
British Society for the Philosophy of Science
Annual Conference Programme

University of Exeter

6–8 July 2022



Wednesday 6th July 2022

Time	Session	Details
10.30 – 11.30	BSPS AGM	Matrix lecture Theatre <i>All BSPS members</i>
11:00	Registration desk opens	Henderson Lecture Theatre Lobby area
11.30 – 12.30	Executive Committee Meeting	Matrix lecture Theatre <i>Executive committee only</i>
12.30 – 14.00	Grad Student Workshop	Matrix lecture Theatre Sophie Viegli: <i>Diversity & Inclusion</i> Adrian Currie: <i>Publishing</i> Kirsten Walsh: <i>Jobs</i>
14.00 – 15.00	Meet the BJPS Editors	Matrix lecture Theatre Beth Hannon (Deputy Editor, BJPS) Wendy Parker (Co-Editor in Chief, BJPS) Robert Rupert (Co-Editor in Chief, BJPS)
15.00 – 15.30	Tea/Coffee	La Touche
15.30 – 16.00	Welcome	Henderson Lecture Theatre
16.00 – 17.30	Presidential Address	Henderson Lecture Theatre Rachel Cooper <i>Disorder in the Philosophy of Medicine</i> Chair: Adrian Currie
17.30 – 19.00	Drinks Reception Sponsored by Chicago Press	La Touche

Thursday 7th July 2022

Time	Session	Details				
09.00 – 09.30	Tea/Coffee	Xfi Study area				
	Registration desk opens					
09.30 – 11.00	Parallel Sessions 1	Henderson Lecture theatre	Xfi conference Room 1	Xfi conference room 2	Xfi seminar room A	Xfi Seminar room B
		<i>Symposium: On the use of racial categories in medicine across geographic and national contexts</i>	<i>Symposium: Aetiology of the Replication Crisis</i>	<i>Symposium: Comparative Cognitive Archaeology</i>	<i>Symposium: New Mechanism and Alternative Causal Concepts in Biology: Processes and Pathways</i>	Chair: Barbara Osimani
		Chair: Azita Chellappoo	Chair: Sam Fletcher	Chair: Ross Pain	Chair: Tim Lewens	Lorenzo Spagnesi
		Speakers: David Ludwig Joanna Malinowska Zinhle Mncube Phila Msimang*	Speakers: Edouard Machery Sophia Crüwell Felipe Romero*	Speakers: Adrian Currie Marta Halina Anton Killin Andra Meneganzin	Speakers: Olesya Bondarenko Tyler Brunet John Dupre	<i>Regulative Idealization: A Kantian Approach to Idealized Models</i>
						Kabir Bakshi
						<i>Against Indirect Confirmation</i>
11.00 – 11.30	Tea/Coffee	Xfi Study area				

* Online presentation

11.30 – 13.00	Parallel Sessions 2	Henderson Lecture theatre	Xfi conference Room 1	Xfi conference room 2	Xfi seminar room A	Xfi Seminar Room B
		<p><i>Symposium: Understanding Causal Inference</i></p> <p>Chair: Ina Jantgen</p> <p>Speakers: David Papineau Thomas Blanchard Toby Friend</p>	<p>Chair: Joanna Malinowska</p> <p>Lukas Christian Steinbrink <i>Social Science Denialism</i></p> <p>Morgan Thompson <i>Characterizing and Measuring Racial Discrimination in Public Health Research</i></p> <p>Ryan McCoy <i>The Role of Local Knowledge in Understanding Climate Change</i></p>	<p>Chair: Adrian Currie</p> <p>Javier Suárez and Adrian Stencil <i>The Major Transitions in Coercion: A radical approach to the origins of the biological hierarchy</i></p> <p>Cecily Whiteley <i>Two Approaches to the Science of Sleep Experience</i></p> <p>Rachael Brown <i>Gradualism as a constraint on theorising in comparative and evolutionary psychology</i></p>	<p>Chair: Rune Nyrup</p> <p>George Britten-Neish <i>Isomorphic vs. non-Isomorphic Styles of Subpersonal Explanation: Migraine Aura Phenomenology</i></p> <p>Ross Pain <i>Stone Tools, Predictive Processing, and the Evolution of Language</i></p> <p>Raphael Aybar <i>Hypothetical and Targetless Modeling in Cognitive Science: The cases of the Action Observation Network Model and the Agent-Environment Coupled System model</i></p>	<p>Chair:</p> <p>Ittay Nissan-Rozen and Amir Liron <i>Triangulation, Incommensurability, and Conditionalization</i></p> <p>Aaron Wells <i>Du Châtelet on Newton's Rules for Reasoning in Natural Philosophy</i></p> <p>Monika Piotrowska* <i>A Depressed Mouse Is a Depressed Mouse: A Critique of the Commitment to Standardization in Behavioral Neuroscience</i></p>
13.00 – 14.00	Lunch	Xfi Study area				

