

Wednesday, June 22 (AM)

09:00-09:30	<i>Welcome and opening remarks by Rachel Ankeny, Sabina Leonelli, and John Dupré [LT – Lecture Theatre]</i>					
09:30-11:00	<p style="text-align: center;">Philip Kitcher: Can we save democracy and the planet, too?</p>					
11:00-11:30	<i>Coffee break</i>					
11:30-13:00	<p><i>Cognitive sciences I [2.6]</i></p> <p><i>Chair: Alison Wylie</i></p>	<p><i>Economics [2.5]</i></p> <p><i>Chair: Michiru Nagatsu</i></p>	<p><i>S1. Philosophical dimensions of response shift [2.4]</i></p> <p><i>Chair: Justin Biddle</i></p>		<p><i>S2. Interdisciplinary exchanges as the object of philosophical inquiry [2.1]</i></p> <p><i>Chair: Marcel Boumans</i></p>	<p><i>S3. Operationalism in the life sciences [LT]</i></p> <p><i>Chair & commentator: Uljana Feest</i></p>
	<p>Robyn Bluhm: “Neural context” and the localization of cognitive functions</p>	<p>François Claveau: From general claims to specific policies: Disambiguating causal claims for unemployment policy</p>	<p>David Wasserman & Jerome Bickenbach: Different approaches to subjective well-being and the response shift</p>		<p>Uskali Mäki: Biological markets and interdisciplinarity</p>	<p>Staffan Müller-Wille: The gene — A concept in flux</p>
	<p>Elizabeth Potter: Collaborative experimental practices</p>	<p>Andrej Svorencik & Harro Maas: Seneca to witness: Experiences with a witness seminar on experimental economics</p>	<p>Marjan Westerman: The struggle behind “I’m alright” — Where health science meets philosophy: The measurement of quality of life and response shift</p>		<p>Caterina Marchionni: Playing with networks: How economists explain</p>	<p>Mathias Grote: Operationalizing reactivity — The “purple membrane” from cellular structure to nanotechnology</p>
	<p>Mazviita Chirumuuta & Mark Paterson: Extending, changing and explaining the brain. Neuroplasticity and the case of tactile-visual sensory substitution</p>	<p>Davide Rizza: Interpretation and modelling strategies in economics: The case of Sen’s theorem</p>	<p>Leah McClimans: A philosophical explanation of response shift</p>		<p>Till Grüne-Yanoff: Intertemporal discounting in psychology and economics</p>	<p>Pierre-Olivier Méthot: Virulence: An operational concept?</p>
13:00-14:00	<i>Lunch</i>					

Wednesday, June 22 (PM)

14:00-15:30	<i>Cognitive sciences II [2.6]</i> Chair: Aleksandra Sojic	<i>Ethical and legal issues in biomedicine [2.5]</i> Chair: Susan Hawthorne	<i>Interdisciplinarity [2.4]</i> Chair: Wybo Houkes	<i>Experimental practices II [2.3]</i> Chair: Jo Donaghy	<i>Scientific integrity [2.1]</i> Chair: Henk de Regt	<i>S4. Methodological pluralism [LT]</i> Chair: John Dupré
	Hajo Greif: Engineering minds. The tools and uses of artificial intelligence	Cecilia Guastadisegni & Flavio D'Abramo: Cancer molecular biomarkers: Epistemological and ethical controversies	Sophia Efstathiou: Bridging science: Ensuring success in cross-disciplinary science	Léna Soler <i>et al.</i> : Calibration in daily scientific practices: A conceptual framework	Janet A Kourany: Freedom of research and the public good	Hasok Chang: Chemical atomism: Progress through pluralism
	Michiru Nagatsu: Towards practical pluralism: A case of neuroeconomics	Kirstin Borgerson: Useless, repetitive, and secretive? Assessing the scientific validity of clinical trials	Henrik Thorén & Johannes Persson: Three kinds of interdisciplinary relations	Mieke Boon: 'Same conditions—same effects' as a regulative principle in experimental practices	Jeff Kochan: The limits of scientific integrity in practice	Miriam Solomon: Evidence-based medicine and mechanistic reasoning in the case of cystic fibrosis
	Cyrille Imbert: Computational science and human understanding: The role and logic of scientific sketches	Delene Engelbrecht: The patenting of biological artefacts. Naturalness and artificiality in practice	Raoul Gervais: Making sense of interdisciplinary explanations: A pragmatic approach	Jutta Schickore: The nature and roles of methods accounts in experimental reports		Alison Wylie: A plurality of pluralisms: Collaborative practice in archaeology
15:30-16:00	<i>Coffee break</i>					
16:00-17:00	<i>Plenary panel discussion chaired by Rachel Ankeny</i>					
	John Dupré, with comments from Hasok Chang and Alison Wylie: How do we study science in practice?					
17:00-18:00	<i>SPSP business meeting (all welcome)</i>					

