

HISTORY AND PHILOSOPHY OF SCIENCE

ANNUAL REPORT
FOR 2022-23



THE DEPARTMENT

In the 2022-23 academic year we made a full return to in-person activities in the department, while maintaining precautions to reduce the spread of Covid and other respiratory infections, and still taking advantage of online and hybrid modes of work where appropriate. Our teaching programmes continue to flourish, at all levels: Part IB, Part II and Part III in the Natural Sciences Tripos, the two MPhil Programmes (History and Philosophy of Science and Medicine, and Health, Medicine and Society), and the PhD programme. Research activities continue unabated, both with individual work and with a profusion of seminars and reading groups. The Whipple Museum continues its excellent work, and the Whipple Library continues to provide essential and friendly support to all of us.

Simon Schaffer and Liba Taub retired in September 2022, marking the end of their long and distinguished service that brought much fame to the department worldwide, and great intellectual ferment to our daily lives in Free School Lane.

We welcomed many new members to the departmental staff, including: Philippa Carter (Assistant Professor), Lewis Bremner, Tom McClelland, Dmitriy Myelnikov (Teaching Associates), Dora Yao, Edwin Rose (Research Associates), Isla Monk (HMS MPhil Administrator), and Eric Winsberg, who will be with us for four years as a British Academy Global Professor.

At the end of August 2023 Tim Lewens completed his sterling service of four years as the Head of Department, handing over to Hasok Chang for the next period. We are very much in Tim's debt for steering the department safely and harmoniously through a very turbulent period and putting our operations on a more secure footing.

In 2022-23 we celebrated the 50th anniversary of the formal founding of the department. Throughout the year we revisited some crucial contributions made by Cambridge scholars to the field of HPS over the decades, in a special seminar series called Classics of Cambridge HPS. The classic works were presented by various distinguished alumni of the department, sometimes in dialogue with the authors of the works themselves. Recordings of all events in this series can be viewed here: <https://sms.cam.ac.uk/collection/4063094#:~:text=Description%3A,back%2050%20years%20and%20beyond>.

The celebrations culminated in a two-day event in July 2023, at which we looked back on the past achievements of the department and looked forward to possibilities for future developments. It was a memorable event that brought together many alumni, former staff, current members, and friends of the department. The programme for the two days and the recordings of talks and panel discussions can be seen at the following locations:

<https://www.hps.cam.ac.uk/news-events/anniversary-celebration>

<https://sms.cam.ac.uk/collection/4334562>

HASOK CHANG

Head of Department

STAFF & AFFILIATES

Professional staff

Jane Clare
Toby Bryant
David Thompson
Sarah Gordon
Dan Jones
Isla Monk

Library

Jack Dixon
Laura Burgazzi

Whipple Museum

Morgan Bell
Alison Giles
Steve Kruse
Alison Smith

Research Fellows

Alessandra Basso
Tad Brown
Sara Caputo
Sarah Dry
Boris Jardine

College Fellows

Peter Jones
Melanie Keene
Simon Mitton
Raphael Uchôa

Teaching Officers

Anna Alexandrova
Salim Al Gailani
Mary Brazelton
Pippa Carter
Hasok Chang
Marta Halina
Nick Hopwood (on leave)
Stephen John

Teaching Associates

Lewis Bremner
Matt Farr
Thomas McClelland
Dmitriy Myelnikov

College Teaching Officers

Marina Frasca-Spada
Sachiko Kusukawa
Deborah Thom

Lauren Kassell (on leave)
Tim Lewens
Daniel Margocsy
Staffan Müller-Wille
Joshua Nall
Charu Singh
Richard Staley
Jacob Stegenga

Raphael Scholl
Andreas Sommer
Dora Yao

Others who do HPS in the Collegiate University

Shahar Avin
Debby Banham
Michael Bravo
Angela Breitenbach
Shawn Bullock
Chris Clarke
Saul Dubow
Robbie Duschinsky
Rebecca Flemming
Sarah Franklin
Inanna Hamati-Ataya
Richard Holton

Shelley Innes
Martin Johnson
Tony Lawson
Kathy Liddell
Scott Mandelbrote
Peter Mandler
Alexander Marr
Jianjun Mei
Francis Neary
Alison Pearn
Huw Price
Katherine Reinhart

Edwin Rose
Richard Serjeantson
Sujit Sivasundaram
Jeff Skopek
Richard Smith
Liz Smith
Emma Spary
Simon Szreter
Keith Taber
Daniel Wilson
Jack Wright

Affiliated scholars

Leah Astbury
Jenny Bangham
Riana Betzler
Robert Bud
Tatjana Buklijas
Soraya de Chadarevian

Silvia De Renzi
Marion Godman
Milena Ivanova
Sarah Marks
Richard McKay
Ayesha Nathoo

Emma Perkins
Rob Ralley
Anne Secord
Mark Tonelli
Paul White

VISITORS & STUDENTS

Visitors

Alessandra Basso

Tinne Claes

Michaela Egli

Johan Gärdebo

Milton Gonzalez Rodriguez

Niklaas Gunter Gorsch

Sarah Naomi Hijmans

Quentin Hiernaux

Cathrine Holst

Larysa Karachevtseva

Anna Luna Post

Pamela MacKenzie

Zhang Min

Elisabeth Moreau

Yolanda Munoz Rey

Sebastian Ostlund

Oded Rabinovitch

Ayako Sakurai

Helene Scott-Fordsmand

Sophia Spielmann

Mauricio Suarez

Lukas Verburgt

Louis-Etienne Villeneuve

Cao Yu

PhD students

Kim Alexander

Fiona Amery

Thomas Banbury

Lukas Beck

Olesya Bondarenko

Gregory Bridgman

Erinn Campbell

Eoin Carter

Benjamin Chin-Yee

Chia-Li Chu

Charlotte Connelly

Sophia Crüwell

Theo Di Castri

Katherine Duncan

Ahmad Elabbar

Rhianna Elliott

Grace Field

Gianamar Giovannetti-Singh

Joanne Green

Angela Gui

David Harrison

Kent Win Ho

Oliver Holdsworth

Yijie Huang

Zsuzsanna Ihar

Myesha Jemison

João Joaquim

Isaac Kean

Miles Kempton

Rory Kent

Korbinian Kettner

Phillip Kieval

Damon Kutzin

Christian Larroulet

Harry Law

Silvia Maria Marchiori

Zinhle Mncube

Olin Moctezuma Burns

Ruward Mulder

Janna Müller

Kourki Nejad

Miguel Ohnesorge

Nuno Oliveira

Claire Oliver

Hitesh Pant

Victor Howard Parchment

Scott Partington

Marabel Riesmeier

Matt Rosen

Raphael Scholl

Daniela Sclavo

Guy Sechrist

Adrià Segarra Torné

Elizabeth Seger

Timothy Sim

Kathleen Simpson

Philipp Spillmann

Hamed Tabatabaei Ghomi

Hannah Tomczyk

Amelia Urry

PhD students continued

Alexander Van Dijk
Mona-Marie Wandrey
Laura Weidinger
Xinyi Wen
Oscar Westerblad

Sheryl Wombell
Jia Yu
Charlotte Zimmel
Mei Zhou

HPSM MPhil students

Charlotte Adamo
Meha Ahluwalia
Melissa Altinsoy
Lucy Arditi
Catrin Beynon
Derek Braverman
Megan Briers
Zhiyu Chen
Cameron Dashwood
Derek Foster
Sanjana Friedman
Rosemary Gatfield-Jeffries

Katherine Hankin
Yi Qing Huang
Mika Hyman
Francesca Joyce
Felicity Mackenzie
Lian McCall
Harrison McQueen
Tzvetan Moev
Matej Mosko
Cerys Naden
Ana Nicolae
Jessica Recher

Alistair Reed
Raquel Sequeira
Katherine Skingle
London Vallery
Gabrielle Van Den Hoek
Isaac Wilkins
Fu Ge Yang
Yinzhu Yang
Zie Yang
Jan Zebrowski
An Zhu
Binjie Zou

HMS MPhil students

Aaron Abai
Isabelle Bastian
Ellen Bridson
Claire Catuogno-Cal
Natasha Chugh
Catrina Denton
Emma Donohoe

Michael Gasior
Ariella Goldman
Ishani Gupta
Laura Hergenrother
Sarah Ho
Vasudha Kataruka
Kathleen Li

Cat-Thi Ly
Anya Murphy
Sahar Seidl
Charlotte Wade
Eleanor White
Sally Yan

Part III students

Sameer Aiyar-Majeed
Ellie Brittain
Joe Chidwick
Freya Conlin
Karolina Filova
Erin Gerrity

Ruby Gray
Yuming (Heidi) He
Andrew Hunton
Jamie Robertson
Heather Rowland
Michael Shao

Rebecca Siddall
Tammas Slater
Tiffany Tsoi
Emaan Ullah

Part II students

Sarah Abbas
Angelica Akrami
Aatqa Arham
Ayomide Ayinde
Joseph Burns
Gonçalo Carvalho
Eleanor Connell
Sean Conrad
Madeline Coode
Alexandru-Nichita Costea
Alexander Dalton
Benjamin de la Court-Wakeling

Charlotte Duckett
Elisa Earle
Alexander Fletcher
Filipina Grzywacz
Abbas Habib Kazmi
Matthew Holland
Samuel Hudson
Marcell Hunyadi
Alex Knight
Mengchu Lei
Ava Machesney
Abdul Madadi

Haidar Mathieson
Brodie McCloy
Laura Messenger
Rokas Povilonis
Ella Ritchie
Stella Rodgers
Fleur Sawday
Oli Tych
Elizabeth Vogel
Louisa Yapp

Part II BBS Major Students

Isabella Aitchison
Aimee Cooper
Ashley Fox-Wiltshire

Shangavi Ganeshan
Chloe Gibson
Tomos Mather

Elen Parry
Mia Ward

BBS Minor Subject 107 – PEM:

Onyekachi Anyamele
Doris Darkwah
Sean Fernando
Kiran Gathani
Najmo Hassan
Nabil Khan

Lily Lawrence
Brian Lee
Kisanet Medhanie
Helena Sinjan
Hannah Spurry
Katriina Surquin

Sifat Symum
Brett Taylor
Jessica Webb
Nina Zhang

BBS Minor Subject 113 – Early Medicine:

Rebekah Knights
Emily Moon
William Payne Smith
Phoebe Schofield
Evelina Sliauteryte
Siena Taylor

BBS Minor Subject 114 – MMBS:

Kristina Baker
Ieng Lai
Ka Lee Li
Amy Migunda
Imogen Perkins
Elizabeth Vogel

ROLES & RESPONSIBILITIES

Head of Department: Tim Lewens

Chair of Board: Anna Alexandrova

Chair of Degree Committee & Director of Postgraduate Education: Hasok Chang

HPSM MPhil Manager: Anna Alexandrova & Staffan Müller-Wille

HMS MPhil Manager: Jacob Stegenga

Part III Manager: Richard Staley (M,L), Stephen John (E)

Part II Manager: Dániel Margócsy

Part IB Manager: Stephen John

Department Seminar Organiser: Richard Staley

Staff Development Officer: Tim Lewens (academic) & Jane Clare (professional services)

Dignity Officer: Hasok Chang, Staffan Müller-Wille, Anna Alexandrova

College Liaison Officer: Dániel Margócsy

Chair of Monitoring Committee: Dániel Margócsy

Equality and Wellbeing Officer: Anna Alexandrova

Language Officer: Mary Brazelton & Staffan Müller-Wille

Green Impact Representative: Charu Singh

DIRECTORS OF STUDIES

Caius: Richard Staley

Christ's: Jim Secord

Churchill: Rune Nyrup

Clare: Tim Lewens

Corpus / Trinity: Marina Frasca-Spada

Downing / Emmanuel / Fitzwilliam / Girton /

Peterhouse / Queens' / Murray Edwards: Richard Jennings

Homerton: Melanie Keene

Hughes Hall / Wolfson: Jacob Stegenga

King's: Anna Alexandrova

Jesus / Lucy Cavendish / St Catherine's: Mary Brazelton

Magdalene: Richard McKay

Newnham: Emma Perkins

Pembroke: Stephen John

Robinson: Sebastian Falk

St John's / Sidney Sussex: Dániel Margócsy

Selwyn: Thomas McClelland

St Edmund's: Salim Al-Gailani

Trinity Hall: Liba Taub

STAFF ACHIEVEMENTS

Prof Anna Alexandrova

Publications

Edited Volumes

- Newfield, C., A. Alexandrova, and S.D. John (eds.) 2022 *Limits of the Numerical: Perspectives from Humanities and Social Sciences* Chicago University Press.

