.uk/latintherapy](http://www.hps.cam.ac.uk/latintherapy). To be added to the mailing list, or to suggest a text, please contact Susannah Gibson.
Lent Term 2011

Departmental Seminars

Seminars are held on **Thursdays from 4.30 to 6.00pm in Seminar Room 2**, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand from 4pm in Seminar Room 1.

Organised by Nicky Reeves.

20 January  **Sixth Cambridge Wellcome Lecture in the History of Medicine**  
Mary Fissell (Johns Hopkins University)  
Encountering *Aristotle’s Masterpiece*, or how to find a racy book about reproduction

27 January **Simone Turchetti (University of Manchester)**  
‘In God we trust, all others we monitor’: seismology and international affairs during the Cold War

3 February **Helen Beebee (University of Birmingham)**  
How to carve nature across the joints without abandoning Kripke-Putnam semantics

10 February **Jimena Canales (Harvard University)**  
A history of a tenth of a second

17 February **James Ladyman (University of Bristol)**  
How much pluralism?

24 February **Fiona Clark (Queen’s University Belfast)**  
Autoptēs: anti-veneréal trials and the deconstruction of credibility, Mexico City (1790–92)

3 March **Elma Brenner (HPS, Cambridge)**  
Leprosy and identity in medieval Rouen

10 March **Joel Isaac (Queen Mary, University of London/CRASSH, Cambridge)**  
Kuhn’s education: Wittgenstein, pedagogy, and the road to structure

Abstracts

20 January  **Sixth Cambridge Wellcome Lecture in the History of Medicine**  
Mary Fissell (Johns Hopkins University)  
Encountering *Aristotle’s Masterpiece*, or how to find a racy book about reproduction

*Aristotle’s Masterpiece* was the most popular English book about reproduction from its first publication in 1684 all the way into the 1930s. It is not by Aristotle, nor a masterpiece, but affords the historian an unusual glimpse into plebeian sexuality and reading habits. While much of the content is typical of a late 17th century midwifery guide, its extremely long life makes it unique.

The lecture explores the many physical spaces in which readers encountered and bought the *Masterpiece* in an attempt to understand its long-lived success. The book was hidden under teenage boys’ mattresses; thumbed through in book stalls; read aloud in girls’ boarding schools, and sold by chapmen bringing metropolitan wares to distant rural communities. These many venues provide a key to the book’s success: it was many things to many readers.

27 January **Simone Turchetti (University of Manchester)**  
‘In God we trust, all others we monitor’: seismology and international affairs during the Cold War
Although seismology is primarily concerned with the study of earthquakes, its expansion during the Cold War depended on using seismic instrumentation to monitor the advancement of nuclear weapons programmes. Several historians have looked extensively at these developments focussing especially on how they overlapped negotiations on nuclear testing. In this paper I seek to expand on this literature by analyzing the uses of seismology for intelligence-gathering purposes. I thus suggest that as information-seeking was the priority for some of the key actors involved in negotiating a test ban, the striking of an international moratorium was made conditional upon this urgency. In fact these intelligence activities represented a major obstacle to the signing of a Comprehensive Test Ban Treaty and deeply affected international relations during the Cold War period.

3 February  Helen Beebee (University of Birmingham)
How to carve nature across the joints without abandoning Kripke-Putnam semantics

Kripke-Putnam semantics (KP) for natural kind terms, according to which truths like ‘water is H₂O’ are metaphysically necessary but knowable only a posteriori, is often taken to have significant metaphysical consequences. In particular, it is often taken to justify ‘natural kind essentialism’. I argue that the metaphysical consequences of KP are in fact extremely weak; in particular, KP is consistent both with species pluralism (the view that there are several, equally ‘correct’ ways of classifying organisms) and with Kuhnian relativism.

10 February  Jimena Canales (Harvard University)
A history of a tenth of a second

In the late fifteenth century, clocks acquired minute hands. A century later, second hands appeared. But it wasn’t until the 1850s that a widespread need was felt for instruments that could recognize a tenth of a second. Once they did, the profound impact of these tiny moments was revealed as they related to broader conceptions about the nature of time, causality, and free will. Intimately connected to technologies that defined modernity (telegraphy, photography, cinematography), this talk locates the reverberations of this perceptual moment for science, philosophy and mass media. Once scientists associated the value with the speed of thought, they developed reaction time experiments with lasting implications for experimental psychology, physiology and optics. Astronomers and physicists struggled to control the profound consequences of results that were a tenth of a second off. And references to the interval were part of a general inquiry into time, consciousness, and sensory experience that involved rethinking the contributions of Descartes and Kant. This talk investigates how these moments defined modernity (and the place of fingers and eyes in it) by asking what it means to write the history of a radically different time period.