14.00 – 15.30	Parallel Sessions 3	Henderson Lecture theatre	Xfi conference Room 1	Xfi conference room 2	Xfi seminar room A	Xfi Seminar Room B
		Chair: Davide Serpico	Chair: Ina Jantgen	Chair: Stephan Guttinger	Chair: Raphael Aybar	Chair: Bryan Roberts
		Tomasz Żuradzki <i>Embryo-like structures, value-loaded metaphysics of science, and regulation of biomedical research</i>	Uzma Malik <i>Batterman's minimal models: uniting global and local understanding.</i>	Alexander Geddes <i>Biological Individuality and Pluralism</i>	Matthias Ackermann <i>Towards causal counterfactual storylines---or: should you be a Bayesian about climate information?</i>	Russell Meyer <i>An Explanatory Taste For Mechanisms</i>
		Nicholas Makins <i>Doctors, patient, and risk attitudes</i>	Sofia Blanco Sequeiros <i>Discordant Evidence, Evidential Reasoning, and Scientific Practice</i>	José Antonio Pérez Escobar <i>Deflating mathematical difference making in biology: hexagons, honeycomb cells and grid cells</i>	Alexander Gebharder and Barbara Osimani <i>Analogical inference Bayesian style 2.0</i>	Adán Sus <i>Symmetries, the Helmholtz-Lie-Weyl theorem and Earman's principles</i>
		Teemu Lari <i>Longino's Critical Contextual Empiricism and the feminist criticism of mainstream economics</i>	Nicholas Emmerson <i>It Ain't That Deep: Metaphysics and the Problem of Progress</i>		Matteo Michelini <i>Epistemic Vigilance as a Driver of the Emergence of Truthful Communication -- an Agent-based modelling approach</i>	Francisco Calderón* <i>The Causal Axioms of Algebraic Quantum Field Theory: A Diagnostic</i>

15.30 – 16.00 Tea/Coffee

Xfi Study area

16.00 – 17.30

Plenary

Henderson Lecture Theatre

Chair: Kirsten Walsh

* Online presentation

Mary Morgan
Narrative Science

18.30 – 20.30 Conference
Dinner **Brew Dog**

Friday 8th July 2022

Time	Session	Details	
09.00 – 09.30	Tea/Coffee	Xfi Study area	
09.30 – 11.00	Panel Discussion	<p>Henderson Lecture Theatre</p> <p><i>Open Science</i></p> <p>Chair: Richard Pettigrew</p> <p>Panellists: Paolo Castano Rodriguez Bryan Roberts Rose Trappes</p>	
11.00 – 11.30	Tea/Coffee	Xfi Study area	(Rabbit Vegan Cakes sponsored by UCalgary Press)