Thursday, June 23 (AM)

09:30-11:00		<i>Experts and publics [2.5]</i> <i>Chair: Janet Stemwedel</i>	<i>Evolution [2.6]</i> <i>Chair: Till Grüne-Yanoff</i>	<i>Representation [2.3]</i> <i>Chair: Adam Toon</i>	<i>Philosophy of science in practice [2.1]</i> <i>Chair: Mieke Boon</i>	<i>S5. The Social organization of research and the flow of scientific information [LT]</i> <i>Chair: Annamaria Carusi</i>
		Holly VandeWall: Expertise and the disunity of science: The epistemic difficulties of providing expert advice for policy	Jean-Sébastien Bolduc: Adaptationism, beyond controversies and into the fabric of scientific reasoning	Demetris Portides: Scientific representation, denotation, and explanatory power	Leen De Vreese, Jeroen Van Bouwel & Erik Weber: A pragmatic turn for general philosophy of science	Justin Biddle: Intellectual property and the sharing of scientific information
		Susann Wagenknecht: Joint group knowledge — Justification in esoteric and exoteric contexts	Tudor M Baetu: How contingent is evolution? Mechanistic constraints on evolutionary outcomes	Nicola Mößner: The relevance of scientific visualizations — or why words are not enough	Dana Tulodziecki: Towards an epistemology of scientific practice	Bryce Huebner & Rebecca Kukla: Making an author: Epistemic accountability and distributed responsibility
			Armin Schulz: Selection, drift, and independent contrasts: Defending the conceptual and methodological foundations of the method of independent contrasts	Laura Nuño de la Rosa: 3D modeling, organicism and mechanical explanation in contemporary developmental biology and evo-devo		Torsten Wilholt: Methodological standards, research communities, and the social diffusion of trustworthiness
11:00-11:30	<i>Coffee Break</i>					
11:30-13:00	<i>Plenary session chaired by Hasok Chang</i> Bernadette Bensaude-Vincent: The disciplinary models of synthetic biology					
13:00-14:00	<i>Lunch</i>					

