

# British Society for the Philosophy of Science Annual Conference 2021

programme (07.07.21)

*Times in the programme are UK times (British Summer Time = GMT+1 = UTC+1)*

## Tuesday 6th July: Pre-Conference Events

Time	Session	Details
12pm – 1pm	AGM	<i>All BSPS members</i>
1pm – 3.30pm	Executive Committee Meeting	<i>Executive committee only</i>
3pm – 4pm	Stories, Experiences & Advice: Finishing the PhD	Panel: Azita Chellappoo, Caspar Jacobs, and Lucy Osler <b>Room 2</b>
4.30pm – 5.30pm	Stories, Experiences & Advice: After the PhD	Panel: Jessica Laimann, Karoliina Pulkkinen, and James Read. <b>Room 2</b>
6pm – 7.30pm	Meet the BJPS Editors	Wendy Parker, Rob Rupert, Beth Hannon <b>Room 1</b>

## Wednesday 7th July

Time	Session (Track)	Room 1
2pm – 2.30pm	Welcome BSPS President Alexander Bird	

2.30pm – 4pm	Parallel Sessions 1: Symposia
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Room 1
Chair: Karoliina Pulkkinen Sarah Hijmans; <i>Analogy and Unity</i> Pieter Thyssen; <i>in Chemical</i> Alexander Franklin; <i>Ontology</i> Vanessa Seifert

Room 3
Chair: Genco Guralp Alastair Wilson; <i>Dependence in</i> Katie Robertson; <i>Physics</i> Michael Townsen Hicks

Room 2
Chair: Anneli Jefferson Sahanika <i>Conceptual and</i> Ratnayake; <i>Evidential Issues in</i> Riana Betzler; <i>Contemporary</i> Hannah Blythe <i>Psychotherapy</i>

Room 4
Chair: Mike Stuart Noelia Iranzo Ribera; <i>Fictions in</i> Nick Wiggershaus; <i>Science and</i> Sam Rijken <i>Metaphysics</i>

Room 5
Chair: Andre Curtis-Trudel Florian Boge; <i>Models in Particle</i> Martin King; <i>Physics: Three</i> Niels Martens <i>Challenges to</i> <i>Realism</i>

4pm – 4.30pm	Coffee Break
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4.30pm – 6pm	Parallel Sessions 2: Papers
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<b>Room 1</b>	
Chair: Conrad Heilmann	
Johanna Thoma	<i>On the Possibility of an Anti-Paternalist Behavioural Welfare Economics</i>
John Greenwood	<i>Durkheim's Dogma</i>
Christopher Clarke	<i>How does process tracing work in political science?</i>

<b>Room 2</b>	
Chair: Gabe Dupre	
Anneli Jefferson	<i>How not to use the hardware/software distinction in philosophy of psychiatry</i>
Michael Bruckner	<i>Extended or Embodied? Questioning a Conventional Alliance in Cognitive Science</i>
Viktoriiia Kononova	<i>Interoceptive fear: A cognitive architecture</i>

<b>Room 3</b>	
Chair: Azita Chellappoo	
Brandon Tinklenerg	<i>Imitation and Animal Culture: A Critical Appraisal of the 'Zone of Latent Solutions' Hypothesis</i>
Olesya Bondarenko	<i>Carving the Social Environment at Genetic Joints</i>

Shaun Stanley	<i>Cultural Evolutionary Theory</i>
	<i>moved to Room 3, 6.30 pm on Friday</i>

<b>Room 4</b>	
Chair: Sophie Juliane Veigl	
Aaron Kenna	<i>In partial defence of the value-free ideal of science</i>
Karoliina Pulkkinen	<i>Could scientific representations help to cultivate epistemic humility?</i>
Matteo De Benedetto and Michele Luchetti	<i>A dynamic model of theory choice: epistemic values as environmental niches</i>

<b>Room 5</b>	
Chair: Kirsten Walsh	
Dana Jalobeanu	<i>Experimenting with artificial life: Francis Bacon's Historia de animato et inanimato</i>
Areins Pelayo	<i>Was Newton a Probabilist?</i>
Bobby Vos	<i>Integrated HPS? Formal versus Historical Approaches to Philosophy of Science</i>

6pm – 7.30pm	Plenary 1	Chair: Adrian Currie	<b>Room 1</b>
		Speaker: Sabina Leonelli	<i>Data and the Quest for Facts: Empirical Knowledge in the Age of Big and Open Data</i>