17 February  James Ladyman (University of Bristol)
How much pluralism?

Strong forms of scientific realism seem indefensible in the face of the history of science, and in particular the long list of theories that enjoyed great empirical success and yet whose central ontological and metaphysical commitments were abandoned by subsequent scientists. Pluralism is the thesis that there are alternative possible histories of science to our own in which quite different theoretical commitments were adopted at crucial stages. However, consideration of a few examples, including Newtonian gravitation, the ether and phlogiston, show that even in cases of radical theory change more than purely empirical structure is retained in subsequent science. Strong forms of antirealism are also indefensible in the light of a proper appreciation of the continuity in the history of science. The synthesis that resolves the dialectic is of course structural realism. The question as to how much pluralism is appropriate will be considered in the light of the cases discussed.

24 February  Fiona Clark (Queen’s University Belfast)
Autoptēs: anti-venereal trials and the deconstruction of credibility, Mexico City (1790–92)

In 1792, at the request of the Real Academia de Medicina de Madrid, Daniel O’Sullivan, Surgeon to the Spanish Infantry at Puebla de los Angeles, composed a 75-page report into the circumstances governing
Leprosy (Hansen’s disease) has been described as the disease of the Middle Ages, and my research examines the impact that it had on the society of Rouen, one of the leading cities of medieval Western Europe. This paper will approach leprosy and its sufferers through the concept of identity, from the twelfth to the sixteenth centuries. Firstly, it will consider how the identity of lepers themselves was affected by their affliction. The social identity of individual lepers prior to contracting the disease undoubtedly played an important part in shaping their fate, since those who had financial backing entered monastic leper hospitals, while poorer lepers were left to beg. However, the language used to describe lepers suggested that their social status was transformed by the disease. Lepers were labelled as ‘leprosus’, ‘infirmus’, ‘pauper Christi’, ‘ladre’, ‘mesel’ and, for those lepers who begged, ‘leprosus infirmus’, ‘leprosus extraneus’ or ‘lépreux forain’. In addition, lepers’ physical appearance, particularly their facial features, degenerated as a result of their disease. Since a person’s facial appearance is understood to reflect their individual personality, what impact did this have on the perception of lepers by others? Was their physical decay understood to reflect the sinfulness of their souls? The second part of the paper will examine the identity of the disease. Clerics and, in the later Middle Ages, physicians and surgeons, were called upon to diagnose suspected cases of leprosy. Sometimes cases were misdiagnosed, but recent archaeological work at a leper hospital cemetery near Rouen has revealed that the vast majority of residents indeed suffered from Hansen’s disease. The cemetery also contains skeletons exhibiting signs of other conditions such as polio. The paper will consider whether leprosy was linked to other illnesses that resulted in disability and physical degeneration, and the extent to which it was viewed by contemporaries as the disease afflicting their society.

3 March Elma Brenner (HPS, Cambridge)

Leprosy and identity in medieval Rouen

10 March Joel Isaac (Queen Mary, University of London/CRASSH, Cambridge)

Kuhn’s education: Wittgenstein, pedagogy, and the road to structure

The theoretical edifice of The Structure of Scientific Revolutions rests on a very particular – and peculiar – account of what is involved in learning a theory by example. Normal science, anomaly, crisis, revolution, even the paradigm itself – each of these mechanisms driving scientific development can operate in the way that Kuhn suggests only insofar as theories and their applications are learned, not as sets of explicit rules or operational algorithms, but instead from a concrete and finite range of model puzzle solutions enshrined in textbooks and laboratory or classroom demonstrations. What is peculiar about this account of the learning of scientific theory through practical modes of instruction is that, despite the recent flourishing of historical studies in science pedagogy – many of which take Kuhn as their lodestone – few of Structure’s innumerable exegetes have noted how philosophically undermotivated and historiographically unsubstantiated the treatment of this topic is in Kuhn’s book. We see this most clearly in the chapter that presents the nerve of Kuhn’s argument about how normal science can function without collective agreement on rules; Chapter V – The Priority of Paradigms. Drawing on Kuhn’s unpublished papers, I show that the all-important Chapter V – and Kuhn’s repudiation of rules in favour of paradigms – were very late additions to Structure. This apparently minor revision in the drafting process is illuminating in several respects. Kuhn’s enthusiastic endorsement of Wittgenstein’s discussion of an agent’s learning of words through exposure to finite sets of applications (with the implication that a family resemblance or overlap between speakers’ model examples of the application of a term would be enough to secure common meaning in the absence of
rules) reflected the growing influence of the *Philosophical Investigations* on American philosophy and
the human sciences in the 1960s. Importantly, however, Kuhn’s appeal to Wittgenstein was at variance
with the sceptical surmises that colleagues such as Stanley Cavell took from the *Investigations*. Even
more significant was Kuhn’s near total neglect of the historical study of the textbooks and pedagogical
regimes that underpinned both normal and revolutionary science. Here I argue that Kuhn’s elaborate
appeal to the idea of learning by example – in the absence of any systematic historical study of science
pedagogy – can be explained by his acculturation in case-based pedagogy and the theory of general
education at Harvard University during the late 1940s and early 1950s. Thus the hastily patched together
remarks on Wittgenstein and training regimes in *Structure*’s Chapter V are, so I will claim, the shadow
cast by Kuhn’s formative engagement with the case method at Harvard University.

