

SPSP 2018

The 7th biennial conference of the
Society for Philosophy of Science in Practice

30 June – 2 July, 2018
Ghent University, Belgium

<http://www.spsp2018.ugent.be/>

FRIDAY 29 JUNE

9:45 – 17:00 Pre-conference workshop
18:00 – 20:00 Registration
Pre-conference informal gathering

SATURDAY 30 JUNE

8:15 – 9:00 Registration
8:50 – 9:00 Opening session: Welcome
9:00 – 10:10 Plenary Lecture 1
10:10 – 10:30 Coffee Break
10:30 – 12:00 Concurrent Sessions 1A – 1G
12:00 – 13:30 Lunch
Poster session
13:30 – 15:30 Concurrent Sessions 2A – 2F
15:30 – 16:00 Coffee Break
16:00 – 17:30 Concurrent Sessions 3A – 3F

SUNDAY 1 JULY

9:00 – 11:00 Concurrent Sessions 4A – 4F
11:00 – 11:30 Coffee Break
Poster session
Plenary Lecture 2
12:40 – 14:00 Lunch
Philosophy of Medicine Networking Lunch
14:00 – 16:00 Concurrent Sessions 5A – 5F
16:00 – 16:30 Coffee Break
Poster session
16:30 – 17:40 Plenary Lecture 3
19:30 – 22:00 Conference dinner

MONDAY 2 JULY

9:00 – 11:00 Concurrent Sessions 6A – 6F
11:00 – 11:30 Coffee Break
11:30 – 12:40 Plenary Lecture 4
12:40 – 14:00 Lunch
Newsletter meeting
14:00 – 15:30 Concurrent Sessions 7A – 7F
15:45 – 16:30 Closing session

FRIDAY 29 JUNE

Pre-conference workshop on 'THE USE OF CASE STUDIES AND EXAMPLES IN THE PHILOSOPHY OF SCIENCE'

Location: Nick Ervinck room, Zebrastraat events centre.

Map: <http://www.zebrastraat.be/contact.html>

09:45 – 10:00 Introduction

10:00 –11:00

Lecture 1
Phyllis Illari (University College London)
Examples and Methodological Questions for Philosophy of Science

11:00 – 11:15 Coffee break

11:15 –12:15

Roundtable: junior researchers in philosophy of science share their experiences with the use of case studies and examples
Chair: Emma Tobin (University College London)
Participants: Hernan Bobadilla, Nora Boyd, Julie Mennes & Jan Potters

12:15 – 13:30 Lunch break

13:30 –14:30

Lecture 2
Rachel Ankeny (University of Adelaide)
Choosing, Using, and Re-Using Case Studies in the Biomedical Sciences: Epistemological Considerations Relating to Typicality and Atypicality

14:30 – 14:45 Coffee break

14:45 –15:45

Roundtable: senior researchers in philosophy of science share their experiences with the use of case studies and examples

Chair: Phyllis Illari (University College London)

Participants: Gemma Anderson, Mary Morgan, Dunja Šešelja & Emma Tobin

15:45 – 16:00

Coffee break

16:00 –17:00

Lecture 3

Erik Weber (Ghent University)

Case Studies in the Philosophy of the Social Sciences: Transferrable Knowledge?

MAIN CONFERENCE startup session

Location: Faculty of Arts and Philosophy, Blandijnberg 2.

Map: <https://www.google.com/maps/dir//51.0439505,3.7254488/@51.0440768,3.724401,18z>

18:00 – 20:00

Registration (Room 120.015)

Pre-conference informal gathering (location: café Bluesette, St-Kwintensberg 85, 9000 Gent)

The pub is very close to the conference venue (two free drinks for everybody who registers on Friday).

Important note:

Some of the two-hour slots include 4 papers and others include 5 papers; some of the 1.5 hour sessions include only 2 papers rather than 3: regardless, the presentation time for each paper will be limited to 20 minutes followed by 5-10 minutes for questions (depending on the total session time), in order to allow participants to session hop if they wish. The uneven distribution of papers is a result of last-minute cancellations.

SATURDAY 30 JUNE

Location: Faculty of Arts and Philosophy, Blandijnberg 2.