Reports

- Fabian, M. & Alexandrova, A. (2022). [When, Why, and How to do Coproduction in Wellbeing Policy and Practice](#). What Works Centre for Wellbeing Methods Series.
- Anna Alexandrova and Mark Fabian (2022) [What we know about wellbeing: The state of the art and what is to come](#). Templeton Foundation.

Journal Articles

- Fabian, M., Alexandrova, A., & Nair, Y. C. (2023). Coproducing Wellbeing Policy: A Theory of Thriving in Financial Hardship. *Journal of Happiness Studies*, 24(7), 2309–2330.
- Fabian, M., Alexandrova, A., Coyle, D., Agarwala, M., & Felici, M. (2023). Respecting the subject in wellbeing public policy: beyond the social planner perspective. *Journal of European Public Policy*, 30(8), 1494–1517.

Dataset

- Alexandrova, A., & Brandmayr, F. (2023). The meanings of social science according to UK academics: Survey results. Dataset in open access.

Awards

- Joseph D. Gittler book prize 2022 of the American Philosophical Association

Popular writings and media

- [What can science tell us about happiness?](#) On Humans Podcast, Sept 2022
- [Why public policy should not be guided by master numbers](#) *New Statesman*, May 27th 2022. [Preprint](#)

Talks

- “How to justify thick concepts in social research” Edinburgh University Thick Concepts Workshop, July 2023
- “Defining ‘social science’ in the age of interdisciplinarity” University of East Anglia, Philosophy Department Colloquium April 2023
- “Who is the economist? The struggle for identity in the age of the empirical turn” with Isaac Kean, INEM 2023 Keynote Address Venice
- “In the pursuit of a definition of ‘social science’” Res Philosophica Lecture, Saint Louis University, April 2023.

- Climate Change and Wellbeing: Comments on Peter Railton's Quain lectures, UCL November 2022, with Matthew Agarwala.
- "The Value of Measurement and Measurement of Values"
 - Philosophy Exchange Graduate conference, Values in Science, LSE, Oct 2022, Keynote address
 - Washington University in St Louis, Philosophy Department Colloquium April 2023
 - Ethics and Public Policy Workshop, online, December 2023
- How Measurement Can be Participatory, Measurement at the Crossroads, Keynote Lecture, June 2022, Milan.

Dr Mary Brazelton

Publications

- *China in Global Health: Past and Present*. Cambridge: Cambridge University Press (Elements in Global China), 2023.
- Dániel Margócsy and Mary Augusta Brazelton, eds., *Transportation Technologies and the Mobility of Knowledge*, a special issue for *History of Science* (vol. 61, no. 1, 2023). 3-120. 117 pages.
- 「中华人民共和国的群众性免疫接种：从全民健康到全球健康」 [Mass immunization in the People's Republic of China: from national to global health], trans. Fang Xiaoping, 《中共党史研究》 *Research on the History of the Chinese Communist Party* 2022, no. 1 (special issue edited by Fang Xiaoping and Dong Guoqiang). 84-89. 6 pages (in Chinese).
- Review of Yi-tang Lin, *Statistics and the Language of Global Health: Institutions and Experts in China, Taiwan, and the World, 1917-1960*, *Social History of Medicine* online advance access. 2 pages.
- Review of *Knowledge Production in Mao-Era China: Learning from the Masses* by Rui Kunze and Marc Matten in *East Asian Science, Technology, and Medicine*, available online. 5 pages.
- Review of *Virulent Zones: Animal Disease and Global Health at China's Pandemic Epicenter* by Lyle Fearnley in *Journal of Asian Studies* 81, no. 1 (2022): 260-61. 2 pages.

Prize

- Pilkington Prize for Teaching Excellence, University of Cambridge, 2023

Public engagement

- "Why vaccine hesitancy persists in China – and what they're doing about it," NPR interview with John Ruwitch, December 2022. <https://www.npr.org/sections/goatsandsoda/2022/12/09/1140830315/why-vaccine-hesitancy-persists-in-china-and-what-theyre-doing-about-it>
- "Why won't China get vaccinated?" Interview on ChinaTalk podcast, hosted by Jordan Schneider, 2022. <https://www.lawfaremedia.org/article/chinatalk-why-wont-china-get-vaccinated>

Keynote lectures

- "Towards a Global History of Global Health: Chinese Perspectives," Peking University Summer School, July 2023.
- "From plague fighters to barefoot doctors: China in Global Health Histories," "The Covid-19 Pandemic and China's Global Projection," Trento, November 2022.

Other things

I chaired the jury of the Hughes Prize for the British Society for the History of Science. Keith Wailoo's *Pushing Cool* was selected as the award winner. I was appointed to the editorial board of *Notes and Records*.

Dr Pippa Carter

Publications

- '[Work, Gender, and Witchcraft in Early Modern England](#)', Gender & History (July 2023), early view.

Press coverage

- '[Witchcraft accusations were an "occupational hazard" for female workers in early modern England](#)' (19 Sept 2023, [cam.ac.uk](#)).
- '[Witchcraft claims linked to seventeenth-century women's jobs](#)' (20 Sept 2023, BBC News).
- '[Why sour milk could explain the witch-hunt against women](#)' (20 Sept 2023, [thetimes.co.uk](#)).

Presentations

- 'Splicing the soul: brain anatomy and interspecies difference in early modern Europe'. Early Science and Medicine seminar, HPS Dept. Cambridge, October 2023.
- 'Managing mental illness, c. 1500-1700'. European Association for the History of Medicine and Health Annual Conference. Oslo, September 2023.
- 'Feeling evil in the seventeenth century'. Cambridge-Stockholm symposium on Religion, Emotion and the Body. Cambridge, April 2023.
- 'Diagnosing frenzy in early modern England'. Renaissance Society of America Annual Meeting. San Juan, Puerto Rico, March 2023.
- 'Diseased brains and diseased souls in post-Reformation England'. Sorbonne University, Franco-British History seminar. Paris, December 2022.
- 'At the castle gates: interiority and collectivity in the writings of Teresa of Ávila'. Cambridge-Tampere workshop on Lived Experiences of Religion, c. 1100-1700. Rome, September 2022.

Outreach and public engagement

- Invited guest speaker, Great Linford Manor Park, The Parks Trust. Heritage event. Title of talk: "'The most renowned physician of both body and soul": Richard Napier and his world'. September 2023.
- Invited speaker at public event: 'The Facts of Life: Debunking Misconceptions in Women's Health'. Title of talk: 'Perinatal Mental Health Problems in Historical Perspective'. Co-organized by Cambridge Students Against Pseudoscience (CUSAP), Cambridge University for Reproductive Rights (CURR), Cambridge Period Project (TCPP), and Cambridge FemTech. October 2023.
- Organizer and session leader, outreach session for Key Stage 5 students from Barking & Dagenham. Session title: 'Anatomizing the Past'. Hosted by Cambridge HPS Department, Whipple Museum, and Corpus Christi College. September 2022, 2023.

Prof Hasok Chang

In the 2022–23 academic year I continued working on completing the two book projects that I began during the period of the British Academy Wolfson Research Professorship (2017–20). One of these titles, *Realism for Realistic People*, appeared in October 2022, and has already attracted some attention from various scholarly communities around the world. I made my best effort to complete the other one, but had to stop at making a penultimate draft; completion will hopefully come in the summer of 2024.

I have carried a full load of teaching and administration in the department. The most important service roles I have played were being the departmental Director of Postgraduate Education, and leading on the 50th anniversary celebration of the department, culminating in two-day symposium in July 2023.

I have continued to look after a large number of PhD students. I have again coordinated the ‘Coffee with Scientists’ (with Marta Halina) and ‘AD HOC’ seminar groups, and helped with running the ‘Integrating HPS’ reading group.

My affiliation with the Department of Chemistry continues, primarily for the purpose of historical experiments.

I continue as a Fellow of Clare Hall, and have an active presence there, serving on the Council among other things. The 2022–23 year saw the full launch of the “Special Interest Group” scheme there, which was established on my initiative. More than 10 groups ran this year, including the one in HPS that I ran together with Helene Scott-Fordsmand and Johan Gärdebo.

In professional service outside Cambridge, I have been elected the Second Vice-President of the historical division (DHST) of the International Union of History and Philosophy of Science and Technology. I have also continued to serve as the chair of the International Relations Committee of the Philosophy of Science Association. I also continue to serve on the Lakatos Award Management Committee.

In the 2022–23 year I resumed a high level of academic travel, while trying to avoid the excesses that I had got into in the period before the Covid pandemic.

Publications

Books

- Hasok Chang, *Realism for Realistic People: A New Pragmatist Philosophy of Science* (Cambridge University Press, 2022).

Articles in books

- ‘The Ontology of Scientific Practice’ in H Barseghyan et al. (eds) *Scientonomy: The Challenges of Constructing a Theory of Scientific Change: Proceedings of Scientonomy Conference 2019* (Vernon Press, 2022), 1–19.

Reviews

- Peter Ramberg, ed., *A Cultural History of Chemistry in the Nineteenth Century*, for *Ambix* (2023).
- Zae-young Ghim and Ja Hyon Ku, 전기자기론 (Korean translation of James Clerk Maxwell, *A Treatise on Electricity and Magnetism*), for *The Korean Journal for the History of Science* 44–2 (2022), 481–482.

Other publications

- Foreword to David Teplow, *The Philosophy and Practice of Science* (Cambridge University Press, 2023).
- ‘What is air, and how do we know?’ (with illustrations by Tracy Satchwill), published online in the Wellcome Collection website on 21 September 2022. <https://wellcomecollection.org/articles/YtgEcBEAACcA9ov3>.
- Column on science, philosophy and society in the Opinion section of *중앙일보* [JoongAng Daily newspaper, Seoul] (monthly since January 2021; every other month since December 2022).

Lectures, seminars and conferences (selected)

June 2022

- 'Realism for Realistic People', opening lecture at the conference Realism for Realistic People: A Copenhagen-Cambridge Symposium on Hasok Chang's Philosophy of Science, University of Copenhagen, 29 June 2022.

October 2022

- 'Realism for Realistic People' (opening and closing remarks), at the workshop Can Realism Allow Pluralism and Contingency? *Colloque dédié à une discussion du nouveau livre de Hasok Chang, "Realism for Realistic People"* (colloque international issu du programme de recherche "MultiScienceS"), MSH Lorraine, Nancy, 19-20 October 2022.

May 2023

- 'Pragmatist Philosophy for Historians of Science', Stillman Drake Lecture at the annual meeting of the Canadian Society for the History and Philosophy of Science (CSHPS), 28 May 2023.