**History of Medicine**

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**. Tea and biscuits are available
from 4.40pm. All welcome! Organised by Nick Hopwood, Lauren Kassell and Francis Neary.

25 January  **Peregrine Horden (Royal Holloway, University of London)**
Spaces of healing: Byzantium and medieval Islam compared

8 February  **Richard McKay (University of Oxford)**
’Patient zero’ and the early years of the North American AIDS epidemic

22 February  **Valentina Pugliano (University of Oxford)**
Mortars, exotic drugs, and a battle for expertise: Verona 1561–1566

8 March  **Kate O’Riordan (University of Sussex)**
Cloning and film: fictional vectors of factual imaginaries
(This seminar links to the series of six films on reproduction that begins at the Arts
Picturehouse, Cambridge, on 7 March.)

**Cabinet of Natural History**

This research seminar is concerned with all aspects of the history of natural history and the field and
environmental sciences. The regular programme of papers and discussions takes place over lunch on
Mondays. In addition, the Cabinet organises a beginning-of-year fungus hunt and occasional expeditions
to sites of historical and natural historical interest, and holds an end-of-year garden party.

Seminars are held on **Mondays at 1pm in Seminar Room 1**. You are welcome to bring your lunch with you.

Organised by Caitlin Wylie.

24 January  **Valentina Pugliano (University of Oxford)**
The hungry cats of Pietro Antonio Michiel, or the fragile nature of Renaissance collecting

31 January  **Simon Schaffer (HPS, Cambridge)**
The poisoner’s regress: on orientalism and natural history

7 February  **Clare Roche (Birkbeck, University of London)**
Mountainous effects: Alpine space and Victorian lady climbers

14 February  **Ruth Prince (Cambridge Centre of African Studies)**
Healthcare and welfare in contemporary Kenya
21 February  Shana Worthen (University of Arkansas at Fort Worth)  
The subjectivity of early modern knowledge in the Garden of Life  

28 February  Susannah Gibson (HPS, Cambridge)  
Newtonian vegetables and perceptive plants  

7 March  Mirjam Brusius (HPS, Cambridge)  
‘Map of Turkey, a flexible hat, pencils, and the Talbotype’: travelling artists in mid-19th century archaeological expeditions to the Middle East  

14 March  Ruth Horry (HPS, Cambridge)  
Using Babylonian gods to sell cod liver oil: Henry Wellcome and medical interest in Assyriology around 1900  

**Twentieth Century Think Tank**  
The Think Tank offers broad coverage of 20th-century and contemporary topics in the history and philosophy of science. We alternate sessions between seminar talks presented by invited speakers and reading groups led by members of the Department. Copies of the texts for the reading group sessions can be found in the TCTT box in the Whipple Library.  

Our slot alternates with the Twentieth-Century Biology Reading Group (see page 12), with **meetings every other Tuesday, 1–2pm in Seminar Room 1**. Everyone is welcome, and feel free to bring lunch!  

For more information email hps-think-tank@lists.cam.ac.uk  

**25 January Seminar**:  
Katy Price (Anglia Ruskin University)  
Dreaming the future: J.W. Dunne’s *An Experiment with Time*  

**8 February Reading group**:  
Kathryn Schoefert (HPS, Cambridge)  
In a particular setting  
Readings:  

**22 February Seminar**:  
Claire Blencowe (Newcastle University)  
‘Biosociality’ to feminist-eugenics: rethinking contingency and racism in 20th-century sociological science  

**8 March Reading group**:  
Jesse Olszynko-Gryn (HPS, Cambridge)  
Historians and the patient-consumer  
Readings:  
1. Flurin Condrau, ‘The Patient’s View Meets the Clinical Gaze’,

**Generation to Reproduction Seminars**

These seminars, on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**, are funded by our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). Tea and biscuits are available from 4.40pm. All welcome!

1 February  **Sandrine Bertaux (Marmara University, Istanbul)**
Race and population: fertility theories and the status of demography, 1920s–1960s

1 March  **Mary Fissell (Johns Hopkins University)**
Sarah Stone, William Cadogan and Enlightenment motherhood

**Philosophy Workshop**

The HPS Philosophy Workshop is a fortnightly seminar devoted to the discussion of on-going work by researchers in philosophy. Papers are invited from all graduate students and post-docs: it is a great format for getting some constructive and informal feedback on an essay, PhD chapter or potential article. Papers are circulated by email one week in advance of each meeting – the author will then give a brief synopsis on the day followed by roughly 45 minutes of Q&A.

Meetings take place **every other Wednesday from 1–2pm in Seminar Room 1**. The meeting dates are as follows:

2 February
16 February
2 March
16 March

If you would like to present, or have any questions, please contact Emily McTernan.

**HPS History Workshop**

The HPS History Workshop is a seminar group devoted to peer discussion of work in progress in all areas of the history of science, medicine and technology. All HPS postgraduate students with an interest in history are welcome to present draft MPhil essays, PhD chapters, conference papers, etc. The workshop encourages friendly and constructive feedback while providing a fortnightly point of contact for postgraduate historians at HPS.