Map: <https://www.google.com/maps/dir//51.0439505,3.7254488/@51.0440768,3.724401,18z>

8:15 – 9:00 **Registration** (Room 120.015)

8:50 – 9:00 **Opening session: Welcome** (Aud 2 – Franz Cumont)

9:00 – 10:10 **Plenary Lecture 1**

William Bechtel (University of California at San Diego)

Visualization Practices

Chair: Joseph Rouse

Aud 2 – Franz Cumont

10:10 – 10:30 **Coffee Break** (corridor in front of registration room)

10:30 – 12:00 **Concurrent Sessions 1**

<p><i>Symposium 1A</i> <i>Aud 4 – Jaap Kruithof</i> Joseph Rouse’s Philosophy of Scientific Practice and its Implications for the Study of the Sciences (131) Chair: Maarten Van Dyck Pieter Present, Towards a history and philosophy of scientific education in practice (132)</p>	<p><i>Symposium 1B</i> <i>Room 120.012</i> Virtue Epistemology of Mathematical Practice (49) Chair: Joachim Frans Andrew Aberdein, Virtues, arguments, and mathematical practice (249) Colin Rittberg, Intellectual Humility in Mathematics (54)</p>	<p><i>Author Meets Critics Symposium 1C</i> <i>Room 120.025</i> Adrian Currie, <i>Rock, Bone, and Ruin: An Optimist’s Guide to the Historical Sciences</i> (MIT Press, 2018) (16) <i>Room 120.025</i> Chair: Derek Turner Commentators: Craig Fox Derek Turner</p>	<p><i>Contributed talks 1D</i> <i>Room 120.043</i> Concepts in the Neurological and Cognitive Sciences Chair: Daniel Burnston Yi-Husan Kao & Karen Yen, Eliminating neuroscientific concepts of consciousness? (33) Giulia Frezza, Brain metaphors and dementia scientific</p>	<p><i>Contributed talks 1E</i> <i>Room 120.083</i> Diverse Uses of Models Chair: Vlasta Sikimic Dragana Bozin, Teaching Conceptual Change: Can Building Models Explain Conceptual Change in Science? (174) Holly Vandewall, A role for the history and philosophy of science in the</p>	<p><i>Contributed talks 1F</i> <i>Room 110.079</i> Neurosciences in Practice Chair: Jessey Wright Morgan Thompson, Robustness Analysis in Network Neuroscience (237) Philipp Haueis, A patchwork approach to endogenous brain activity in resting state neuroimaging research (234) David Colaço, When</p>	<p><i>Contributed talks 1G</i> <i>Room 110.022</i> Practices in Medicine and Medical Science Chair: Nina Atasanova Leen De Vreese, Analyzing the meaning of causal claims in genetic epidemiology: a pragmatic point of view (163) Raphael Scholl,</p>
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Fons Dewulf, Rousian History of Philosophy of Science: the Hempel-Neurath debate (133) Laura Georgescu, On how to select entry points in a Rousian history and philosophy of science (151) Comments: Joseph Rouse	Fenner Tanswell, Proof, Rigour and Mathematical Virtues (59)	Alison Wylie Response from Author: Adrian Currie	discourse (236) Mikeo Akagi, Representation Re- construed: Answering the Job Description Challenge with a Construal-based Notion of Natural Representation (116)	promotion of scientific literacy (243) Beau Revlett, How rational choice- theoretic models in economics can causally explain (36)	should we accept that a phenomenon doesn't exist? Memory transfer, conflicting evidence, and defeasibility (46)	Bridging the gap between populations and individuals in personalized medicine (204) Julia Pfeiff, Relations between psychotherapeutic practice and models of mental disorders (233)
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12:00 – 13:30

Lunch (corridor in front of registration room)

Poster session (corridor on the back side of the building)