Dr Marta Halina

This year I continued to co-lead the project “Major Transitions in the Evolution of Cognition” with Andrew Barron and Colin Klein. The project received additional funding for a total of 1.5M USD. I was interviewed by Worldview Studio (July 2023) and the Eureka! Podcast (March 2023) on the topic of animal intelligence. In January 2023, I took on the role of Associate Editor for the journal *Philosophy of Science* (University of Cambridge Press).

Publications

Articles in Journals

- “Transitions in Cognitive Evolution” (2023). With Andrew Barron and Colin Klein. *Proceedings of the Royal Society B*, 290, 1-10.
- “Unlimited Associative Learning as a Null Hypothesis” (2022). *Philosophy of Science*, 89, 1186-1195.
- “Direct Human-AI Comparison in the Animal-AI Environment” (2022). With Konstantinos Voudouris, Matthew Crosby, Benjamin Beyret, José Hernández-Orallo, Murray Shanahan and Lucy Cheke. *Frontiers in Psychology*, 13, 1-22.
- “How Should We Study Animal Consciousness Scientifically?” (2022). With Jonathan Birch, Donald M. Broom, Heather Browning, Andrew Crump, Simona Ginsburg, David Harrison, Eva Jablonka, Andrew Y. Lee, François Kammerer, Colin Klein, Victor Lamme, Matthias Michel, Françoise Wemelsfelder and Oryan Zacks. *Journal of Consciousness Studies*, 29(3-4), 8-28.
- “Evolutionary Transition Markers and the Origins of Consciousness” (2022). With David Harrison and Colin Klein. *Journal of Consciousness Studies*, 29(3-4), 62-77.

Encyclopaedia Entries

- “Methods in Comparative Cognition” (2023). *Stanford Encyclopedia of Philosophy*. <https://plato.stanford.edu>.

Lectures, seminars and conferences

November 2022

- “The Role of Folk Psychology in Scientific Understanding.” The Biennial Meeting of the Philosophy of Science Association (PSA), Pittsburgh, Pennsylvania (11 November 2022).

January 2023

- “Folk Psychology, Pragmatic Understanding, and the Study of Animal Minds.” *Philosophy of Animal Minds and Behavior Association (PAMBA)*. American Philosophical Association (APA) Easter Division, Montreal, Quebec, Canada (7 January 2023).
- “Folk Psychology and Scientific Understanding.” *Serious Metaphysics Group*, Faculty of Philosophy, University of Cambridge (19 January 2023).

April 2023

- “Major Transitions in Cognitive Evolution.” Department of Philosophy, The Hebrew University of Jerusalem (17 April 2023).
- “Major Transitions in Cognitive Evolution.” Department of Philosophy and the Hang Seng Centre for Cognitive Studies, University of Sheffield (19 April 2023).

May 2023

- “Comparative Cognition: Unlucky for Some?” by Ali Boyle. Discussant with Adrian Currie and Sanja Sreckovic. *Neural Mechanisms Online* (26 May 2023)

June 2023

- “Anthropomorphism and AI.” Panel with Henry Shevlin and Zeerak Talat. Homerton College, University of Cambridge (19 June 2023).
- “Resource Constraints and The Evolution of Cognition.” *Pushing the Boundaries: Neuroscience, Cognition, and Life.* University of California, Los Angeles (27 June 2023).

July 2023

- “Major Transitions in the Evolution of Cognition” with Andrew Barron and Colin Klein. The Annual Conference of the British Society for the Philosophy of Science (BSPS), University of Bristol (7 July 2023).

August 2023

- “Major Transitions in the Evolution of Cognition” [Plenary Talk] with Andrew Barron. Diverse Intelligences Summit. University of St Andrews (1 August 2023).
- “Adopting the Intentional Stance.” Ethics of Conversational AI Reading Group, Cambridge–Google Research Partnership (2 August 2023).

September 2023

- “Prediction, Explanation, and AI in Scientific Practice.” Cognitive Science Speaker Series, CUNY Graduate Center, New York, NY (8 September 2023).
- “Prediction, Explanation, and AI in Scientific Practice.” Philosophy of Science Meets Machine Learning, University of Tübingen, Tübingen, Germany (12 September 2023).

Prof Stephen John

Publications

- Dennison, R, Usher-Smith, J, (2023) John, S “The ethics of risk stratified cancer screening” *European Journal of Cancer*
- John, S and Curran, E (2022) Principles for Vaccine allocation *Journal of Applied Philosophy*

Talks

- 2022 “Waiting for Certainty” IUHPST, Paris-Sorbonne, invited speaker
- 2023 “The two faces of science” Seminar for Theoretical Philosophy, University of Groningen, invited speaker
- 2023 “Weber’s Elephant” LSE workshop on expertise in emergencies, invited speaker
- 2023 “Are doctors too squeamish for public health policy?” UCL workshop on public health and political philosophy, invited speaker
- 2023 “Maintaining the Natural Veil of Ignorance” Warwick-Cologne workshop on the ethics and epistemology of vaccine hesitancy, invited speaker
- 2023 “Invitations, non-maleficence, and cancer screening” International Philosophy of Medicine Roundtable, Bologna
- 2023 “The limits of transparency” European Society for Philosophy of Science conference, Belgrade

Workshop

I organised a workshop in March 2023, hosted in HPS, on “The ethics and epistemology of expertise”, with speakers from the Netherlands, Germany, Turkey, U.K., and France.

Prof Nick Hopwood

Publication

- Nick Hopwood, A sexless universe: How microbial genetics shaped the first history of reproduction, François Jacob's The Logic of Life, HOPOS 13 (2023), 511-534.

Research talks and outreach

- Panellist, '100 years of "Daedalus": The birth of assisted reproductive technology'. Progress Educational Trust online event. February.
- History is always happening now (with P.A. Bitez), episode 2 in Made the Same Way. Reform Radio (Manchester) and Human Developmental Biology Initiative podcast series. February
- Drama of life before birth: Imaging human development since World War II. Kyoto University. March
- The revival of research on human development; and panellist in roundtable on ethics. Human development from embryos to stem cell models, Cold Spring Harbor Asia meeting, Awaji Yumebutai. March
- Dimensions of modelling. Research Centre for Social Urban Modelling, National Museum of Denmark. April
- Panellist, Ethics of embryo research, Springer-Nature Landscape Meeting. September
- Contributions to summer and winter schools
- Technologies of conception. University of Groningen Honours College Winter School, History of reproduction, Clare College, Cambridge or online. April
- History of human embryos. Placental Biology Course, Centre for Trophoblast Research, University of Cambridge (online). July
- Futures past: Technologies of conception, Cambridge Summer School on Reproduction (online). September

Some other things

I was on research leave as holder of a Leverhulme Major Research Fellowship for The Many Births of the Test-Tube Baby. I took up a pandemic-postponed two-week fellowship at the Countway Library, Harvard University. In Cambridge, I continued as a deputy chair of Cambridge Reproduction and a council member of the Cambridge Philosophical Society and served as a member of the oversight group for the Human Developmental Biology Initiative public dialogue project. Beyond Cambridge, I continued, among other roles, as an associate editor of the Journal of the History of Biology.

Prof Dániel Margócsy

Dániel Margócsy co-edited with Mary Brazelton the special issue *Transportation Technologies and the Mobility of Knowledge for History of Science*, for which they also co-authored the introduction.

He also published a book chapter, co-authored with Mark Somos and Stephen N. Joffe, on "Sequencing Vesalius' De humani corporis fabrica" in Ruth Noyes' *Reassessing Epistemic Images in the Early Modern World*.

He received the Progress in Development Studies Annual Best Article Prize for "Datafication, Power and Control in Development: A Historical Perspective on the Perils and Longevity of Data", co-authored with Katarzyna Cieslik, and he was the recipient of the Colonial Natures Research Framework Grant (funded by SHSS) and the Digitising Philippine Flora Participatory Research Grant (funded by the Collections, Collections, Communities SRI).

Dr. Staffan Müller-Wille

Publications

- Elena Isayev and Staffan Müller-Wille, "Hospitality and Knowledge: Linnaeus's hosts on his Laplandic Journey (1732)," *Social Research* 89 (2022), pp. 199-230.
- Staffan Müller-Wille, "Race and Kinship: Anthropology and the "Genealogical Method," in: *The Politics of Making Kinship. Historical and Anthropological Perspectives*, edited by Erdmute Alber, David Sabeau, Simon Teuscher, and Tatjana Thelen. Oxford: Berghahn, 2022, pp. 79-113.
- Isabelle Charmantier and Staffan Müller-Wille. "La carte à jouer, support de connaissance des naturalistes." In *Les cartes à jouer du savoir: détournements savants au XVIIIe siècle*, edited by Jean-François Bert and Jérôme Lamy. Basel: Schwabe, 2023, pp. 139-152.

Talks

- "Race and Kinship: Anthropology and the Genealogical Method", History of Anthropology Working Group, Consortium for History of Science, Technology and Medicine, 5 October 2022
- "From *Iter Lapponicum* (1732) to *Instructio peregrinatorum* (1759): Linnaeus's Lapland Journey and the Experience of Travelling", International Workshop "Colonial Instructions: Knowledge, Genre and Power, 1700-1850", Uppsala University, 11 November 2022
- "Linnaeus on Human Diversity" (with Isabelle Charmantier), Founders' Lecture, Linnean Society of London, 2 December 2023
- "Vom Tagebuch zum Katalog. Wissenstransfer in Carl von Linnés Lappländischer Reise (1732)", Wissenschaftshistorisches Seminar, Leopoldina - Nationale Akademie der Wissenschaften, 10 January 2023
- "Diagrams in the History of Race and Genetics", Seminar, Department of Philosophy, Durham University, 18 January 2023
- "Abstraktion und Konkrektion in der Naturgeschichte um 1800", International Conference "Wissenschaften des Konkreten", Käte Hamburger Kolleg „Kulturen des Forschens“, RWTH Aachen, 16 February 2023
- "Son of Boreas: How Linnaeus Sold Himself as a Laplander", International Conference "Northern Networks", Uppsala University, 30 March 2023
- "Ephemeral Hebraria", Workshop on "Herbaria in Libraries", Herzog August Library, Wolfenbüttel, 9 June 2023
- "Indexing Nature and Culture: Linnaeus in Lapland, 1732", International Workshop "Making Science of Things: Objects and Knowledge in and between the Natural and Human Sciences", University of Vienna, 29 June 2023
- "Landscape and Territory in Carl Linnaeus's *Iter Lapponicum* (1732)", 16th International Congress for Eighteenth-Century Studies, Rome, 7 July 2023
- "Pflanzen-Verwandtschaften . Eine Hamburger Geschichte", Public Evening Lecture, DFG-Centre for Advanced Studies "Imaginaria of Force", Zoological Museum, Hamburg, 12 July 2023
- "Linnaeus in Lapland: A story of influential indigenous interactions", Cambridge Alumni Festival, 23 September 2023

Dr Josh Nall

Publications

- Joshua Nall, James Hyslop, & Boris Jardine (eds.), *Materials for the History of Science: A Whipple Museum Festschrift to Celebrate the Directorship of Professor Liba Taub* (Cambridge: Whipple Museum of the History of Science, 2022).
- Boris Jardine & Joshua Nall (eds.), *Victorian Material Culture: Science and Medicine* (Abingdon: Routledge, 2022).
- 'Preliminary assessment of a pocket sundial excavated at Round Church St., Cambridge, in the summer of 2019', *Bulletin of the British Sundial Society* 34 (2022): 8-9.
- 'Transit Instruments', in Dániel Margócsy & Richard Staley (eds.), *The Mantis Shrimp: A Simon Schaffer Festschrift* (Cambridge: The Cambridge HPS Collective, 2022): 145-52.
- 'Silly Season', in Sadiya Qureshi and Sujit Sivasundaram (eds.), *Second in Transit: A Natural History of This Most Extraordinary Human as Told by Witnesses and as Secretly Told by the Editors* (Cambridge: Qureshi, Sivasundaram, & Co., 2022): 111-18.
- Review of: Thomás A. S. Haddad, *Maps of the Moon Lunar Cartography from the Seventeenth Century to the Space Age*, *Nuncius* 37 (2022): 234-36.