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14:00-15:30	<i>Bias in medicine [2.6]</i> <i>Chair: Rachel Ankeny</i>	<i>Objectivity and consensus [2.5]</i> <i>Chair: Jonathan Y Tsou</i>		<i>Explanation [2.3]</i> <i>Chair: Armin Schulz</i>	<i>S6. Representative practices [2.1]</i> <i>Chair: Harro Maas</i>	<i>S7. Forms of iterativity in scientific practice [LT]</i> <i>Chair & commentator: Hasok Chang</i>
	David Teira Serrano: Debiasing rules in medical experiments	Laszlo Kosolovsky: Aspiring consensus in scientific practice: Grasping consensus driven motivations by introducing a continuum ranging from consensus conferences to meta-analysis		Andrea Woody: A functional account of scientific explanation	Isabelle Charmantier: A naturalist's visualizations: Carl Linnaeus (1707-1778) and his representative practices	Kevin C Elliott: Epistemic and methodological iterativity in nanoscale science and technology
	Jan De Winter: How to make the research agenda in the health sciences less distorted	Inmaculada de Melo-Martín & Kristen Intemann: Scientific dissent, objectivity, and public policy		Julia Bursten: Why chemical explanations are unlike biological or physical explanations	Silvia De Bianchi: The aims of representative practices: Symmetry as a case-study	Maureen A O'Malley: The dynamics of scientific practice: Integration and iterativity in molecular life sciences
	Miguel García-Sancho: What does the circulation of protein sequencing tell us about the history and philosophy of contemporary biomedicine?	Henk W de Regt: Objectivity and scientific understanding		Łukasz Lamża: Identity of indiscernibles in the real world: Between the quantum and the classical	Annamaria Carusi: Representation and validation in cardiac modelling	Orkun S Soyer: Hunter-gatherers in scientific practice
15:30-16:00	<i>Coffee break</i>					
16:00-17:30	<i>Mathematical practices [2.6]</i> <i>Chair: Julia Bursten</i>	<i>Technoscience in the workplace [2.5]</i> <i>Chair: Thorsten Wilholt</i>	<i>Modelling [2.4]</i> <i>Chair: Wolfgang Pietsch</i>	<i>Grouping practices [2.3]</i> <i>Chair: Emma Tobin</i>	<i>Exploratory experimentation [2.1]</i> <i>Chair: Joseph Rouse</i>	<i>S8. Philosophical and social perspectives on synthetic biology [LT]</i> <i>Chair: Bernadette Bensaude-Vincent</i>
	Andrew Aberdein: Explanation and argument in mathematical practice	Karen Kastenhofer: The interdisciplinarity culture of the new technosciences			Alfred Nordmann: Ian Hacking as philosopher of scientific practice: <i>Representing and intervening</i> revisited	Axel Gelfert: Synthetic biology as thing knowledge
	Helen De Cruz & Johan De Smedt: Cognitive limitations, distributed cognition, and mathematical practice: The case of Chinese algebra	Endla Lõhkivi, Katrin Velbaum & Jaana Eigi: Scientific styles, identities and workplace cultures: A case study on the cultures of physics and humanities	Alan C Love: Modeling experimental evidence from the practices of developmental biology	Thomas AC Reydon: Bridging a theory-practice gap: What can kind essentialism contribute to understanding classificatory practices in biology?	Stephan Güttinger: The nature of exploratory experimentation in the life sciences	Gabriele Gramelsberger: The simulation approach
		Farzad Mahootian: A systems approach to self-reflexive science: preliminary findings from laboratory engagement studies	Christian Hennig: Some thoughts on statistical models and reality	Miles MacLeod: Kinds, natural kinds, and grouping practices in research contexts	Sara Green: Experiments as question-generating machines — Epistemology of mathematical modelling in biology	Tarja Knuutila & Andrea Loettgers: Synthetic biology and the functional meaning of noise
19:00-	<i>Conference dinner at the Imperial pub</i>					

Friday, June 24 (AM)