13:30 – 15:30

Concurrent Sessions 2

<i>Symposium 2A</i> <i>Aud 4 – Jaap Kruithof</i> Philosophy of Science, Policy & Pragmatism (142) Chairs: Erman Sözüdoğru & Jorrit Smit Chiara Ambrosio, “Running a Steam Engine by Burning Diamonds”? Values and Virtues in Peirce’s	<i>Symposium 2B</i> <i>Room 120.012</i> The Changing Nature of Mathematical Solutions How Computer Methods Affect the Concept of Mathematical Solutions (41) Chairs: Johannes Lenhard & Nicolas Fillion	<i>Symposium 2C</i> <i>Room 120.025</i> Causal and Informational Specificity in Biological Practice: Unchallenged Assumptions and Neglected Dimensions (183) Chair: Joseph Rouse María José Ferreira	<i>Contributed talks 2D</i> <i>Room 120.043</i> Using History to Learn about Science in Practice Chair: Hasok Chang Jonathon Hricko & Yafeng Shan, Analogical Reasoning: Lessons from Davy’s Work on Electrochemical Decomposition (40)	<i>Contributed talks 2E</i> <i>Room 120.083</i> Engineering Practices and Implications Chair: Mieke Boon Sophie van Baalen, Doing science for practice: lessons from medical imaging development (144) Julia Sanchez-Dorado, Scale models in civil	<i>Symposium 2F</i> <i>Room 110.079</i> Phenomenology and Perspectivism in Science (97) Chairs: Annamaria Carusi & Franklin Jacoby Franklin Jacoby, Perspectives, scientific practice, and realism (201) Themistoklis
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<p>Economy of Research (148) Stephanie Meirmans, Funding policies: How to foster responsible research practices? (216) Jorrit Smit, Utility & Pragmatism: situating science policy's purpose (147) Erman Sözüdoğru, Pragmatic Pluralism: investigating the boundaries of plurality in neglected tropical disease research (150)</p>	<p>Nicolas Fillion & Jabel Ramirez, A philosophical take on variational crimes (66) Julie Jebeile & Vincent Ardourel, Verification (& Validation) of Simulations against Holism (50) Mattias Brandl & Johannes Lenhard, The Model Character of Solutions. A Challenge to Method and Authority (42)</p>	<p>Ruiz, Causation and Information in Biology: Arguments for Eliminativism (170) Alan Love, Positional Information and the Measurement of Specificity (165) Janelle Baxter, When INF-Specificity is too Much of a Good Thing: A Defense of Switch-like Causation (180) Oliver Lean, Chemical Specificity is not Fine-Grained Control (167) Catherine Kendig (comments)</p>	<p>Kirstin Walsh, Inventing Units of Measurement: Lessons from Newton's Optics (176) Juliette Ferry-Danini, Epistemological reflections on collecting in medicine: What can we learn from the practices of a 19th century Parisian anatomy society? (25) Hsiao-Fan Yeh & Ruey-Lin Chen, Modes of Experimental Interventions in Molecular Biology: A Case Study of the β-Galactosidase Synthesis (110)</p>	<p>engineering: creative similarity in representational practices (219) Sabine Ammon & Henning Meyer, Simulation, Test bench, and Hardware-in-the-loop: Validation in engineering design processes—A case study (198) Rick Shang, Competition and the Creation of Neuroimaging: The History of Positron Emission Tomography 1976-1985 (193)</p>	<p>Pantazakos, Conceptual Schemes, Perspectivism, and Science for Neuroatypical Subjects (152) Harald Wiltsche, Constitution and Perspectivity: Hermann Weyl's Phenomenological Non-Realism (122) Annamaria Carusi, Realisms, Perspectives and Styles (86)</p>
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15:30 – 16:00

Coffee Break (corridor in front of registration room)