7.30 – 8.00pm	BSPS Open book series	Bryan Roberts and David Teira	Gathertown
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## Thursday 8th July

Time	Session (Track)
12pm – 1.30pm	Special Interest Lunch
<b>Room 3</b>	Women in philosophy (chair: Kirsten Walsh)
2pm – 3.30pm	Presidential Address Chair: Rachel Cooper <b>Room 1</b> Speaker: Alexander Bird <i>Against Empiricism</i>
3.30pm – 4pm	Coffee Break
4pm – 5.30pm	Parallel Sessions 3: Symposia

Room 1
Chair: Melissa Vergara Fernández Catherine Herfeld; <i>Model Transfer in Science</i> Wybo Houkes; Tarja Knuuttila; Andrea Loettgers; Dunja Seselja

Room 3
Chair: Samuel Fletcher Neil Dewar; <i>SU(n) Surplusage: Symmetry, Gauge, and Equivalence</i> John Dougherty; Henrique Gomes; Tushar Menon; Sarita Rosenstock

Room 2
Chair: Richard Lohse Mathias Frisch; <i>Scientific Experts and the Pressures of Pandemic Policy Advice</i> Katherine Furman; Axel Gelfert; Stephen John; Marion Vorms

Room 4
Chair: Viktoriia Kononova David Colaco; <i>What We Have Learned about Memory (and What Remains to be Learned)</i> Ali Boyle; Michael Levin; Sarah Robins

Room 5
Chair: Michele Luchetti Silvia Ivani; <i>Epistemic Diversity and Argumentative Practices in Science</i> Caglar Dede; Merel Talbi; Roosmarijn van Woerden; Elias Anttila

5.30pm – 6pm	Coffee Break
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**Room 1**

Chair: Bobby Vos

Ameer Sarwar	<i>Causal Specificity, Functional Mappings, and Bijective Functions Against Prohibition (Or, When Using Ordinal Scales to Compare Groups is OK)</i>
Cristian Larroulet Philippi	
Javier Belastegui	<i>Kant's Duality Principle for Kinds</i>

**Room 3**

Chair: Dana Jalobeanu

Lorenzo Lorenzetti	<i>Wave Function Realism vis-à-vis Functional Reduction</i>
Christian J. Feldbacher-Escamilla and Alexander Gebharter	<i>Unification and Explanation: A causal perspective</i>
Stavros Ioannidis	<i>Reconsidering multi-level mechanistic explanation</i>

**Room 2**

Chair: Areins Pelayo

Federica Bocchi	<i>The Influence of Processual Ontology and Deep Time Literacy on Conservation: the case of the Kruger National Park</i>
Marina Baldissera, Suraje Dessai, Seamus Bradley and David A. Stainforth	<i>Evaluating the quality of model-based regional climate information: the case of the UK Climate Projections 2018</i>
Mark Boespflug	<i>Faith in Science? Belief and Skepticism in Climate Change Reconsidered</i>

**Room 4**

Chair: Liz Irvine

Gabe Dupre	<i>The What and the Why of Representation</i>
Louise Daoust	<i>Representationalism, Size Perception, and the Challenge from Deep Fovea</i>
Marko Jurjako	<i>The explanatory limits of predictive processing: self-deception and the personal/subpersonal distinction</i>

**Room 5**

Chair: Olesya Bondarenko

Azita Chellappoo	<i>Can a microbiome be 'obesogenic'?</i>
Mauricio Suárez	<i>The Complex Nexus of Evolutionary Fitness</i>
Zdenka Brzović; Predrag Šustar	<i>Transitional Functionality of Genomic Segments: From Stochasticity to Robustness</i>

## Friday 9 July

Time	Session (Track)
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12pm – 1.30pm	Special Interest Lunch
<b>Room 2</b>	The future of online events (chair: Bobby Vos)

2pm – 3.30pm	Parallel Sessions 5: Papers & Symposia
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Room 1	
Chair: Matt Farr	
Eugene Y. S. Chua	<i>Degeneration and Entropy</i>
Andre Curtis-Trudel	<i>The (Non)Problem of Simultaneous Implementation</i>
Genco Guralp	<i>Probing New Physics in Experimental Cosmology: Evidence Amalgamation, Discordance, and Robustness</i>