Talks

- 'Portable transit instruments and the 'American method' of longitude determination in late 19th-century India', XLI Symposium of the Scientific Instrument Commission, Athens, Sep. 2022.
- 'William Herschel and Georgian views on extra-terrestrial life', William Herschel at 200, Bath Royal Literary and Scientific Institution, Oct. 2022.
- 'Finding fakes in the Whipple Museum of the History of Science', *Provenienzforschung Technisches Kulturgut: Händler, Museen und Sammlungen*, Deutsches Optisches Museum, Jena, Mar. 2023.

Prizes

- With Boris Jardine and Liba Taub, I co-curated *Craftswomen: Uncovering Hidden Labour in the History of Science* in the Whipple Museum, which won the British Society for the History of Science's 2023 Exhibiting Excellence Prize (small exhibitions category).

Other things

- I started serving as an Associate Editor for *Historical Studies in the Natural Sciences*, and I continue to serve on the editorial board of the Brill book series 'Scientific Instruments and Collections'. I was also appointed deputy-Chair of the Cambridge Museums Steering Group.

Prof Richard Staley

This was the second year in which I spent the first two terms of the year in Cambridge and the second half of the year and summer largely in Copenhagen at the Department of Science Education and Niels Bohr Archive. My work for Making Climate History continued, in particular initiating a line of research on foraminifera that will contribute to several chapters in the collaborative volume we are writing on the construction of global temperature as the key climatic index. A good deal of my research effort was devoted to bringing a BJHS Themes issue on Histories of Artificial Intelligence: A Genealogy of Power to successful publication, including in particular numerous contributions from scholars from backgrounds in media, governance and activism without previous training in history.

I also developed an approach linking my work in histories of physics and anthropology by exploring circulation practices and knowledge economies across disciplines ('gift, gravity and gardens'), and published two papers extending earlier work on the co-creation of classical and modern physics to consider quantum mechanics, and offering a research overview linking history of science and physics education. The Anthropocene (climate histories) seminar and reading group held a successful series of meetings (often hybrid) with a mix of local and international speakers in Michaelmas and Lent; these were organised together with Harriet Mercer and Claire Oliver.

Publications

- "The Co-creation of Classical and Modern Physics and the Foundations of Quantum Mechanics," invited contribution to Olival Freire, Jr., Guido Bacciagaluppi, Olivier Darrigol, et al. eds. *Oxford Handbook of the History of Interpretations and Foundations of Quantum Mechanics* (Oxford: Oxford University Press, 2022), pp. 909-935.
- "Physics as a Human Endeavor," in M. F. Taşar and P. Heron, eds. *The International Handbook of Physics Education Research: Physics Education Research Special Topics* (Melville, NY: AIP Publishing, 2023), pp. 6-1-6-26.

Public lectures and engagement

- "Climate Change, Colonialism and its consequences," panel discussant with Daanish Mustafa, Cambridge Majlis, University of Cambridge, 16 October 2022.
- "A Fractured Earth - Global Failures and Greenwashing in the Fight Against the Climate Crisis," panel participant with Michael Scott and Sheldon J. Ungar (organisers) and others, *The Future of the Humanities and The Free Speech Project*, Georgetown University, 25 January 2023.
- "Albert Einstein," contributor to 999th episode of Melvyn Bragg's *In Our Time*, broadcast on BBC Radio 4, [Publications](#); 14 September 2023.

Guest lectures and scholarly papers

- "Open or Closed: Climate, AI, and Digital Data Across National Borders," Keynote address with Myesha Jemison, *Open World Conference 2022: Open Science and Global Dangers*, Copenhagen, 11 November 2022.
- "'All art is propaganda': W.E.B. Du Bois on the criteria of black art, and science," talk to Luminomelia student society, University of Cambridge, 29 November 2022.
- "Classics in the Making? Periods, Paradigms and Archives in the History of Physics and the Climate Sciences," Inaugural Lecture, Auditorium A, Niels Bohr Institute, University of Copenhagen, 31 March 2023.
- "Geopolitical relativities and the tensions between 'tribal' and national economy in Bronislaw Malinowski's early fieldwork and writing," talk in *Geographical Relativities* conference, sponsored by Royal Geographical Society (with the Institute of British Geographers), History and Philosophy of Geography Research Group, London, 14 April 2023.
- "Gift, Trade and Gravity: Circulation Practices and Knowledge Economies across Disciplinary Space and Time," keynote presentation to the *Gravitational Constant Workshop*, University of St. Andrews, 20-21 April 2023.
- "Gift, Trade and Gravity: Circulation Practices and Knowledge Economies across Disciplinary Space and Time," History and Philosophy of Science seminar, University of Melbourne, 20-21 April 2023.

- “Gravity, Gardens and Gift: Knowledge economies and Machian thought across disciplinary space and time,” contribution to Crossing the Disciplinary Boundaries of Physics, Bohr Centennial Conference (also on the conference organising committee), University of Copenhagen, 7-9 August 2023.
- “Motivation and Interpretation,” invited commentary in AIP Early-Career Conference for Historians of the Physical Sciences, Niels Bohr Archive, Copenhagen, 31 August-3 September 2023.

Prof Jacob Stegenga

Publications

- “Justifying Scientific Progress” *Philosophy of Science* 2023.
- “Sisyphean Science: Why Value-Freedom is Worth Pursuing” (with Tarun Menon), *European Journal for Philosophy of Science* 2023 13:48
- “The Difference-to-Inference Model for Values in Science” (with Tarun Menon), *Res Philosophica* 2023 100(4): 423-447
- “Sex Differences in Sexual Desire” *Philosophy of Science* 2022 89(5): 1094-1103
- “Conventional Choices in Outcome Measures Influence Meta-Analytic Results” (with Hamed Tabatabaei Ghomi) *Philosophy of Science* 2022 89(5): 949-959

Select Lectures

- “Causal Inference from Clinical Experience” (with Hamed Tabatabaei Ghomi), National University of Singapore
- “Norms of Scientific Assertion”, University of Geneva
- “Norms of Scientific Assertion”, Keynote Lecture, Values in Medicine, Science, and Technology Annual Conference, Dallas
- “Sisyphean Science: Why Value-Freedom is Worth Pursuing”, Keynote, Danish National Committee for the History and Philosophy of Science
- “Sisyphean Science: Why Value-Freedom is Worth Pursuing”, Wade Memorial Lecture, Saint Louis University
- “Fast Science”, University of Cologne Quarterly Lectures on Philosophy of Science
- “Fast Science”, University of Durham
- “Prize Praise and Prize from Priority”, Bielefeld University

Grants/Fellowships

- Senior Fellowship, Leibniz University Hannover
- AHRC-DFG Collaboration Grant

PRIZES

Willmoth Prize (Part II)

Best Performance on the Part II Dissertation

Matthew Holland

Bronowski Prize (Part II)

Best Performance on the HPS Part II Exams

Matthew Holland

Bronowski Prize (Part III)

Best Performance on the First Half
of the HPS Part III Course

Eleanor Brittain

Lipton Prize

Best Overall Performance in
the HPS Part III Course

Eleanor Brittain

Rausing Prize

Best Dissertation Performance in the
MPhil in History and Philosophy
of Science and Medicine

Melissa Altinsoy and Zhiyu Chén

Forrester Prize

Best performance on the
dissertation component of the
MPhil in Health, Medicine and Society

Michael Gasior

Jennifer Redhead Prize

Best Overall Performance in the Essay Component of
the MPhil in History and Philosophy of Science and
Medicine

Mika Hyman

Benyamin Habib Prize

Best Overall Performance in the Essay Component of
the MPhil in Health Medicine and Society

Charlotte Wade

Anita McConnell Prize

Outstanding Performance on an Essay or
Dissertation Based on an Object in the Whipple
Collection

Eleanor Brittain

External prizes

British Society for the History of Mathematics Undergraduate Essay Prize: **Eleanor Brittain**

Early Sciences and Medicine 2023 essay prize: **Zhiyu Chén**

Winifred Georgina Holgate-Pollard Memorial Prize 2023 - **Matthew Holland**

STUDENT STATISTICS

Student numbers

Part II HPS	29
Part II HPS single paper (Classics, History, HSPS, BBS & Philosophy)	39
Part II BBS HPS Major	9
Part II BBS: Philosophy and Ethics of Medicine	18
Part II BBS: Modern Medicine	5
Part II BBS: Early Medicine	4
Part III	16
HPSM MPhil	35
HMS MPhil	19
PhD	50

Degrees awarded

Part III	16
HPSM MPhil	35
HSM MPhil	19
PhD	50

ESSAY TITLES

Part II primary source essays

Does Evolutionary Theory Need a Rethink?

A cognitive values-based perspective of the Modern and Extended Evolutionary Synthesis programs

Constructive development and its role in the EES

Does the niche construction theory qualify as a 'distinct evolutionary process'?

Is the funding of the Extended Evolutionary Synthesis project a cause for concern?

COVID-19 Vaccination

A defence of the JCVI's prioritisation advice for COVID-19 vaccination in light of a plausible alternative

A defence of the JCVI's recommended prioritisation for the roll-out of the SARS-CoV-2 vaccination

An evaluation on the ethical framework behind JCVI's prioritisation advice

Tensions in the household: a feminist critique of assumptions in the JCVI's priority group recommendations

The JCVI's approach to uncertainty during the COVID-19 pandemic requires justification. Can it be justified?

Trust takes time: could the French government have learnt from the JCVI's response to links of thrombosis following AstraZeneca COVID-19 vaccine doses?

UK press coverage of the Oxford/AstraZeneca vaccine and associated thrombosis (clotting) events

Was the JCVI justified in ruling out a transmission strategy for COVID-19 vaccination?

Galileo, Two New Sciences

Dialogue Concerning the Two Chief World Systems: the Scientific Revolution and Galileo's empiricism

Galileo's 'hidden' revolution: extending Feyerabend's analysis of Galileo's Dialogue, and the connection between the mathematical and anamnesis

How far is Galileo's Dialogue demonstrative of his opposition to philosophy?

How is the search for the truth represented in Galileo's Dialogue?

Du Bois and The Souls of Black Folk

A historical assessment of Du Bois's understanding of Christianity and its influence upon the African American community of the USA

Historicising Du Bois: The Souls of Black Folk and the importance of communicative contexts

World Inequality Report 2022

What is the ideal of objectivity that the World Inequality Report 2022 tries to live up to?

Knowledges in Transit: Linnaeus's Laplandic Journey

An analysis of the political economy of the Iter Lapponicum

Children of darkness: co-operation in the production of knowledge during Linnaeus's study in northern Scandinavia

Dreadfully plagued by stomach frogs: an analysis of Smith's footnote to Linnaeus' Tour of Lapland (1811)

Exploring Linnaeus's attitudes towards the Sámi people through the lens of his observations about Sámi health and medical practices in Iter Lapponicum

How did Linnaeus use space to construct the Sami as 'the Other'?

'Why so fleet of foot?': Linnaeus' construction of the Sami in Iter Lapponicum

Medical Reports of the Chinese Imperial Maritime Customs Service

Picturing the human body in the IMCS Medical Reports

Rhetoric and reputation-building in Patrick Manson's medical reports to the Imperial Chinese Customs Gazette, 1871-83

Part II dissertation titles

Alcohol and pregnancy: a case study for inductive risk and epistemic paternalism

Approaching late medieval representations of animals

Are scientists responsible for the social ills caused as a result of standardised testing?