16:00 – 17:30

Concurrent Sessions 3

<p><i>Symposium 3A</i> <i>Aud 4 – Jaap Kruithof</i> Values in the Practice of Archaeology and Paleontology (10) Chair: Adrian Currie Rune Nyruup, How Archaeologists Resolve the Inductive Risk Argument (80) Derek Turner, The Functional Beauty of Fossils: Aesthetic Values in Paleontological Reconstruction (11) Caitlin Wylie, Assumptions about Time in Specimen Research (21)</p>	<p><i>Symposium 3B</i> <i>Room 120.012</i> Philosophical Issues in Cancer Diagnosis and Treatment (107) Chairs: Justin Biddle & Bennet Holman Justin Biddle, Epistemic Risks in Prostate Cancer Diagnosis: Implications for Ethics and Policy (108) Bennet Holman, Dr. Watson: The Impending Automation of Diagnosis and Treatment (128) Stephen John, Diagnosis: representing or intervening? (94)</p>	<p><i>Contributed talks 3C</i> <i>Room 120.025</i> New Approaches to Modelling and Representing Science Chair: Stefano Canali Rachel A. Ankeny & Sabina Leonelli, The epistemological significance of repertoires: Tools to understand representational attributions (251) Beckett Sterner, A Synthetic Approach to Studying Scientific Problems (199) Dana Matthiessen, Two Dogmas of Representationalism (77)</p>	<p><i>Contributed talks 3D</i> <i>Room 120.043</i> Social Epistemology, Scientific Practice and Policy Chair: Barton Moffatt Joseph Rouse, Epistemic Risk, Scientific Significance, and Conceptual Normativity (35) Anke Bueter, Public Epistemic Trustworthiness & Lay Participation: The Case of Psychiatric Classification (124)</p>	<p><i>Contributed talks 3E</i> <i>Room 120.083</i> Models, Modelling and Thought Experiments Chair: Hasok Chang Wei Fang, An Inferential Account of Model Explanation (57) Harry Lewendon-Evans, Inference, Norms, and Model-Based Understanding (123) Tarja Knuuttila & Rami Koskinen, Synthetic Biology's Alternative Realities: Turning Fictional Systems into Concrete Ones (45)</p>	<p><i>Contributed talks 3F</i> <i>Room 110.079</i> Metaphysical Issues in Scientific Practice Chair: Matthew Lund Gui Oliviera, Artfactualism and Philosophy of Science-in-Practice (155) Ruey-Lin Chen, Individuating Genes as Types or Individuals (79) David Rizza, Mathematisation: a pragmatist account (2)</p>
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SUNDAY 1 JULY

9:00 – 11:00

Concurrent Sessions 4

<p><i>Symposium 4A</i> <i>Aud 4 – Jaap Kruithof</i> Evaluation, Quality and Success in Interdisciplinary Research (126) Chair: Endla Lõhkivi Jaana Eigi, Katrin Velbaum, Endla Lõhkivi, Edit Talpsepp-Randla & Kristin Kokkov, Misunderstandings and Epistemic Misjudgements in an Interdisciplinary Field and How Researchers Live with Them (125) Inkeri Koskinen, Epistemic success and societal impact in extra-academic collaboration (71) Hauke Riesch, Inter-Discipline and Punish (61)</p>	<p><i>Symposium 4B</i> <i>Room 120.012</i> Mathematical Proofs in Mathematical Practice (179) Chair: Colin J. Rittberg Line Andersen, Henrik Kragh Sørensen, & Mikkel Willum Johansen (192), Mathematicians Writing for Mathematicians: The Framing of Proofs Yamin Hamami & Rebecca Morris, Rationality in Mathematical Proofs (159) Joachim Frans, The objectivity/subjectivity of the distinction between explanatory and non-explanatory proofs (141)</p>	<p><i>Contributed Talks 4C</i> <i>Room 120.025</i> Epistemological Considerations in Scientific Practice Chair: Inmaculada de Melo-Martin Mieke Boon, Big data in need of big scientists: Revisiting Polanyi’s notion of personal knowledge (145) Simon Lohse, On the Evolutionary Synthesis of the Social Sciences: A Philosophy of Social Science in Practice Perspective (75) Kareem Khalifa & Jared Millson, Understanding, Accuracy, and the Aims of Science (177) Nora Hangel, Epistemic and methodological dimensions in interviews with scientists talking about challenges in their day-</p>	<p><i>Contributed talks 4D</i> <i>Room 120.043</i> Information and Data Chair: Johannes Lenhard Kathleen Creel, Explainable AI and Scientific Explanation (269) Elliott Hauser, Thermophysical Reference Data as Memory Practice: Scientific Facts and Techniques of Forgetting (99) Catherine Kendig, What are we doing when we describe something as being a part in a biological parts repository? (102) Maria Del Rosario Martinez Ordaz, Paraconsistent Heuristics, Inconsistent Information and Scientific Practice (217) Michael Begun, Navigating Evidential Discord in Observational</p>	<p><i>Contributed talks 4E</i> <i>Room 120.083</i> Policy in Science and Medicine Chair: Chiara Ambrosio Felipe Romero, The Division of Replication Labor (92) Luc Faucher, A ROAMER With a (Wider) View (105) Andrew Schroeder, Values in Science, Public Trust, and Transparency (12) David Stump, Scientific Pluralism in Practice (64) Barton Moffatt, Scaffolding the Science Behind Forensic Science (227)</p>	<p><i>Contributed talks 4F</i> <i>Room 110.079</i> Concepts, Theories, and Practices in Biology Chair: María J. Ferreira Ruiz Caleb Hazelwood, The Species Category as a Scientific Kind (242) Aaron Novick, The Prodigal Genetics Return (63) Grant Fisher, Innovation by incomplete theorization: The case of direct cell reprogramming (104) Thomas Reydon, The scope of evolutionary explanations as a matter of “ontology-fitting” in investigative practices (181) Tiernan Armstrong-Ingram, Structuralism and the Metaphysics of Biological Practice (76)</p>
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		to-day research practice (115) Jules Smith-Ferguson & Madeleine Beekman, Can't see the hive for the bees: the importance of biological individuality in behavioural ecology (53)	Cosmology (261)		
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11:00 – 11:30 **Coffee Break** (corridor in front of registration room)
Poster session (corridor on the back side of the building)