Sessions will be held on alternate **Wednesdays in Seminar Room 1, 1pm–2pm**.

Organised by Alexandra Bacopoulos-Viau.

26 January  **Jesse Olsynko-Gryn (HPS, Cambridge)**
Pregnancy testing and the 1930s controversy over the hormonal placenta

9 February  **Jacob Orrje (Uppsala University/HPS, Cambridge)**
To graze and virtue: Anders Gabriel Duhre as a virtuous maker of useful knowledge in early 18th-century Sweden

23 February  **Thibaud Trochu (University of Paris-I Sorbonne)**
How the Harvard archives reveal that William James was a highly skilled hypnotist
9 March  Raf De Bont (KU Leuven/Imperial College London)  
‘Lies and frivolity’: manners in scientific dispute in 19th-century Britain and Germany

AD HOC

AD HOC is a history of chemistry reading group based in Cambridge and London. While our main focus is historical, we also consider the philosophical, sociological, public and educational dimensions of chemistry. This term’s theme is ‘Building Blocks of Chemistry’.

The group meets four times per term, on Wednesdays, 5pm–6.30pm in Seminar Room 1. Readings are available from the Whipple Library, and also circulated via our mailing list. A parallel series of meetings is held in London. For details visit our website, www.hps.cam.ac.uk/adhoc.

Organised by Hasok Chang and Jenny Rampling.

19 January  ‘Structures’
  Introduced by Cristina Chimisso (Open University)
  Draft of ch. 4 (‘Le matérialisme composé’) of Gaston Bachelard, Le matérialisme rationnel (1953), trans. Nick Jardine and Jenny Bangham

2 February  ‘Atoms’

16 February  ‘Molecules’
  Introduced by Hasok Chang (HPS, Cambridge)

9 March  ‘Principles’
  Introduced by Jo Hedesan (University of Exeter)

Philosophy of Science Reading Group

We will be reading Science, Policy, and the Value-Free Ideal by Heather E. Douglas (University of Pittsburgh Press, 2009). Meetings will involve a short presentation by a member of the group followed by a general discussion.

Meetings will take place on Thursdays at 2pm in Seminar Room 1 and are open to all. Organised by Hasok Chang and Jonathan Birch.

20 January  Chapter 1, ‘Introduction: Science Wars and Policy Wars’
27 January  Chapter 2, ‘The Rise of the Scientific Advisor’
3 February  Chapter 3, ‘Origins of the Value-Free Ideal for Science’
10 February  Chapter 4, ‘The Moral Responsibilities of Scientists’
17 February  Chapter 5, ‘The Structure of Values in Science’
24 February  Chapter 6, ‘Objectivity in Science’
  3 March  Chapter 7, ‘The Integrity of Science in the Policy Process’
10 March  Chapter 8, ‘Values and Practices’
Philosophy of Biology Reading Group

We will be reading Kim Sterelny’s *Thought in a Hostile World: The Evolution of Human Cognition* (Blackwell, 2003), winner of the 2004 Lakatos Award.

Meetings will take place on **Fridays at 2pm in the Lodge Seminar Room** and are open to all. Organised by Joeri Witteveen and Jonathan Birch.

- 21 January Chapter 1, ‘Evolutionary Naturalism’, and Chapter 2, ‘Detection Systems’
- 28 January Chapter 3, ‘Fuels for Success’, and Chapter 4, ‘Fuels for Success: The Social Intelligence Hypothesis’
- 4 February Chapter 5, ‘The Descent of Preference’
- 11 February Chapter 6, ‘Reconstructing Hominid Evolution’
- 18 February Chapter 7, ‘The Cooperation Explosion’
- 25 February Chapter 8, ‘The Self-made Species’, and Chapter 9, ‘Heterogeneous Environments and Variable Response’
- 4 March Chapter 10, ‘The Massive Modularity Hypothesis’
- 11 March Chapter 11, ‘Interpreting Other Agents’

Twentieth-Century Biology Reading Group

The group will discuss papers relating to the history, philosophy and historiography of twentieth-century biology. Articles will be placed well in advance in a box in the Whipple Library. Meetings are **every other Tuesday from 1–2pm in Seminar Room 1**, alternating with the Twentieth Century Think Tank. Organised by Dmitriy Myelnikov.

- 1 February Styles of thought in genetics

- 15 February Communicating biology and medicine

- 1 March Genetics and making maps
15 March  Medicine and the laboratory
Papers from the special issue of Social History of Medicine (forthcoming); details TBC.

Science and Literature Reading Group

**Dialogues**
We meet on **Mondays from 7.30 to 9pm in the Skillicorn Room at Homerton College**. Readings are available online: follow the links at www.hps.cam.ac.uk/seminars.

Organised by Daniel Friesner (Science Museum), Melanie Keene (Homerton College) and Liz Smith (Darwin Correspondence Project). For more information, or to join our email list, please contact Daniel Friesner. All welcome!