Room 2	
Chair: Johannes Findl	
Charles Beasley	<i>Replication pluralism</i>
Chiara Lisciandra	<i>Domain-specific explanatory norms and interdisciplinary collaboration</i>
Paweł Jarnicki and Hajo Greif	<i>The Aristotle Experience and the Genesis of the Kuhnian Revolution</i>

Room 3	
Chair: Alexander Bird	
<i>Symposium</i>	
Jon Williamson;	<i>Evidential pluralism</i>
Michael Wilde;	<i>and Causality in the</i>
William Levack-Payne;	<i>Special Sciences</i>
Yafeng Shan;	
Samuel D. Taylor	

Room 4	
Chair: Cristian López	
<i>Symposium</i>	
Guy Hetzroni;	<i>Symmetry</i>
Caspar Jacobs;	<i>Principles</i>
Sebastian Murgueitio Ramirez;	
James Read	

Room 5	
Chair: Johanna Thoma	
<i>Symposium</i>	
Milena Ivanova;	<i>The Aesthetics</i>
Alice Murphy;	<i>of Scientific</i>
Sophie Ritson;	<i>Experiments</i>
Helen De Cruz	

3.30pm – 4pm	Coffee Break
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4pm – 5.30pm

Parallel Sessions 6: Papers

### Room 1

Chair: James Read

- Matt Farr *What's so special about initial conditions?*
- Antonio Vassallo and Pedro Naranjo *Time and change in pure shape dynamics*
- Laurie Letertre *Causal nonseparability and its implications for spatiotemporal relations*

### Room 2

Chair: Zdenka Brzovic

- Alexander Geddes *The Limits of Immunology: Pradeu on Organisms and Organismic Parthood*
- François Pellet *Evidence-Based Medicine, the COVID-19 Pandemic, and the Metaphysics of Causation*
- Martin Zach *Epistemic roles of similarity considerations in mouse models of cancer*

### Room 3

Chair: Christopher Clarke

- Jennifer Jhun *Reasoning with multiple models in economics*
- Melissa Vergara Fernández; Conrad Heilmann; Marta Szymanowska *On model diversity: The CAPM*
- Johannes Findl; Javier Suárez *Prediction, understanding and COVID-19: Early epidemiological models of COVID-19 shed light on the relationship between prediction and understanding*

### Room 4

Chair: Mark Boespflu

- Alfonso García-Lapeña *Truthlikeness for Probabilistic Laws*
- Kabir Bakshi *Better Than The Better Best?*
- Donal Khosrowi *Extrapolating Causal Effects - Where Is Our Theory of Confidence?*

### Room 5

Chair: Louise Daoust

- Charles Rathkopf *On the empirical content of deep neural networks*
- David Barack *Computation with Neural Manifolds*  
*(3<sup>rd</sup> talk cancelled)*

5.30pm – 6.00pm

Coffee Break

**Room 1**

Chair: Antonio Vassallo

- Samuel Fletcher *Physical Computation and Landauer's Principle*
- Colin McCullough-Benner *Mathematical rigor and scientific understanding*
- Cristian López *Against Symmetry Fundamentalism, in Defense of Symmetry Deflationism*

**Room 2**

Chair: Hajo Greif

- Callum Duguid *Metalaws in Biology*
- Michael Stuart *Pragmatic Understanding Can Do on Its Own*
- Themistoklis Pantazakos *Perceptual Pluralism and Theory-Ladenness of Observation*

**Room 3**

Chair: Donal Khosrowi

- Cristina Sagrafena *The Old Evidence Problem in the Inference to the Best Explanation*
- Shaun Stanley *Cultural Evolutionary Theory and the Difficulties of Inferring Microevolutionary processes from Macroevolutionary Patterns*
- Conrad Heilmann; Marta Szymanowska; Melissa Vergara Fernández *Testing concerns about financial economics*

**Room 4**

Chair: Aaron Kenna

- Benjamin Chin-Yee *On the Uses and Abuses of Biomarkers in Genomic Medicine*
- Sophie Juliane Veigl *Feminist Philosophy of Immunology Phase 2 – Avoiding Taxonomic Chauvinism*
- talk cancelled*

**Room 5**

Chair: David Barack

- Davide Coraci; Gustavo Cevolani *Reverse Inference and Bayesian Confirmation in Cognitive Neuroscience*
- Elizabeth Irvine *Back to basics: Prediction and predictive processes*
- Nina Poth *Unifying predictive cognition*