Commemorating the NHS in Wales

Consistency in books before the printing press

Could the multiverse exist and if it could, could we test the theories we outline?

Exploring how William Cowper's natural theology manifests in his anatomical writings and illustrations

Has science stagnated?

Have the harms of the contraceptive pill been systematically underestimated?

How can we know if dark matter is real?

Reductionism in the cognitive sciences

Representations of the female doctor in Britain in the late 19th and early 20th centuries

Structural realism and evolutionary theory

The British media coverage of the contraceptive pill in the 20th century

The ethics of fear-based messaging during the COVID-19 pandemic

The Frankfurt School, Heidegger and ecology

The Lenhossék-Apáthy debate on neuron theory

Therapeutic landscapes in John Armstrong's 'The Art of Preserving Health'

Understanding the hidden harms of hormonal contraception

Was Lucretius an Epicurean?

What are the issues of and overlaps between public health policy and climate change campaigns? Do these issues change when the two intersect?

Why can psychedelics be useful therapeutic tools?

Part II BBS dissertations

Challenging the inevitability of the angry teenager: the separation of culture and biology in explaining adolescent behaviour

Defining depression: a deflationist account

Ethical considerations of embryological research post the day 14 limit

Joseph Needham's photography and questions of objectivity during the bacteriological warfare allegations of the Korean War in 1952

Medical decision making in children and adolescents: ethical considerations

Responsibility and resources: should smoking history affect lung cancer resource allocation in the NHS?

The ethics of animal testing

The ethics of gamete-donor anonymity

Intersectionality and the injection: coverage of Depo-Provera in Black newspapers in the United States

The role of non-epistemic values in biomedicine

Part III essay & dissertation titles

Sameer Aiyar-Majeed

Pragmatism as a solution to the normative problem of AI alignment

Towards a pragmatist existential risk science

Dissertation: Legitimising effective altruism

Ellie Brittain

Wh.1754: the crossing of mathematics, religion and art

Unveiling the hidden: visualisations of venereal disease in British World War II posters

Dissertation: Greensick women in early modern England

Joe Chidwick

A new argument against conceptually analysing laws of nature

Does Brighouse's challenge threaten the prospects of sophisticated spacetime substantivalism?

Dissertation: How Wilson's 'Principle of Alignment' significantly improves modal realism's prospects

Freya Conlin

Does the moral status of the fetus matter for the ethics of communication with pregnant women?

The emergence of Locked-In Syndrome in Great Britain from the 1960s to the 2010s

Dissertation: From 'A Fantastic Proposal to Britain's Married Couples' to 'Master-Race Baby Storm': tracing the public perception of artificial insemination and sperm banking techniques in the British popular press throughout the 20th century

Karolina Filova

Bad friends forever? The possibility of (good) human-robot friendship

Conceptual engineering and psychiatry: two cases for broadening the concept of anorexia nervosa

Dissertation: Can people with depression experience aesthetically?

Erin Gerrity

A philosophical argument against the possibility of a technocratic response to the coronavirus pandemic

Out on a limb: a conceptual history of scientific prophecy in climate change debates

Dissertation: Reconciling scientific internationalism and scientific intelligence in and beyond the Cold War

Ruby Gray

Contextualising the introduction of 'emergency' hormonal contraceptives in early 21st-century Britain

Transcript, textbook, scrapbook: recovering Grace Chisholm Young's experience reading her copy of 'The Theory of Sets of Points'

Dissertation: Analogies of art and algology in Mary Merrifield's collection

Heidi He

British newspapers and the public debate about diet-induced heart disease, 1973-1980

Rice, Green Revolution and rural inequality in 1960s Sri Lanka

Dissertation: The solar photovoltaic industry between China and Germany, 2000-2013

Andrew Hunton

Policy, encyclopaedia, journalism: an exploration of the concept of neutrality

The many justifications of scientific pluralism

Dissertation: The epistemic role of thought experiments in the debate over theories of consciousness

Jamie Robertson

Philip Kitcher's 'Science, Truth, and Democracy' and moderate epistemic relativism

The aesthetics of AI-assisted scientific experiments

Dissertation: Autonomous weapons systems and prospective responsibility: a new approach to the responsibility gap problem

Heather Rowland

Feminist approaches to parental investment theory: three phases of critique

Helen Longino and the GenderSci Lab: towards a sophisticated, socially-grounded view of contextual empiricism

Dissertation: The looping effects of values

Michael Shao

'Mitochondrial replacement techniques', 'three-parent babies', and biological parenthood

Characterising and justifying fast science: the case of epidemiological modelling by Imperial College London during the early stage of the COVID-19 pandemic

Dissertation: Consent requirements and ethical issues surrounding the WHO's Malaria Vaccine Implementation Programme (MVIP) in Ghana, Kenya and Malawi, 2019-2023

Rebecca Siddall

Donald Duck's 'Family Planning': a study of Disney's population control propaganda in Latin America

'A militant - if thoroughly sentimental - feminism': gender and violence in British newspaper coverage of the 1980s

Greenham Common anti-nuclear protests

Dissertation: Rebranding Malthusianism: the Optimum Population Trust in the digital age, 2006-2016

Tammas Slater

Helmholtz's Ear: bones, tones and the pertinence of the middle ear to debates in physiology and aesthetics

What were they thinking? The Janus faces of Cambridge HPS

Dissertation: Music as scientific representation in the work of Edward Cowie

Tiffany Tsoi

Ignorance by design: omission and obfuscation surrounding the regulation of Google

The performativity of voluntary carbon markets

Dissertation: Colonialism is not a metaphor: datafication and China's Digital Silk Road in Africa

Emaan Ullah

Environmental determinism between Montesquieu and Kant: Adam Ferguson and the Scottish Enlightenment

On the economic botany of Jamaican ginger in the long 18th century

Dissertation: Towards a multidisciplinary, event-oriented Anthropocene

MPhil essay & dissertation titles

Aaron Abai

The making of a story: construction and popularization of the Ethiopian primary health care success narrative within global health, 2003–2018

Theory in practice: what human microbiome research tells us about the debate over holobiont individuality

Proceed, with caution: ethics of using race in vaginal microbiome research

Dissertation: Diversity as a 'resource': tracing the conceptualization of African genetic diversity across continental genome projects

Charlotte Adamo

And left thee hop without a head: visual representations of the evolution of cognition within Camille Flammarion's 'Le Monde avant la Création de l'Homme'

Deux faces d'un même objet: history of art and Charcot's nosology of hysteria

Self-evident truths? Epistemological barriers in human sexual conflict research

Dissertation: Function and dysfunction in evolutionary psychiatry

Meha Ahluwalia

Being autonomous: the under-appreciated challenges of patient decision-making

The distraction of anthropocentrism in AI explainability policymaking

Examining different accounts of trust in medical artificial intelligence

Dissertation: Whose art counts? Copyright for AI-generated works

Melissa Altinsoy

'Telle chose monstruese' ('such a monstrous thing'): kidney stones in the cabinet of Ambroise Paré

Uppgivenessyndrom (Resignation Syndrome): conceptualising socio-cultural specificities in psychiatric natural kinds

'Kara yara' ('black wound') in south-eastern Turkey: engineering chemical technology and biochemical landscapes in agricultural modernisation

Dissertation: The 1939 earthquake in Anatolia: a global and local struggle to construct the nation

Catrin Beynon

Assessing medical practitioners' engagements with the 'medical model critique' in late 20th-century Britain

How did the British scientific community interpret the origins of the 1984–1986 Ethiopian famine?

The botanist Pehr Kalm's writings on the North American continent and the insights these provide regarding cross-cultural exchanges between Indigenous people and European colonists

Dissertation: John Harries: a 19th-century magician, physician, and reader

Derek Braverman

Psychiatric insight and its justification

Animal models in neo-Kraepelinian psychiatry: from simulation to decomposition

On categorizing theories of the nature of health

Dissertation: Types, tokens and disease

Megan Briers

The value of women as observers in the 1870 solar eclipse expedition

'Interesting intellectual playthings for armchair ecologists'? Use and reception of Robert May's mathematical models

A network analysis study of early modern scientific instrument makers

Dissertation: The development of the Scottish scientific instrument trade and transferable skills in the Industrial Revolutions

Zhiyu Chen

'Thoughts that breathe and words that burn': gender, science and empire in the correspondence of women of the Morrison and Hobson families, 1823-1859

Spheres of status and suspicion: the 'English Globe', Roman Catholicism, and mathematical culture in Restoration England

Lost in translocation: Chinese sundials in British collections and teleological histories of science

Dissertation: Entangled imaginations: the Boxer Codex, colonial visions, and cross-cultural knowledge in the late-16th-century Western Pacific Rim

Cameron Dashwood

Emergent evidential standards in big vs small physics

Analogy, concept extension and quasiparticles

From parasites to prize winners: synchrotron radiation users and their changing relationship to the machine, 1947-2000

Dissertation: Entity emergence for structural realists

Derek Foster

Is the QALY ableist? A response to Schneider on health states worse than dead

What could neuroscience tell us about wellbeing?

Can capabilities be measured?

Dissertation: Is wellbeing symmetrical?

Sanjana Friedman

In defence of 'intellectual impostures': a historical investigation of connections between mathematics and the humanities in 20th-century France (1976-1998)

Context-dependent counterpart relations in set theory and modal semantics: a pragmatic challenge to realism about alternate models

The vitalism of Georges Canguilhem's scientific ideology

Dissertation: Claude Bernard's 'intraorganic teleology': a case study in late 19th-century science and nationalism

Rosemary Gatfield-Jeffries

Explaining Māori mortality in print: early 20th-century ethnographic ideas and the 1918 influenza pandemic in Aotearoa New Zealand

Representational injustice: Reference Man 1975 and the inclusion of historical causes in epistemic risk decisions

Robust to busted: menstrual synchrony, the variety of evidence thesis, and situated independence

Dissertation: (Ir)reconcilable definitions: promiscuous realism, anisogamy, and sex contextualism in biology

Katherine Hankin

Premenstrual dysphoric disorder and hoarding disorder: a comparative analysis

Challenging the choice model of addiction: epistemic and pragmatic considerations

The case for algorithmic epistemic injustice

Dissertation: The TikTok-ification of ADHD: an epistemically critical analysis of the virtual sickness community 'ADHDtok'

Yi Qing Millie Huang

A revised conceptual approach to deception in dementia care

Democritus and 'On the Art': seeing, knowing, and the epistemic value of the senses

To serve the people: the Maoist slogan and its influence on the health activism of the Black Panther Party

Dissertation: The echoed past and the embodied present: an ethical defence of the dementia village

Mika Hyman

A food for which gods? Carl Linnaeus (1707-1778) and the naming of *Theobroma cacao*

Conceiving sweetness: towards an understanding of taste experiences in the discovery and early development of sucralose

'If you tickle us, do we not laugh?': towards an understanding of laughter and tickling in the 16th century

Dissertation: Shifting boundaries: a study of William Heberden's (1710-1801) materia medica cabinet in St John's College, Cambridge

Francesca Joyce

Seeing is believing: nauscopy, the discovery of long-distance sight or 'one of these brilliant chimeras'?