11:30 – 12:40 **Plenary Lecture 2**

<p>Sabina Leonelli (University of Exeter) Philosophy of Science in the Age of Big and Open Data: What Does Studying Practice Involve? Chair: Rachel A. Ankeny Aud 2 – Franz Cumont</p>

12:40 – 14:00 **Lunch** (corridor)
Philosophy of Medicine Networking Lunch (main contact: Brendan Clarke): This is an informal lunch for those interested in the philosophy of medicine in practice—all welcome! (Aud 4 – Jaap Kruithof)

14:00 – 16:00 **Concurrent Sessions 5**

<p><i>Symposium 5A</i> <i>Aud 4 – Jaap Kruithof</i> Narrative Practices in the Sciences (158) Chair: Chiara Ambrosio Robert Meunier, Ordering in research narratives and natural</p>	<p><i>Symposium 5B</i> <i>Room 120.012</i> External Validity: What is it and how do we get it? (202) Chairs: Michiru Nagatsu & Maria Jiménez-Buedo</p>	<p><i>Contributed talks 5C</i> <i>Room 120.025</i> Modelling and Representation Chair: Julia Bursten Brandon Boesch & Michaela Schenkelberg,</p>	<p><i>Contributed talks 5D</i> <i>Room 120.043</i> Cognitive Science, Pluralism, and Data Chair: David Colaço Corrine Bloch-Mullins, Similarity 'All the Way Down': A Cognitive</p>	<p><i>Contributed talks 5E</i> <i>Room 120.083</i> Causation, Explanation, and Epistemology in Medicine Chair: Andrew Schroeder Velli Pekka Parkkinen,</p>	<p><i>Contributed talks 5F</i> <i>Room 110.079</i> Issues in the Social Sciences Chair: Eden T. Smith Kristin Kokkov, Interpreting Archaeological Material:</p>
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narratives (160) Mary Morgan, Inference 'within the case': Valency between micro and macro-narratives (166) Matthew Paskins, Making and Narrating Chemical Beginnings (162) Dominic Berry, Supersaturated narratives: Data integration and coherence in biological engineering (161)	Maria Jiménez-Buedo, What is wrong (and right) with the distinction between internal and external validity? (222) Donal Khosrowi, Extrapolation of Causal Effects: Hopes, Assumptions and the Extrapolator's Circle (146) Michiru Nagatsu, Analogical inferences as a solution to the extrapolator's circle: a case of field experiments movement in economics (205) Federica Russo, Extrapolation and the role of populational properties (206)	Representational Practice in Representative Sampling in Public Health (100) James A. Overton, Machine Learning and Scientific Understanding (225) Kathryn Tabb & Matthew Lebowitz, Motivated Thinking About Behavioral Genetics: What It Is And What To Do About It (169) Martin Zach, Similarity in Practice (187) Matthew Lund, The Personal Equation in Astronomy: Triumph of Psychology or the Progress of a Fudge Factor? (203)	Approach to Pluralistic Realism (263) Daniel Burnston, Pluralism and Representation in Biology (78) Zina Ward, Registration Pluralism and the Cartographic Approach to Inter-Individual Brain Differences (67) Jessey Wright, Making Data Patterns and Interpreting Data in Neuroimaging Research (210) Lena Kästner, Produce, Underlie, Maintain: What's Behind the Mechanistic Triad? (226)	Scientific disagreement and explanatory relevance: a case study on the cholesterol-heart disease controversy (272) Katherine Furman & Hannah Jongsma, Causal Selection Problems in Epidemiology: The Case of Increased Incidence of Psychosis in Ethnic Minorities (118) Alexander Krauss, Randomised controlled trials: The biases and limits arising in practice (1) Nina Kranke, With a little help from my (old) friends? Evaluation of evolutionary explanations of diseases (172) Saana Jukola, On the conditions for the objectivity of nutrition guidelines (8)	The Model of Evidential Reasoning Extended (89) Till Grüne-Yanoff, Risky Measurements: Scientific Strategies of Dealing with Instability and Divergence in the Measurement of Risk Preference (191) Veronica J. Vieland, Who knows which way the evidence is going? (184) Jennifer Jhun, Causation and Complex Phenomena: Econometric Modeling (240) Magdalena Malecka, Economics imperialism as an instance of scientific imperialism: epistemic advancement, abuse of power, or both? (215)
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16:00 – 16:30