- 31 January  Plato, *Meno* (c. 380 BC)
- 14 February  Galileo Galilei, *Dialogue Concerning the Two Chief World Systems* (1632) (Second Day)
- 28 February  Denis Diderot, *The Dream of D’Alembert* (1769)
- 14 March  Gerard Manley Hopkins, ‘On the Origin of Beauty’ (1865)
  Oscar Wilde, ‘The Decay of Lying’ (1889)

History and Theory Reading Group

The group will discuss articles (their own, and those of others) relating to problems of historical research, interpretation, explanation and narration. Articles will be placed well in advance in a History and Theory box in the Whipple Library. Suggested additional readings are listed at www.hps.cam.ac.uk/seminars/theory.html

We meet on **Fridays, 2.30pm to 4pm in Seminar Room 1**. Organised by Jenny Bangham and Katharina Kraus.

- 21 January  Sophie Waring (HPS, Cambridge)
  Boundary work in the history of science

- 4 February  Daniel Wilson (Cambridge Victorian Studies Group)
  Truth and postmodernity
18 February  **Sam James (Faculty of History, Cambridge)**  
Narrative, knowledge and explanation in the critical philosophy of history


4 March  **Katharina Kraus (HPS, Cambridge)**  
Critical uses of history by philosophers


**Kant Reading Group**

**Kant’s Transcendental Arguments**

In Lent Term, we will try to explore Kant’s notion of transcendental argument and we also discuss more recent interpretations of transcendental arguments, such as those by Cassam, McDowell, Stroud and others.

Meetings are held in the  **HPS Lodge from 3.30–5.00pm on Tuesdays**. They begin with a short presentation and are followed by general discussion. All are most welcome. If you have any questions, please feel free to contact Katharina Kraus.

25 January  **Addendum to the Metaphysical Foundations of Natural Science (Michaelmas 2010)**


1 February  **An original: The transcendental argument for causality**

Kant, Immanuel,  *Critique of Pure Reason*, The Second Analogy (A189/B232–A211/B256)


**Generation to Reproduction Reading Group**

This group discusses pre-circulated papers, classics as well as our own work, in the area of our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). We also hold work-in-progress sessions.

This term’s meetings will be at **5–7pm** (tea from 4.50) on **Tuesdays 15 February and 15 March in Seminar Room 1**. To join the group, please email generate@hermes.cam.ac.uk

**Latin Therapy**

Latin Therapy will meet on **Fridays in the HPS Lodge from 4–5.30pm**. All levels are welcome and beginners are strongly encouraged to come along. Each week we will cover some introductory grammar, followed by a text suggested by members. The pain of the ablative absolute will be salved with copious tea and biscuits!

More information can be found at our website: www.hps.cam.ac.uk/latintherapy. To be added to the mailing list, or to suggest a text, please contact Susannah Gibson.
Easter Term 2011

Departmental Seminars

Seminars are held on **Thursdays from 4.30 to 6.00pm in Seminar Room 2**, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand from 4pm in Seminar Room 1.

Organised by Nicky Reeves.

- **28 April** Robbie Williams (University of Leeds)
  Decision making under indeterminacy

- **5 May** Salim Al-Gailani (HPS, Cambridge)
  The ‘Great Ice Age’ of anatomy: learning from frozen sections c. 1900

- **12 May** Emma Spary (Faculty of History, Cambridge)
  Expertise, endorsement and enlightenment: the trials and tribulations of health foods in late eighteenth-century Paris

- **19 May** Alireza Taheri (HPS, Cambridge)
  Lacan’s conceptualization of the relation between psychoanalysis, science and philosophy

- **26 May** *Sixteenth Annual Hans Rausing Lecture (McCrum Lecture Theatre)*
  Celina Fox
  Surveying the scene, engineering the machine: drawing things together in the Age of Enlightenment

Abstracts

- **28 April** Robbie Williams (University of Leeds)
  Decision making under indeterminacy

When making a decision, sometimes we know what consequences each course of action will lead to. In other cases, we have to act without being sure whether the action we take secures the outcome we want. Decision theory (à la Ramsey, Savage, Jeffrey) is an attempt to analyze such situations.

But sometimes, we know (under at least one description) what outcome will result from each course of action open to us, but this is not enough to tell us whether what we want will be secured. This situation can be generated when our desires are formulated in terms infected with vagueness, indeterminacy and the like. For example, you might wish to refrain from killing a living being, but judge that there is ‘no fact of the matter’ whether a destructive act counts as such a killing. Or you might want to secure good things for your future self, but judge that it is indeterminate whether the person who benefits from a given action is really you.

I will develop a model of rational action under indeterminacy, drawing on work on ‘imprecise probabilities’ (prominent advocates of this as a model of uncertainty include Isaac Levi, Richard Jeffrey and Bas van Fraassen). The story will recommend a certain kind of mixed or randomized action, which fits nicely with a kind of ‘inconstancy’ that Crispin Wright has long argued is characteristic of our judgements in borderline cases of vague predicates. The decision-rule I describe at first glance recommends certain kinds of inconsistent patterns of behaviour over time – I show how it can be implemented to avoid this.
Finally, I’ll apply the machinery developed to a touchstone puzzle of vagueness – the forced march sorites. The nice predictions it delivers here are evidence that the model of the conception of indeterminacy being developed is on the right track.