Tatsuji Inouye's study of visual cortical injuries in war and engagements in transnational medicine

Ethics of clinical photography: the medical objectification of patients through clinical photography and its uses

Dissertation: Dissecting the aesthetic: the medical gaze, truth-to-nature and the neoclassical ideal in Joseph Maclise's anatomical illustrations

Felicity Mackenzie

Charles Lyell and the idea of 'reason'

Charles Darwin's moral theory in 'The Descent of Man': from a natural history of the 'moral sense' to a positive ethical statement

Peeling back 'the superstitious cloak' of tradition: natural history, political economy and religion in the travels of Frederic Hasselquist

Dissertation: Charles Lyell's principles of reform

Lian McCall

Patient autonomy: from the classical individualism to the significance of the 'other'

Reconstructing 'mental illness' in 17th-century England: Hannah Allen and her experience of melancholy

How significant was Antioch for the translation of scientific texts from Arabic to Latin between 1095 and 1268?

Dissertation: 'Away with All Pests': Joshua Horn's account of public health in the People's Republic of China

Tzvetan Todorov

Eliminative evidential pluralism and the debate about the credibility revolution in economics

Can functional value motivate Woodward's interventionist theory of causation?

Cosmological awe and the role of scientific knowledge in aesthetic experiences

Dissertation: The functional approach to causation

Matej Mosko

Cosmic Hylomorphism vs Super-Humeanism: the persistence of particles and the ontology of Bohmian mechanics

Ontological pluralism: neo-Aristotelianism or pragmatism?

Reconstructing the history of prime matter: from Averroes to Ockham

Dissertation: Traveling life-forms: a neo-Aristotelian account of the Many Worlds interpretation of quantum mechanics

Cerys Naden

Making sense of the medieval body: an analysis of National Library of Scotland's Borthwick Girdle Book and Wellcome's MS. 8004 Physician's Handbook

The 'promiscuity pill': how 'lifestyle' functions in the HIV epidemic

'Knowledge is power': menstrual tracking apps and the appropriation of feminist narratives

Dissertation: 'Be well skill'd in the Tools by which Nature doth her work': constructions of the hymen in 17th-century England

Ana Luiza Nicolae

Descartes the Aristotelian and multiple causation in the *Météores*

Operationalization and erasure of porosity in early American petroleum geology

A risk to be forgotten: induced seismicity and the evolution of Carbon Capture, Use and Sequestration projects

Dissertation; Hidden spaces beneath the earth (QNat. VI.16.4): the foundation and use of earthquake classifications in Greco-Roman thought

Jessica Recher

Hatching bodies: the myth of Mademoiselle Bihéron (1719–1795)

'Like beasts in the forest': Pierre Louis de Maupertuis's descriptions of the Sámi following the 1736–7 French geodesic mission to Lapland

The fault in our medical ethics: clinical equipoise in highly experimental clinical trials

Dissertation: Searching for Venus: blackness, beauty, and the body in mid-18th-century French scientific thought

Raquel Sequeira

Pick your poison: early modern medical theory in practice

Learning to let go: towards a pluralist pedagogy of energy

Living in the grey: uncertainty, expertise, and the case of judicial oversight of climate policy

Dissertation: Value-laden sciences as MacIntyrean practices: reframing the debate

Katherine Skingle

Radiography as women's work: British nurses and diagnostic X-rays in the First World War

Takeo Shimizu and the 'Schools' Cloud Chamber': research and pedagogy in the search to visualise atomic processes, from Cambridge to Tokyo

Ethics relating to the retention and display of human remains in medical museums: case studies at the Surgeons' Hall Museums, Edinburgh

Dissertation: Gender at the Manhattan Project: a historicised account of identity and epistemic injustice in physics

London Vallery

Herschels between hemispheres: the invocation of the Herschel family and the history of astronomy in the promotion of 21st-century Hindu nationalism

Resurrecting the Wakjya: the introduction of drone technology in the Standing Rock Lakota tribal community as a form of anti-colonial resistance

Sipping sassafras: how early ethnographic language shaped the decline and misunderstanding of Kouri Vini Traiteur practices

Dissertation: The Afronauts and the void: rediscovering the lost legacy of Zambia's 1964 mission to the Moon and the stories of its vanished Afronauts

Gabrielle Van Den Hoek

Luminal space: transluminal angioplasty in 20th-century surgical innovation and identity construction

'The Archeus pacified': iatrochemical theories of gastric digestion and latitudinarian solutions for the nation-state in 17th-century England

'Just a pinch': exploring the ethics of pain management strategies during outpatient gynecological biopsy procedures

Dissertation: 'Of the bones': visual representations of the female pelvis and the origins of pelvimetry in 18th-century midwifery

Isaac Wilkins

Grounding meaning in pragmatist interpretations of quantum mechanics

Beside the point: an interpretational approach to the hole argument

The experience matters: towards a skill-first understanding of psychedelic therapy

Dissertation: Normative quantum realism: a new Haugeland-scape for scientific realism

Fu Ge Yang

Tracing footsteps: the coloniality behind the 'pathologisation' of bound feet specimens in 19th-century Royal College of Surgeons London Museum

'Celebrating the guardians of crop diversity': the N.I. Vavilov Institute for Plant Genetics (VIR) and demarcation of plant genetics in the Russian Federation

Transtopia: medicalisation of transgenderism in late post-war Japan

Dissertation: Professionalisation through commerce: establishing jingshenxue as a legitimate psychiatric treatment in Republican China (1927-1937)

Yinzhu Yang

Can neuroscience help us determine the boundary between conscious and unconscious processing?

Evolution of modularity and the neural reuse theory

Reframing the problem of placebo effect

Dissertation: Reexamine cognitive taxonomy

Zie Cassandra Yang

Waddington's epigenetics and its Whiteheadian outlook

Constructive roles of set and setting in psychedelic therapy

Whitehead's ontology of growth - a pragmatic dissection

Dissertation: Lewontin revisited: 'experienced environment' in mediational niche construction

Jan Zebrowski

The evolution of altruism by multi-level selection and the false allure of pluralism

Robustness analysis as a procedure for determining difference-makers

Does the universality theory of explanation earn its keep?

Dissertation: Are all explanations in biology mechanical? Should they be?

An Zhu

A pragmatic approach to the problem of inconsistent models

Is the SE theory of function undermined by its limited explanatory role?

An evaluation of the applicability of rodent models to human sexual orientation

Dissertation: In what sense is evolvability adaptive?

Binjie Zou

Probability in classical statistical mechanics: the epistem-ontic interpretation

Scientific communication: rational distrust?

Is there a place for religious truth in William James' theory of truth?

Dissertation: Institutionalising epistemic virtues? We need to think twice

HMS MPhil essay & dissertation titles

Isabelle Bastian

Should Physicians Be Paternalistic and Require an Interpreter Regardless of Patient Preference?

'This essay will explore the origins of the term 'food desert.'

Dementia and Recognition of Personhood: Can People with Dementia Be Recognised?

Dissertation: Coming for the Food, Staying for the Conversation: Communication and Care in a Food Bank-Affiliated "Social Supermarket" in Cambridge

Ellen Bridson

Is the theoretical framework of 'three bodies' (Scheper-Hughes and Lock 1988) helpful in understanding the COVID-19 pandemic in Britain?

'How did women's periodicals in Britain engage with sanitary science and germ theories of disease in the years 1900-1914?'

Lawrence Lawn and a foetus: Historicising embryos and visual culture in 1960s and early 1970s Britain

Dissertation: Donn Casey and the Filshie clip: A biographical and material history of a contraceptive technology

Claire Catuogno-Cal

There is a fundamental tension between healthcare and healing. Discuss with reference to ethnographic examples.

What are some of the main concerns when studying death as part of the life course?

'We are all already cyborgs.' Discuss

Dissertation: The role of the practitioner in Peer-Supported Open Dialogue (POD); implications for contemporary understandings of therapeutic practice in the UK

Natasha Chugh

Parsons revisited: exploring an un-ideal model – pathways to patienthood for Black Americans with mental illness

An Investigation of Disparities in Community Outcomes Among Formerly Incarcerated Persons Post-HIV/AIDS Epidemic and Lessons for COVID-19 Pandemic Recovery

An Investigation of Disparities in Community Outcomes Among Formerly Incarcerated Persons Post-HIV/AIDS Epidemic and Lessons for COVID-19 Pandemic Recovery

Dissertation: Bangladeshi and Pakistani Immigrant Mothers' Cultural Feeding Practices & Infant Health Outcomes in East London – A Lifecourse Theory Perspective

Catrina Denton

Exploring the Materialities of 'Madness' in Thomas Willis' Seventeenth-Century Neurology

Evaluate the usefulness of exchange theory in understanding ethnographies of care

"Human extension transforms social landscapes." Discuss.

Dissertation: Acts and Relations of Care in an English Clinical Mortuary

Emma Donohue

Did early patients and practitioners have shared or competing understandings of HIV/AIDS during the AIDS epidemic in North America?

Strategies to be seen. How do women with Fibromyalgia seek recognition in their accounts of illness

Investigating the Boundaries of Human Identity: The Rise of the 'Cyborg Self'

Dissertation: Long COVID: An Empirical Exploration of Chronicity and Time Through a Medically Unprecedented Illness

Michael Gasior

Historically informed ethnography of contemporary autism treatment in France and its impact on patients; the role of psychoanalysis in treatment.

Buck v Bell and Skinner v Oklahoma: Medical authority and gender in American eugenics

Psychological theories of family dysfunction and socioeconomic stress as causes of child maltreatment, 1980–present: A sociological appraisal

Dissertation: Psychological theories of family dysfunction and socioeconomic stress as causes of child maltreatment, 1980–present: A sociological appraisal

Ariella Goldman

Managing Biomedicine: emotion, rationality and mortality

Sperm Wars: Episode 1 - The Partially Sex Reversed Alligators

Chronic Suffering and Organised Hope: Exploring the interactions between Christianity, biomedicine and Michel Foucault's technologies of the self

Dissertation: When the Explicit is Implicit: Narratives of Sexual Development Among Modern Orthodox Jewish Women

Ishani Gupta

'Virtual body' amidst COVID-19 - an engagement with the Scheper-Hughes' and Lock's framework of the 'three bodies'

Demanding Answers: The Press & Placing Birth Control in Inter-war Britain

Robots Lie' Just Like Us: Presenting Parameters for the Ethical Deployment of Robots in Care

Dissertation: An Ethnographic Analysis on Untold Narratives of Identity from the Queer South Asian Diaspora

Laura Hergenrother

An Exploration through "Subjectivity" and its Implications for Treatment Efficacy and Health Inequalities

"Becoming a Mother:" Reconsidering "Motherhood," Birth as an Event and the Biomedical Model of Childbirth

The Risks of Non-Normal: The UK's Campaign for normal birth and increased risk of morbidities for disadvantaged and vulnerable pregnant people

Dissertation: Barriers to Achieving Social Equality in Maternity Care in the United Kingdom: A Content Analysis

Li Lian Sarah Ho

Taking harm seriously in our accounts of disease.

Understanding notions of testimonial silencing using a case study of Women's testimonies of pelvic pain

A Framework for Solidarity in Digital Epidemiology

Dissertation: Pursuing certainty: exploring engagements with menstrual tracking amongst women with endometriosis and PMDD in the UK

Vasudha Kataruka

How the Sick Disappeared from their Physical Examinations

Biomedical Borders in the 1950s How the WHO and ILO Pioneered a Global System to Regulate Migrant Mobility

Genetic Testing Regulations in Singapore: Using Policy Diffusion to Explain How Singapore Balances Regional and Global Biomedical Relationships

Dissertation: SouthAsianTherapist: The rise of culturally-specific mental health advocacy and its's impact on therapeutic encounters of young South Asian migrants

Kathleen Li

Fuzzy-Trace Theory and Adolescent Medical Autonomy

New Technologies of Shared Motherhood: Connecting Co-IVF and MRT to Laura Mamo's Theories of Affinity Ties and Agency during Reproductive Biomedicalization

23andMe and Liminality: 23andMe's Navigation of DTC Genetic Test and Pharmacogenetic Test Regulation

Dissertation: Effect of existing kinship bonds on preferences regarding intrafamilial gamete donation and surrogacy

Cat Thi Ly

On Off-Label Prescription Drugs

I will research the anthropology of cancer and compare clinical decision-making between resource-rich clinical settings and clinical deserts.