Coffee Break (corridor in front of registration room)
Poster session (corridor on the back side of the building)

16:30 – 17:40

Plenary Lecture 3

Maarten Van Dyck (Ghent University)
Did Galileo's experiments confirm the law of fall?
 Chair: Justin Biddle
 Aud 2 – Franz Cumont

19:30 – 22:00 **Conference dinner in Salons Carlo Quinto, Kammerstraat 20, 9000 Gent**
 Map: <http://www.salonscarloquinto.be/en/contact#>

MONDAY 2 JULY

9:00 – 11:00 **Concurrent Sessions 6**

<p><i>Symposium 6A</i> <i>Aud 4 – Jaap Kruithof</i> Data Practices in Personalized and Precision Medicine: How Big Data Microscopes Reconfigure Health and Disease (20) Chair: Sabina Leonelli Sara Green, Annamaria Carusi, & Klaus Hoeyer, Personalizing medicine? Reconfiguring conceptions of disease and evidence with population data (19) Sophia Efstathiou, Personalising RCTs: What is the right target? (28)</p>	<p><i>Symposium 6B</i> <i>Room 120.012</i> Philosophy of Astrophysical Practice (175) Chair: Henk de Regt Siska Baerdemaeker, Integrating evidence in cosmology: the search for dark matter (72) Mauricio Suárez, Evidence for Fictions and Idealizations in Stellar Astrophysics (73) Nora Boyd, Repurposing Historical Astronomical Data (65) Jaco de Swart, Making Dark Matter Matter;</p>	<p><i>Contributed talks 6C</i> <i>Room 120.025</i> Biological Categories and Knowledge Chair: Robert Meunier David Ludwig & Luana Poliseli, Mechanisms and Holism in Traditional Ecological Knowledge (190) Phillip Honenberger, Phylogenetic Taxonomy and HGT: Reconcilable Tension or Grounds for Taxonomic Revolution? (106) Kelle Dhein, The Practical Use of Intentional Information Concepts</p>	<p><i>Contributed talks 6D</i> <i>Room 120.043</i> Modeling and Representation Chair: Matthew Lund Yin Chung Au, Visual representations as evidence in cell biological mechanism research (140) Dingmar van Eck, Rethinking the explanatory power of dynamical models in cognitive science (127) Julia Bursten, Against the Hierarchical View of Theories (38) Vlasta Sikimic, Predicting efficiency of scientific performance</p>	<p><i>Contributed talks 6E</i> <i>Room 120.083</i> Measurement, Norms, and Practices Chair: Till Grüne-Yanoff Ingo Brigandt, How to Philosophically Tackle Kinds without Talking About 'Natural Kinds' (48) Joeri Witteveen, Referential norms and practices in biological taxonomy (220) Marion Boulicault, Gender and the Measurement of Fertility: A Case Study in Critical Metrology (247) Anna Leuschner, What's Wrong with (the Recent)</p>	<p><i>Contributed talks 6F</i> <i>Room 110.079</i> Integrating History and Philosophy of Science in Practice Chair: Juliette Ferry-Danini Klaus Ruthenberg & Hasok Chang, The biochemical roots of the pH value and the glass electrode (230) Michele Luchetti, 'Constituting' tension? An epistemological analysis of the role of measurement and coordination in Ohm's scientific practice (26) Sarah Roe, The Citizen Science Movement</p>
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Stefano Canali, Molecular Data and Shifting Notions in Epidemiology (22) Niccolò Tempini, Making sense of precision data: the role of pathfinder processes and new information products in precision medicine infrastructures (60)	Anomaly Formation in 1970s Astrophysics (182)	in Animal Behavior Research (87)	in high energy physics (221)	Criticism of Research on Gender and Racial Biases? (119)	According to Feyerabend (4) Devin Gouvêa, On the Construction of Scientific Narratives (268) Karoliina Pulkkinen, Contextualising values in science: simplicity, completeness and carefulness (156)
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11:00 – 11:30