* Online presentation

11.30 – 13.00	Parallel Sessions 4	Henderson Lecture theatre	Xfi conference Room 1	Xfi conference room 2	Xfi seminar room A	Xfi Seminar Room B
		<i>Symposium: Feminist Philosophy of Biology Beyond Gender</i>	<i>Symposium: Function in the light of frequency-dependent selection</i>	<i>Symposium: Assisted Discoveries, Understanding and the Aims of Science</i>	<i>Symposium: Quantum Probability Beyond Quantum Measurement</i>	<i>The Rise of Basal Cognition and its Relevance for the Mind and Brain Sciences</i>
		Chair: Morgan Thompson	Chair: Ross Pain	Chair: Rune Nyrup	Chair:	Chair: Raphael Aybar
		Speakers: Azita Chellappoo Saana Jukola David Lambert Tamar Schneider Sophie Viegl	Speakers: Samir Okasha Tim Lewens Jonathan Birch	Speakers: Mike Stuart Rune Nyrup	Speakers: Jean Baccelli Sam Fletcher Ben Feintzeig Jer Steeger	Speakers: David Harrison Urte Laukaiyte Taylor Beck Wiktor Rorot
13.00 – 14.00	Lunch	Xfi Study area				
14.00 – 15.30	Parallel Sessions 5	Henderson Lecture theatre	Xfi conference Room 1	Xfi conference room 2	Xfi seminar room A	Xfi Seminar Room B
		Chair:	Chair: David Papineau	Chair: Stephan Guttinger	Chair: Raphael Aybar	Chair: Kabir Bakshi
		Maren Bräutigam <i>On the qualitative identity of similar fermions: orthodoxy versus heterodoxy</i>	Sean Muller <i>On the Nature and Purpose of Peer Review</i>	Judyth Sassoon <i>What is a plesiosaur?</i>	Luis G. Lopez <i>Understanding with Deep Neural Networks</i>	Neil Dewar* <i>Intrinsic quantum mechanics</i>
		Rawad El Skaf and Patricia Palacios	Kåre Letrud and Svein Åge Kjøs Johnsen	Dana Tulodziecki, David Marshall Porterfield and Colin P.S. Kruse	Davide Coraci* and Gustavo Cevolani <i>Probability, Confirmation, and Reverse Inference in</i>	Rasmus Jaksland and Kian Salimkhani <i>The many problems of spacetime emergence in quantum gravity</i>

* Online presentation

<i>What Can We Learn (and not learn) from Thought Experiments in Black Hole Thermodynamics?</i>	<i>Do we agree on the essentials? Surveying philosophers' paradigms of pseudoscience</i>	<i>Experimental control, validation, and replicability in omics research</i>	<i>Cognitive Neuroscience</i>	İ. Ufuk Taşdan, Bryan W. Roberts and Karim P. Y. Thebault
Vera Matarese <i>The epistemic status of atmospheric retrieval models in exoplanetary science</i>	Adrià Segarra <i>A Hybrid Theory of Induction</i>	Farhan Lakhany <i>Evolution & Experience</i>	Mariusz Maziarz and Davide Serpico <i>N-of-1 Studies as a Valuable Source of Evidence for Precision Medicine</i>	<i>Spacetime Conventionalism Revisited</i>

15.30 – 16.00	Tea/Coffee	Xfi Study area				
16.00 – 17.30	Parallel Sessions 6	Henderson Lecture theatre	Xfi conference Room 1	Xfi conference room 2	Xfi seminar room A	Xfi Seminar Room B
		<i>Symposium: Exploring the senses of exploration in experimental neuroscience</i>	Chair: Nicholas Makins	Chair: Morgan Thompson	<i>Symposium: Reliability in science: how is it established, and how is it lost?</i>	Chair: Kabir Bakshi
		Chair:	Richard D. Sung* and Bennett Holman <i>Against evidentiary pluralism in medicine</i>	Hannah Hillgardt <i>The democratic legitimacy of particular interests in science</i>	Chair: Seán Muller	Bixin Guo* <i>Two Approaches to Reduction: A Case Study from Statistical Mechanics</i>
		Speakers: David Colaco Jacqueline Sullivan* Pamela Rienagel Philipp Haueis	Arjun Devanesan <i>Immunology and pregnancy- a reply to Pradeu</i>	Katherine Furman <i>Objective Activist Social Research</i>	Kirsten Walsh Stephan Guttinger Peter Vickers	Marta Bielinska <i>Testing spacetime orientability</i>
			Ina Jäntgen	Karl Landström		Alexander Franklin <i>Incoherent? No, Just Decoherent: How</i>

* Online presentation

*How to measure
effect sizes for
rational decision-
making: the
dominance of
absolute outcome
measures*

*Research funding as
domination:
Epistemic Freedom
and Resistance*

*Quantum Many
Worlds Emerge*