09:30-11:00		<i>Building science [2.5]</i> <i>Chair: Axel Gelfert</i>	<i>Mechanisms [2.4]</i> <i>Chair: Nathalie Gontier</i>	<i>Models and fictions [2.3]</i> <i>Chair: Alan C Love</i>	<i>Ontology and practice [2.1]</i> <i>Chair: Marcel Boumans</i>	<i>S9. Investigating practical impacts of descriptive categories [LT]</i> <i>Chair: Hasok Chang</i>
		Vanessa Gorley: Putting together the pieces: Building science from local labs	Gry Oftedal: The roles of difference-making and causal mechanisms in biology: Examples from classical genetics, molecular biology and systems biology	Adam Toon: Playing with molecules	Isaac Record: Technological possibility as a condition for epistemic possibility	Brendan Clarke: Classifications of melanoma Katie Kendig: Classification and complementary science
		Stephen D John: Is medical research more like building a house or more like hitting a nail?	Juan B Bengoetxea: Scientific explanation, mechanisms and pluralist realism	Stéphanie Ruphy: Do computer simulations constitute a new style of scientific reasoning?	James A Overton: Informatics, philosophy, and ontology	Emma Tobin: Biomolecular classification
		Susan CC Hawthorne: Good* research on gender differences in mental health	Veli-Pekka Parkkinen: Genetic causation and mechanism explanation	Ann-Sophie Barwich: Science and fiction: On the reference of models	Joseph Rouse: Laws and nomological necessity in scientific practice	
11:00-11:30	<i>Coffee break</i>					
11:30-13:00	<i>Evidence and decision-making [2.6]</i> <i>Chair: François Claveau</i>	<i>Consciousness [2.5]</i> <i>Chair: Ann-Sophie Barwich</i>	<i>Genes, cells and individuals [2.4]</i> <i>Chair: Mathias Grote</i>	<i>Analogical reasoning [2.3]</i> <i>Chair: Andrew Aberdein</i>	<i>Applied philosophy of science [2.1]</i> <i>Chair: Sabina Leonelli</i>	<i>S10. Philosophy of psychiatry in practice: Steps towards an adequate theory of psychiatric classification [LT]</i> <i>Chair: Brendan Clarke</i>
	Heather Douglas: Weight of evidence analysis in practice	Michelle Maiese: Scientific inquiry and essentially embodied cognition	Jo Donaghy: Learning from microbiology: Are all individuals evolving?	Wolfgang Pietsch: The neglect of analogy	Michael D Dahnke & H Michael Dreher: Teaching philosophy of science to doctor of nursing practice students	Jonathan Y Tsou: Intervention, causal reasoning, and the reality of entities in psychiatry: Pharmacological drugs as experimental instruments in neurobiological research on mental disorders
	Sharon Crasnow: Informed policy and purposive case selection	Elizabeth Irvine: The role of scientific practise in eliminativist claims: A case study of consciousness	Jordan Bartol: Personalized genomics as a testing ground for theorizing about genes	Andrea Sullivan-Clarke: Analogical reasoning in scientific practice: The problem of ingrained analogy	Janet D Stemwedel: Breaking the codes: How philosophers might best help scientists with responsible conduct of research	Lara K Kutschenko: ICD vs. DSM: Two classifications in practice, two perspectives on psychiatry
	Keith Hyams: Climate change and carbon rationing	Babu Thaliath: The nature of spatial intuitions in early modern mechanics and optics	Melinda B Fagan: Waddington redux: Models of cell reprogramming	Shaul Katzir: Reasoning by concrete imagined cases in science and its relation to thought experiments	Michael O'Rourke & Justin Horn: Better science through philosophy: The story of the Toolbox Project	Kathryn Tabb: Psychiatry and the natural kinds debate: Let's get practical

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13:00-14:00	<i>Lunch</i>					
14:00-15:30	<i>Social sciences [2.6]</i> <i>Chair: Pierre-Olivier Méthot</i>	<i>Cultural evolution [2.5]</i> <i>Chair: Laura Nuño de la Rosa</i>	<i>Scientific discipline and norms [2.4]</i> <i>Chair: Andrea Woody</i>	<i>Semantics and pragmatics [2.3]</i> <i>Chair: Hajo Greif</i>	<i>Progress [2.1]</i> <i>Chair: Staffan Müller-Wille</i>	<i>S11. Computers in scientific practice [LT]</i> <i>Chair: Sabina Leonelli</i>
	Alexandre Guay: The non-impact of sociophysics	Wybo Houkes: Extending Darwinism to culture: Population thinking or natural selection? Towards a practice(s)-based view	Ian J Kidd: A role for epistemic virtues in archaeological practice? The case of 'epistemic beneficence'	Boaz Miller: Knowledge and values: The argument from necessity for sensitive invariantism	Amy L McLaughlin: Pragmatic significance, demarcation, and scientific progress	Julie Jebeile: One computer simulation, two conceptual universes Vincent Israel-Jost: Simulated data and empiricism
	María Jiménez-Buedo: Experiments in the social sciences: Rethinking the Hawthorne effect	Nathalie Gontier: Towards an overarching methodology to study the evolution of language: Identifying the units, levels and mechanisms of language evolution	Dunja Šešelja & Erik Weber: Continental drift debate and the context of pursuit	Hyundeuk Cheon: The three-dimensional metainformation theory of scientific concepts	Moti Mizrahi: The scientific practice of assessing progress	
			Rachel A Ankeny, Kathryn Maxson & Robert M Cook-Deegan: Examining the history and implications of the 'Bermuda Principles' for data sharing	Lucía Lewowicz: The term phlogiston and the notion of failure to refer — Towards a pragmatic theory of reference for scientific terms.		
15:30-16:00	<i>Coffee break</i>					
16:00-17:30	<i>Plenary session chaired by Andrea Woody</i> Sandra Mitchell: Integrative pluralism: The case of protein folding					
17:30-17:45	<i>Closing remarks by Hasok Chang</i>					