On the Right to be screened for Cancer

Dissertation: Cancer and the Right to Care

Anya Murphy

Social And Mental Integration in Japanese Citizens with Schizophrenia

Major Greenwood's Contribution to Medical Statistics and Epidemiology in the Early-Twentieth Century

Agnology and Abortions in British India; The Complex Colonial Relationship of Ignorance and Knowledge

Dissertation: Where have you been? - The Liverpool School of Tropical Medicine's Domestic Defence Against Imported Diseases, 1946-1975

Sahar Seidl

Post-partum experiences - an exploratory study

A Bourdieusian analysis of the cultural framing of drinking practices in relation to social class

"Are encounters between individuals and institutions doomed to fail? Discuss.

Dissertation: What are factors affecting post-partum experiences?

Charlotte Wade

Is the distinction between biomedicine and alternative medicine useful?

Female Latin American Migrants Living at the Limits of Care

Diabetic Cyborgs: Enmeshments and Embodiments

Dissertation: Tracing the Threads of Health: Unveiling the Material Semiotics of Progression amidst Asylum Seekers' Migratory Journeys

Eleanor White

Medical Dismissal and Medical Limitation: Endometriosis and the Sick Role

The fetus: Sacrum of our time. How does Barbara Duden argue the fetus has become a 'sacralised' image and why does this matter politically?

Pursuing Sexual Normality: The Coital Imperative and heterosexual experiences of female sexual pain

Dissertation: The Lost Girls: The Experiences of Autistic Women

Sally Yan

From series to cycles: depictions of parasite development and transmission, c. 1898-1955

Unity in diversity: Portrayals of health work for minority nationalities in China Reconstructs, 1962 - 1965

Resolving the tension between clinician's duties to patients and public health in antimicrobial stewardship

Dissertation: Propaganda or Education? Posters of 1952 anti-germ warfare campaign of the patriotic hygiene movement

PhD theses

Lukas Beck: Why we need to talk about preferences: A federalist proposal

Charlotte Connelly: A history of Ohm's Law: Investigating the flow of electrical ideas through the instruments of their production

Zinhle Mncube: The prospects of personalising medicine

Raphael Scholl: Bridging the Gap Between Populations and Individuals in the Philosophy of Medicine

Elizabeth Ann Seger: Experts and AI Systems, Explanation and Trust

Hannah Tomczyk: Using mathematics in physics: a pragmatic approach

Bobby Vos: The Logical Structure of Scientific Knowledge-Systems

Jia Yu: Bowu and the Natural World in the formation of Modern China

The Whipple Library



Overview

2022-23 has been another busy year at the Whipple, but generally, with the pandemic restrictions receding into the rear-view mirror, it has been good to get back to something approaching 'business as usual'. The year, as always, has bought its changes, though.

In September we were sad to say goodbye to both Library Assistants for pastures new. James Livesey left to take up a position as Postgraduate Administrator in the History Faculty. James had been part-time Library Assistant and had been working as Health Medicine and Society Administrator in the Department since 2017, but his association with the Department goes back a lot further – all the way back to him taking IB in 2011. Raphaëlle Goyeau left to become Assistant Librarian at Clare College, a post she holds while also pursuing a PhD in The Origins and Development of the Cotton Library. Raphaëlle joined the library team in January 2021. Both James and Raphaëlle regularly went above and beyond in the course of their duties, and made exceptional contributions to the library during their time here. We wish them all the best in their future careers.

As Raphaëlle and James had moved on, the library was in the unenviable position of starting Michaelmas Term without any Library Assistants in post. Fortunately, we were able to recruit Christine Chang via the University's Temporary Employment Service, who, despite no previous library experience, was an astonishingly quick learner. She ensured that reading lists were checked and updated, and new material was catalogued in a speedy manner, so that we were able to offer an effective service throughout the beginning of the academic year.

Since James and Raphaëlle had left at the same time, there was an opportunity to combine their 0.6 and 0.4 FTE roles into a full-time post, and revise the role profile to more accurately reflect the duties and responsibilities of the postholder. Following a successful regrading exercise, the role was advertised as a full time Senior Library Assistant. After recruitment and interviews shortly before Christmas, we welcomed Laura Burgazzi as Senior Library Assistant in January 2023. Laura had previously worked in Special Collections at Kings College London and in Cambridge University Library. Laura has an HPS background, having been supervised by Lauren Kassell during her History MPhil. Laura really hit the ground running in January, and has been a fantastic addition to the team.

Between October and March, Jack completed the University Administrator Development Programme, a useful look at high level decision making and project management within the University.

Throughout Michaelmas term the usual library induction, information literacy, and Research Data Management sessions took place, and ad hoc user training on a one-to-one basis was offered as requested throughout the year.

The Science In Print Graduate Seminar series ran in an expanded format this year, running to 6 sessions across Michaelmas and Lent terms. Newly added sessions included a visit to the Needham Research Institute, lead by Mary

Brazelton and John Moffett, and a visit to the University Library's Manuscript Reading Room for a session on Middle Eastern Manuscripts lead by Yasmin Faghihi. The series remains popular and inspired some high-quality MPhil essays.

In Easter Term the University Library ran the bi-annual Library Survey, and we were gratified to receive several pieces of positive feedback:

"The Whipple library is amazing and [...] goes above and beyond to provide a friendly, welcoming environment and help me with all my research needs. I feel so at home there. The only downside whatsoever is that it can sometimes be hard to find a desk because people from other departments use it too. But I can't really blame them; it's just that great, friendly and helpful."

"The Whipple library staff are consistently helpful and approachable. They often go above and beyond to make me feel like study is fun and easier. The books stocked in the library are also excellent for HPS study."

"I am very impressed with the quick turn around times by the library services when I need to access some journal articles which my own student account does not have access to."

"Whipple library is just amazing, I have never found such a large collection of under-represented/understudied topics in the philosophy of science."

"The Whipple Library and its Staff are wonderful! And huge thanks also to the folks at the CUL who keep everything running, especially the Historical Printing Room."

All in all, a successful and busy year.

Staffing:

Librarian: Jack Dixon

Senior Library Assistant: Laura Burgazzi

Invigilators: Alex Van Dijk, Amelia Urry, Heather Rowland, Rhianna Elliot, Sheryl Wombell

Temporary Library Assistant: Christine Chang

Collections:

We have continued to grow the collections in response to research needs, reader requests, and reading list requirements. Altogether this year we added 498 items to the collection, broken down into the following areas:

- Main Library: 348
- Oversized: 22
- Reference: 49
- Reserve: 3
- Periodicals: 64
- Store: 10

The store items, as usual, offer exciting potential for original research, and enhance the collection's existing strengths. They are:

Wegener, Hans,	Bäume des deutschen Waldes : nach Carl Oelhafens von Schöllnbach berühmter "Abbildung der wilden Bäume, Stauden und Buschgewächse"	Leipzig	J J Weber	[1935]	STORE 185:45
Copp, Johann, 1487-1558,	Erklärung unnd gründtliche Underweysung alles nutztes, so in dem edlen Instrument Astrolabium genant, begriffen.	Augsburg	Ottmar	MDXXV [1525]	STORE 185:46
Ewing, Juliana Horatia, 1841-1885, author.	Jackanapes	London New York	Engraved and printed by Edmund Evans Racquet Court Fleet Street EC; E and JB Young and Co; Society for Promoting Christian Knowledge	1884.	STORE 185:42
Seward, A. C. 1863-1941, (Albert Charles),	John Ray : a biographical sketch written for the centenary of the Cambridge Ray Club and read, in part, at the dinner in the Hall of Trinity College on 16 March 1937	Cambridge	W Lewis MA at the University Press; Privately Printed	[1937]	STORE REF FILE 21:32

Stopes, Marie Carmichael, 1880-1958.	Married love : a new contribution to the solution of sex difficulties / 3rd edition	London	AC Fifield	1918.	STORE 223:35
Himes, Norman Edwin, 1899-1949	Medical history of contraception	Baltimore	The Williams & Wilkins Company	1936.	STORE 184:49
Leadbetter, Charles,	New tables of the motions of the planets, the fixed stars and the first satellite of Jupiter; declinations to every degree and minute of the ecliptic and to six degrees of north and south latitude of right and oblique ascensions, and logistical logarithms.	London	printed for J Wilcox at Virgil's Head over against the New Church in the Strand	MDCC XLII [1742]	STORE 185:43
Knight, William,	Outlines of botany : intended to accompany a series of practical demonstrations in that science given in Marischal College and University	Aberdeen	Printed by D Chalmers & Co printers to the University	MDCC CXXVII [1828]	STORE 185:44
Richardson, Martin,	Stopping time : the making of the 'H4' holograms at the Royal Observatory, Greenwich, 13th March 2008	[Place of publication not identified]	publisher not identified	[2008]	STORE 185:47
Torlais, Jean, 1897-	Un esprit encyclopédique en dehors de "l'Encyclopédie" : Réaumur, d'après des documents inédits.	Paris	Desclée de Brouwer et Cie; Desclée de Brouwer et cie	[1936]	STORE 184:50

The Whipple Museum



Image of Craftswomen, our award-winning exhibition

Introduction

This year has been the first full year as Director for Dr Joshua Nall – and it has been a busy one. The museum has produced an award-winning exhibition, *Craftswomen* (see above and below), undertaken a staffing restructure, tied up its 'Tools of Knowledge' research project, and continued its Collections Review – as well as dealing with a small flood in one of our storerooms. Thank you to all members of staff in the Museum and HPS Department who helped empty Store one b. A real chance to see our emergency plan in action!

We have had the pleasure of welcoming Louise McLaughlin, first as our Summer Intern and now as our temporary Collections Assistant, and said goodbye to Guey-Mei Hsu (now at our fellow University of Cambridge museum, MAA). We also thank Siu Pong Cheng and Annie Tomkins for their hard work as our Museum Attendants this year, and Ewan Wilson for his contribution as our Museum Experience Intern, funded by the University of Cambridge Museums Opening Doors Project.

Collections Review

The main focus of our Collections Manager's year has been continuing our multi-year Collections Review. This is a major project, involving an object-by-object assessment of our accessioned collection and 'T-numbers'. Each object must be audited and its documentation compliant with 'Spectrum' standards, as well as a brief assessment of its teaching, research and relevance to our institution. This will feed into future storage and disposal plans.

This year around 1,300 objects have been audited and reviewed.

Exhibitions

Craftswomen: Uncovering Hidden Labour in the History of Science

In 2023, we were extremely proud to win the British Society for the History of Science small exhibition prize for *Craftswomen: Uncovering Hidden Labour in the History of Science*, a four-case display in the Main Gallery that opened in the summer of 2022. As the BSHS website notes, “The BSHS judges were particularly impressed by the way the exhibition knitted history of science scholarship into the content of the exhibition; foregrounding the stories of women instrument makers through objects and interpretation.”

In response, the exhibition’s curators, Boris Jardine, Joshua Nall, and Liba Taub, wrote: “It is a huge honour to receive the BSHS Exhibiting Excellence Prize. The Whipple Museum has always aimed to make scholarly research accessible to a broad public audience, and it’s fantastic to receive this recognition from our peers. We thank our colleagues in the Museum, our numerous collaborators, and most of all the scholars whose work made our recovery of hidden labour possible—especially Gloria Clifton, Jane Desborough and Alison Morrison-Low.”