5 May  Salim Al-Gailani (HPS, Cambridge)  
The ‘Great Ice Age’ of anatomy: learning from frozen sections c. 1900

In the late nineteenth century anatomists claimed a new technique of slicing frozen corpses into sections translated the three-dimensional complexity of the human body into flat, easy-to-read and unprecedentedly accurate images. While histories of anatomical illustration consider frozen sectioning part of a longer trend towards precision in scientific image-making, I use the technique to expand our view of the place of visual aids in nineteenth-century medicine. Traditionally hostile to visual aids, elite anatomists controversially claimed frozen sections had replaced dissection as the ‘true anatomy’. Even more remarkably, obstetricians adopted the technique to challenge anatomists’ authority and reform how clinicians made and used pictures. I show that attempts to introduce frozen-section anatomy into such clinical disciplines as obstetrics and surgery reignited debates over whether medical expertise was constituted from images or through practical experience in the dissecting-room and at the bedside. Studying the making, uses and reception of frozen section anatomy broadens our understanding of the politics of representation in scientific practice.

12 May  Emma Spary (Faculty of History, Cambridge)  
Expertise, endorsement and enlightenment: the trials and tribulations of health foods in late eighteenth-century Paris

In this paper I will extend a discussion over expertise that has recently engaged both historians and sociologists of knowledge to a slightly unlikely topic: health foods. Drawing upon the institutional trials of food products marketed in eighteenth-century Paris for their health-giving properties, I will consider how and why producers of these specialised foods laid claim to scientific and medical enlightenment on their own behalf, and why they courted endorsements from the royal, scientific and medical institutions in the French capital. Considering Paris’s Société Royale de Médecine (1776–1793) in particular, the paper will explore the ways in which the endorsement process affirmed, but also potentially compromised, the public authority of such institutions. As the Société laid claim to the role of neutral arbiter of natural knowledge, it increasingly needed to distance its official pronouncements about food products from established practices of endorsement. The views of entrepreneurs about the public role of this and other royal institutions, on the other hand, were very different. The construction of scientific and medical expertise within the public domain was thus, as Thomas Broman has shown, a complex process involving several different categories of actors, each of which produced its own configuration of the relationships between institutions, experts, producers and consumers.

19 May  Alireza Taheri (HPS, Cambridge)  
Lacan’s conceptualization of the relation between psychoanalysis, science and philosophy

Psychoanalysis has been the subject of controversial critiques from a multitude of perspectives. Prominent among these are Masson’s critique of Freud’s abandonment of seduction theory, Sokal and Bricmont’s critique of Lacan’s ‘abuse’ of scientific and mathematical concepts, Foucault’s critique of the ‘repressive hypothesis’ and psychoanalysis’ pretence to universality (rather than seeing itself as merely one among many other ‘hermeneutics of self’), Popper’s critique of non-falsifiability and so on. Given the controversies surrounding psychoanalysis in general and Lacanian theory in particular, this talk will consider two related questions. The first concerns the scientificity (or lack thereof) of psychoanalysis. The second involves a critique of modern science in light of the Lacanian notion of the subject. Central themes involved in the elaboration of these two questions will be 1. the role of linguistics in Lacanian theory, 2. the importance accorded to mathematical formalization in Lacanian’s understanding of the scientific revolution (can psychoanalysis aspire to such formalization?), 3. the notion of the ‘divided subject’, 4. Lacan’s attempt to rigorously demarcate psychoanalysis, distinguishing it from science, religion and magic, and finally 5. Lacan’s equation of the ‘subject of science’ with the psychoanalytic notion of the ‘subject of the unconscious’ in light of the Cartesian *Cogito*. 
Cabinet of Natural History

This research seminar is concerned with all aspects of the history of natural history and the field and environmental sciences. The regular programme of papers and discussions takes place over lunch on Mondays. In addition, the Cabinet organises a beginning-of-year fungus hunt and occasional expeditions to sites of historical and natural historical interest, and holds an end-of-year garden party.

Seminars are held on **Mondays at 1pm in Seminar Room 1.** You are welcome to bring your lunch with you.

Organised by Caitlin Wylie.

9 May  **Expedition:** We’ll travel to Sutton Hoo, a National Trust Anglo Saxon archeological site, with Claire Wallace of the Whipple Museum as our guide. We’ll leave from HPS at noon. Drivers needed! More information and a sign-up sheet to follow.

16 May  **Melanie Keene (Homerton College, Cambridge)**
        The fairy-tales of science

23 May  **Donald Opitz (DePaul University, Chicago)**
        Victoria’s secret: science and the monarchy

6 June  **Sandra Knapp (Natural History Museum, London)**
        The gilded canopy: the botanical ceilings of the Natural History Museum

10 June  **Garden Party:** Talk by Vanessa Heggie (HPS, Cambridge), ‘Why isn’t exploration a science?’ Meet in Christ’s College garden, 12–2pm. Snacks and drinks provided.

Twentieth Century Think Tank

The Think Tank offers broad coverage of 20th-century and contemporary topics in the history and philosophy of science.