Coffee Break (corridor)

11:30 – 12:40

Plenary Lecture 4

Alison Wylie (University of British Columbia)
Philosophy in the Field: Witnessing and Translating
Chair: Chiara Ambrosio
Aud 2 – Franz Cumont

12:40 – 14:00

Lunch (corridor)
Newsletter meeting (over lunch) (Aud 4 – Jaap Kruithof)

14:00 – 15:30

Concurrent Sessions 7

<p><i>Symposium 7A</i> <i>Aud 4 – Jaap Kruithof</i> Coherence as an Indicator of Quality in Scientific Practices (137) Chair: Mieke Boon Lena Soler, What reliability judgments about experimental proofs owe to coherence (111) Hasok Chang, Operational Coherence as the Effective Harmony of Actions (139) Sjoerd Zwart, Coherence as Emergent Property of Large Ensembles (114)</p>	<p><i>Symposium 7B</i> <i>Room 120.012</i> Assessing Economic Expertise (194) Chairs: François Claveau & Julian Reiss Julian Reiss, Against Epistocracy (138) Carlos Martini & Anita Välikangas, Expertise and Trust in Think-Tank Research (85) François Claveau & Jérémie Dion, Regulatory versus testimonial expertise: the case of central banking (195)</p>	<p><i>Alternative Format Session 7C</i> <i>Room 120.025</i> Representing Biology as Process (130) Participants: John Dupré Gemma Anderson James Wakefield</p>	<p><i>Contributed talks 7D</i> <i>Room 120.043</i> Learning from Experiment Chair: Juliette Ferry-Danini Jutta Schickore, Conceptions of experimental control in 19th-century life sciences (7) Nina Atasanova, Virtual Morris Water Maze: The Independent Life of an Experimental System (24) Rawad El Skaf, The function and limit of Galileo’s falling bodies thought experiment: Absolute weight, specific weight and the medium’s resistance (29)</p>	<p><i>Contributed talks 7E</i> <i>Room 120.083</i> Revisiting Black Boxes Chair: Till Grüne-Yanoff Michael Stuart & Nancy Nersessian, Looking Inside the Black Box: A New Kind of Scientific Visualization (55) Alfred Nordmann, Alignments: Mario Bunge’s General Black Box Theory and Contemporary Technoscience (232) Reiner Hähnle, Colorful Boxes (117)</p>	<p><i>Contributed talks 7F</i> <i>Room 110.079</i> Epistemology, Malpractice, and Trust Chair: Line Andersen Haixin Dang, Epistemic Responsibility in Science (264) K. Brad Wray and Line Andersen., Retraction in Science (14)</p>
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15:45 – 16:30

Closing session

<p>15.45 – 16:00</p>	<p>Closing remarks</p>
<p>16:00 – 16:30</p>	<p>SPSP business meeting (all participants welcome)</p>
<p><i>Aud 2 – Franz Cumont</i></p>	