Craftswomen explores the work of women in the British instrument trade between the 17th and 19th centuries. It exposes the often unseen work of the ‘craftswomen’ who made instruments for measuring, modelling, and investigating the world.

The exhibition was also a significant output of the AHRC-funded project ‘Tools of Knowledge: Modelling the Creative Communities of the Scientific Instrument Trade, 1550–1914’. This major interdisciplinary research project was led by the Whipple in partnership with the University of Sussex, National Museums Scotland, Royal Museums Greenwich (RMG), and the Science Museum Group (SMG). Working with data on more than 10,000 instrument-makers from the 16th to early 20th centuries, the project used innovative digital humanities techniques to augment, remodel, and analyse this data.

Bug Off!

What do you think are the biggest threats to museum collections? Perhaps cat burglars or curators with butter fingers? In reality there is a constant risk from something tiny, formidable and all around us – pests!

This year, our Summer Intern, Louise McLaughlin, put together a case and trail on an important part of collections management!

Harry Godwin

Sir Harry Godwin (1901–85) was a pioneer of the field of quaternary research, which is the study of the rocks, plants and animals during the geological time period spanning from 2 ½ million years ago to today. It’s an important field for understanding the impact that humans are having on the environment.

In February 2023, the Department of Geography donated a small collection of objects associated with Sir Harry Godwin and used at the Sub-department of Quaternary Research. Our Museum Experience Intern, Ewan Wilson, curated a case using these new acquisitions.

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, and lecture-demonstration classes on instruments, models, and collections are specifically offered for the Part III and MPhil programmes. Students have the opportunity to work with the Museum's collection as part of their studies and every year a number of undergraduates and postgraduate theses have been undertaken on objects.

Student Essays and Theses

- Katherine Skingle, MPhil essay: 'Takeo Shimizu and the 'Schools' Cloud Chamber: Research and pedagogy in the search to visualise atomic processes, from Cambridge to Tokyo'.
- Zhiyu Chen, MPhil essay: 'Spheres of status and suspicion: The 'English Globe', Roman Catholicism, and mathematical culture in Restoration England'.
- Zhiyu Chen, MPhil essay: 'Lost in translocation: Chinese sundials in British collections and teleological histories of science'.
- Eleanor Brittain, Pt III Research Paper: 'Wh.1754: The crossing of mathematics, religion and art'.
- Tammas Slater, Pt III Research Paper: 'Helmholtz's Ear: Bones, tones and the pertinence of the middle ear to debates in physiology and aesthetics'.

Staff Research

- Joshua Nall, James Hyslop, and Boris Jardine (eds.), *Materials for the History of Science: A Whipple Museum Festschrift to Celebrate the Directorship of Professor Liba Taub* (Cambridge: Whipple Museum of the History of Science, 2022).
- Boris Jardine and Joshua Nall (eds.), *Victorian Material Culture: Science and Medicine* (Abingdon: Routledge, 2022).
- Joshua Nall, 'Preliminary assessment of a pocket sundial excavated at Round Church St., Cambridge, in the summer of 2019', *Bulletin of the British Sundial Society*, Vol. 34 (no. 2, 2022): 8-9.
- Joshua Nall, 'Transit Instruments', in Dániel Margócsy & Richard Staley (eds.), *The Mantis Shrimp: A Simon Schaffer Festschrift* (Cambridge: The Cambridge HPS Collective, 2022), pp.145-52.
- Joshua Nall, 'Silly Season', in Sadiya Qureshi and Sujit Sivasundaram (eds.), *Second in Transit: A Natural History of This Most Extraordinary Human as Told by Witnesses and as Secretly Told by the Editors* (Cambridge: Qureshi, Sivasundaram, & Co., 2022), pp. 111-18.

Formal and lifelong learning

The last academic year was very successful, with the Museum welcoming over 4,000 education visitors at the Museum, at their own groups and schools, or online. Highlights have included a revamped Twilight at the Museums, careers events in partnership with Form the Future, a Power Walk event, and several events for college schools liaison groups. We worked closely with other museums on:

- the "Power and Memory" project
- the Cambridge Festival at the end of March,
- the Portals programme for people living with dementia,
- Opening Doors Project work with unaccompanied child refugees at CRC
- and a professional development MA course for educators

The volunteer programme continues to attract around 10 new volunteers each month and we are working on remote projects as well as welcoming volunteers for events and activities at the Museum. We had a good summer and a very successful October half term, revamping some aspects of the schools programme and creating (thanks to intern Louise) a brilliant bugs trail around the Museum which has been very popular with children.

As we would expect, online interactions are tailing off now that people can get to the Museum again. We've also seen a rise in outreach requests as the cost-of-living crisis means that schools are unable to afford transport to the Museum. We continue to try and offer more opportunities for people to visit at the weekend.

The Learning Coordinator job is now secure until March 2026. To build on this success, we have created a learning strategy for the next three years aiming to work up to 5,000 education visitors each year, create and maintain partnerships inside and outside the university, work more closely with the department and continue to provide CPD for the Learning Coordinator.

Staff News

This year saw the restructuring of the Museum's staffing. Of particular note is the increased management responsibility of the Assistant Curator, the consolidation of the Exhibition and Project coordinator role into an Operations Manager, and the upgrade of the Museum Attendant role into a Visitor Services Assistant.

The revamped job roles are as below:

Museum Director: Dr Joshua Nall
Assistant Curator: TBA
Collections Manager: Morgan Bell
Operations Manager: Steve Kruse
Learning Coordinator: Alison Giles
Visitor Services Assistant: TBA

Loans

Young V&A Museum

Japan: Myths to Manga

Wh.5617: 11-inch manuscript celestial globe, Edo period, Japanese, 1784

Keswick Museum

Explorations and Experiments: Early Scientific Discoveries in the Lakes

Wh.0502: brass altazimuth theodolite, fitted with inverting telescope, by J. Sisson, English, 1740 (c)

Wh.3781: dip circle, by Thomas Charles Robinson, English, c. 1830

Parker Library, Corpus Christi College

Anchorless Bodies: Navigating Arabic in Medieval Manuscripts

Wh.1263: planispheric astrolabe, with rete, six plates, alidade, rule and horse, Italian, late 15th Century, with some parts likely modern

Wh.2354: planispheric astrolabe, by Ahmad b. Umar al-Jilani, Islamic, 1526

Whipple Library,

Learning 'That Incomparable Art' in 'The Most Famous and Ancient Metropolis' Or, Practical Mathematics and its Audience in Restoration London

Wh.2316: pair of aide-memoires for assisting with problems of spherical trigonometry, two brass discs with volvelles, tentatively attributed to John Seller, English, c. 1700

Wh.3955: Napier's bones, by Harriet Wynter, English, 1991

Black Atlantic: Power, People, Resistance

The Fitzwilliam Museum

Wh.1081: sextant, by Edward Nairne, English, 1770 (c)

Wh.2581: chronometer, in gimbal and fitted box, by Robert Molyneux, English, 1828

Wh.2691: 14-inch terrestrial globe by Robert Morden, William Berry and Philip Lea, London, 1690

New acquisitions

Wh.6759

three boxes of 2-inch square glass slides used by Professor Harry Godwin for lecturing on quaternary research, English, mid- to late 20th Century

Wh.6760

printing plate for an horary quadrant, by Richard Collin, Belgian, 1674 (c), mounted in a book-form case, 20th Century (c)

Wh.6761

Kater magnetic compass, by Thomas Jones, English, 1820 (c)

Wh.6762

book, Dissections Illustrated: A Graphic Handbook for students of Human Anatomy, by C. Gordon Brodie, English, 1892

Wh.6763

hand-drawn zoological teaching diagram showing the Lucernaridae (a type of jellyfish or medusa) with cross-sections, used in the Department of Zoology at the University of Cambridge, English, early 20th Century

Wh.6764

manuscript, lecture on the sublime science of astronomy, by William Thomas Pinck, English, 1862

Wh.6765

simple sliding microtome, attributed to Robert Fulcher, English, late 19th Century

Wh.6766

sliding microtome, by Rudolf Jung, German, 1870s

Wh.6767

3D card models demonstrating crystal structure, with accompanying leaflet, given to Dr. Pamington by Mr. Brighton, designed and drawn by Frank Smithson, published by Thomas Murby and Company, English, 1928

Wh.6768

box of slides that belonged to entomologist Dr. Colin G. Johnson, English, 20th to 21st Century

Wh.6769

folio trade catalogue, by Francesco Baillou, Italian, 1740 (c)

Wh.6770

magnifying stereoscope binocular in wooden case, from Tjeerd Hendrik Van Andel, Department of Geology, Stanford University, by Fairchild Aviation Corporation, U.S.A., 1940s

Wh.6771

HP25 Applications Programs electronic pocket calculator in leather case, with handbook and quick reference guide, by Hewlett-Packard, Singaporean, 1975

Wh.6772

set of 26 mathematical models, geometric solids or shapes, in a box, Italian [attributed]

Wh.6773

two cabinets of glass slides (mostly plants and animals), English, mid- to late 29th Century

Wh.6774

four cabinets containing drawers of glass slides, English

Wh.6775

Wilson-type screw barrel microscope, recovered from wreck of East Indiaman Hartwell (wreck 1787), English, 1745 (c)

Wh.6776

Otis King's Patent Calculator Model K, cylindrical slide rule, which belonged to Professor Sir Richard Stone, by Carbic Ltd., mid-20th Century

Wh.6777

brass protractor, by Beilby, English, 1815 (c)

Wh.6778

'Message Authentication Computer' (MAC) (with related ephemera), by Squarezone, English, 1991

Wh.6779

print, advertisement for George Adams' New Sea Quadrant, English, 1748

Wh.6780

pocket electronic calculator "Gillette GPA", by Sinclair, English, 1974

Wh.6781

electronic pocket calculator TI-1020, by Texas Instruments, Taiwanese, 1980

Wh.6782

"Money Manager" electronic pocket calculator, by Squarezone, English, 1991

Wh.6783

pollen counter, custom-made for Harry Godwin, English, mid-20th Century

Wh.6784

pipe T-piece mould, NC-machined in the Engineering Department at the University of Cambridge as an undergraduate project, with associated paper work, by G. T. Houlby and M. E. Napier, English, 1970s

Wh.6785

Photomicroscope I, or Phomi (Harry Godwin's best) with automatic exposure device, by Carl Zeiss, German, 1955-1960

Wh.6786

microscope, used by Harry Godwin, by Ernst Leitz, German, mid-20th Century

Wh.6787

print, hand-coloured watercolour etching, 'March of Intellect', by William Heath, published by T. McLean, English, 1829

Wh.6788

microscope, used by Harry Godwin, by Ernst Leitz, German, mid-20th Century

Wh.6789

Abbe refractometer used by Andrew Huxley, by Hilger and Watts Ltd., English, 1948

Wh.6790

filing cabinet containing 370 catalogue cards for zoological teaching diagrams used at the Department of Zoology, English, 20th Century

Wh.6791

MicroWell-10, or single-mode microwave device for chemistry experiments, by Labwell AB, Swedish, 1994

Wh.6792

borer, used by Sir Harry Godwin, mid-20th Century

Wh.6793

comparator bridges for microscopes, used by Harry Godwin, by Ernst Leitz, German, mid-20th Century

Wh.6794

pocket compass dial / sundial, with list of 'New World' Carribean, Central and South American city latitudes, Spanish, 1560 (c)

Wh.6795

proto-steampunk card game, 'The Age of Invention', published by D. Carvalho, English, 1833-37

Wh.6796

direct current voltmeter, type B.M.S, which belonged to Francis Leslie Freeland (1905-1995) who worked at Elliott Brothers during the Second World War in a reserved occupation, by Air Ministry, English, 1940