For Easter Term 2011, the Think Tank will not be running seminars, and will instead host three film evenings curated by members of the Department, details of which TBC. Films will be shown at 6.30pm in the Queen’s Building, Emmanuel College, on the following dates:

26 April
20 May
24 May

For more information email hps-think-tank@lists.cam.ac.uk

HPS History Workshop

The HPS History Workshop is a seminar group devoted to peer discussion of work in progress in all areas of the history of science, medicine and technology. All HPS postgraduate students with an interest in history are welcome to present draft MPhil essays, PhD chapters, conference papers, etc. The workshop encourages friendly and constructive feedback while providing a fortnightly point of contact for postgraduate historians at HPS.

Sessions will be held on alternate **Wednesdays in Seminar Room 1, 1pm–2pm.**

Organised by Alexandra Bacopoulos-Viau.

4 May  **Jiri Hudecek (HPS, Cambridge)**
        Ancient Chinese mathematics in action: Wu Wen-Tsun’s ethnic historicism after the Cultural Revolution

18 May  **Michael Bycroft (HPS, Cambridge)**
        Did wonders ever cease? The singular, shining and spectacular in Charles Dufay’s
‘Mémoires sur l’électricité’ (1733–7)

1 June Special joint session: Joeri Witteveen (HPS, Cambridge) and Pierre-Olivier Méthot (University of Exeter)
History and philosophy of biology: new perspectives?

Philosophy Workshop

The HPS Philosophy Workshop is a fortnightly seminar devoted to the discussion of on-going work by researchers in philosophy. Papers are invited from all graduate students and post-docs: it is a great format for getting some constructive and informal feedback on an essay, PhD chapter or potential article. Papers are circulated by email one week in advance of each meeting – the author will then give a brief synopsis on the day followed by roughly 45 minutes of Q&A.

Meetings take place every other Wednesday from 1–2pm in Seminar Room 1. The meeting dates are as follows:

11 May
25 May
8 June

If you would like to present, or have any questions, please contact Emily McTernan.

AD HOC

AD HOC is a history of chemistry reading group based in Cambridge and London. While our main focus is historical, we also consider the philosophical, sociological, public and educational dimensions of chemistry. This term’s theme is ‘Chemistry and Education’.

The group meets four times per term, on Wednesdays, 5pm–6.30pm in Seminar Room 1. Readings are available from the Whipple Library, and also circulated via our mailing list. A parallel series of meetings is held in London. For details visit our website, www.hps.cam.ac.uk/adhoc.

Organised by Hasok Chang and Jenny Rampling.

11 May ‘Chemistry in the curriculum’
Introduced by Keith Taber (Faculty of Education, Cambridge)
K. S. Taber, ‘A common core to chemical conceptions: learners’ conceptions of chemical stability, change and bonding’ (draft chapter).

18 May ‘Learning chemistry from books’
Introduced by Hasok Chang and Jenny Rampling (HPS, Cambridge)

1 June ‘Chemistry courses in the Enlightenment and beyond’
Introduced by Robert Anderson (Clare Hall, Cambridge) and John Perkins (Oxford Brookes University)
8 June  ‘Chemistry in Cambridge’
  Introduced by Simon Schaffer (HPS, Cambridge)

Philosophy of Science Reading Group

This term we will be looking at a selection of readings on classical and contemporary pragmatism. Meetings will involve a short presentation by a member of the group followed by a general discussion.

Meetings will take place on Thursdays at 2pm in Seminar Room 1 and are open to all. Organised by Jonathan Birch and Hasok Chang.


Philosophy of Biology Reading Group

This term we will be reading Signals: Evolution, Learning, and Information by Brian Skyrms.

Meetings will take place on Fridays at 2pm in the Lodge Seminar Room and are open to all. Organised by Jonathan Birch and Joeri Witteveen.

The schedule for the first four weeks is as follows:

  29 April  Introduction, ch. 1 ‘Signals’
  6 May  Ch. 2 ‘Signals in Nature’ and ch. 3 ‘Information’
  13 May  Ch. 4 ‘Evolution’ and ch. 5 ‘Evolution in Lewis Signaling Games’
  20 May  Ch. 6 ‘Deception’ and ch. 7 ‘Learning’

Generation to Reproduction Reading Group

This group discusses pre-circulated papers, classics as well as our own work, in the area of our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). We also hold work-in-progress sessions.

This term’s meetings will be at 5–7pm (tea from 4.50) on Tuesdays 10 and 24 May in Seminar Room 1. To join the group, please email generate@hermes.cam.ac.uk

Twentieth-Century Biology Reading Group

The group will discuss papers relating to the history, philosophy and historiography of twentieth-century biology. Articles will be placed well in advance in a box in the Whipple Library. Meetings are every other Tuesday from 1–2pm in the Lodge Seminar Room.

Organised by Dmitriy Myelnikov.
3 May  Historiographic reflections on biological disciplines
Introduced by Dmitriy Myelnikov

17 May  Human genetics in the Third Reich
Introduced by Jenny Bangham

31 May  Anthropological encounters and biomedical exchanges
Introduced by Salim Al-Gailani

Science and Literature Reading Group

**Our Animal Friends**

We meet on **Mondays from 7.30 to 9pm in the Skillicorn Room at Homerton College**. Some of the readings are available online: follow the links at www.hps.cam.ac.uk/seminars.

Organised by Daniel Friesner (Science Museum), Melanie Keene (Homerton College) and Liz Smith (Darwin Correspondence Project). For more information, or to join our email list, please contact Daniel Friesner or Liz Smith. *All welcome!*


Stephen J. O’Brien, *Tears of the cheetah, and other tales from the genetic frontier* (2003), selection TBA

6 June  James Herriot, *All Creatures Great and Small* (1976), chapters 1–3
Hugh Lofting, *Voyages of Doctor Dolittle* (1922), chapters 1–3

History and Theory Reading Group

**Historiographical Functions of Experiment**

In this series of three meetings, we will explore the historiographical uses of experiments. In recent decades many historians of science have plunged into the lab, attempting to replicate various past scientific experiments with some interesting results. But what exactly does the success or failure of replication teach us? How do we access knowledge about experiments described in past texts? How do we identify and interpret bygone events in the laboratory or on the dissection table? How should the historian handle seemingly impossible or absurd experimental claims by past scientists? And if past experiments can be replicated, then is it legitimate for the historian to vary or extend those experiments to learn more?
We meet on **Fridays, 2.30pm to 4pm in Seminar Room 1.** Organised by Jenny Bangham, Hasok Chang, Katharina Kraus and Jenny Rampling.

**27 May**  
**Hasok Chang (HPS, Cambridge)**  
Introduction; Complementary experiments

Hasok Chang, ‘How Historical Experiments Can Improve Scientific Knowledge and Science Education: The Cases of Boiling Water and Electrochemistry’, *Science and Education* 20 (2011), 317–341 (DOI 10.1007/s11191-010-9301-8). This paper will be discussed along with video clips of some key electrochemical experiments.

Online article with video clips of experiments:  
www.hps.cam.ac.uk/people/chang/boiling/

**3 June**  
**Jennifer Rampling (HPS, Cambridge)**  
Impossible experiments


10 June  
**Karin Ekholm (HPS, Cambridge)**  
Anatomical experiments


William Harvey, ‘Preface’ to *Anatomical exercitations concerning the generation of living creatures to which are added particular discourses of births and of conceptions, &c.* (London, 1653).

Discussion will focus on the use of anatomical dissections to understand primary source texts and consider the problems such replications entail.

**Kant Reading Group**

In Easter Term, we will read the *Transcendental Deduction of the Categories* according to the second edition of the *Critique of Pure Reason* (1787). In the Transcendental Deduction, Kant aims to show that the categories, the pure concepts of the understanding derived in the Metaphysical Deduction, are conditions of all possible experience. This means that they are *a priori* grounds that feature as necessary components in any possible experience. This argument is known as one of the most obscure, though most fascinating, parts of the *Critique*.

Meetings are held in the **HPS Lodge from 3.30–5.00pm on Tuesdays.** They begin with a short presentation and are followed by general discussion. All are most welcome. If you have any questions, please feel free to contact Katharina Kraus.

Wood, Cambridge: CUP.

3 May § 15. B129 – B131
§ 16. B131 – B136

10 May § 17. B136 – B139
§ 18. B139 – B140
§ 19. B140 – B142

17 May § 20. B143
§ 21. B144 – B146
§ 22. B146 – B148

24 May § 23. B148 – B149
§ 24. B150 – B156
§ 25. B157 – B159

31 May § 26. B159 – B165
§ 27. B165 – B169

Particles and Fields Reading Group

This new reading group will meet on Tuesdays, 2–3pm in Seminar Room 1 in the first four weeks of term. Organised by Jeremy Butterfield and Hasok Chang.

3 May Jeremy Butterfield introduces:
Mary Hesse, Forces and Fields, Chapters 6, 7 and 8.

10 May Nazim Bouatta introduces:
Marc Lange, The Philosophy of Physics, Blackwell, Chapter 5.

17 May Hasok Chang introduces:

24 May Lena Zuchowski introduces:

Latin Therapy

Latin Therapy will meet on Fridays in the HPS Lodge from 4–5.30pm. All levels are welcome and beginners are strongly encouraged to come along. Each week we will cover some introductory grammar, followed by a text suggested by members. The pain of the ablative absolute will be salved with copious tea and biscuits!

More information can be found at our website: www.hps.cam.ac.uk/latintherapy. To be added to the mailing list, or to suggest a text, please contact Susannah Gibson.

Greek Therapy

Greek Therapy meets every Wednesday during term time in the HPS Lodge from 5.15 to 7.15pm. We are an informal group for beginners and for experienced readers of Greek seeking to brush up their skills. The first hour of every session consists of a basic grammar session and reading simple texts, followed by an hour of reading from Plato’s Theaetetus. For information or to be added to the mailing list, please contact Liz Smith.