

THURSDAY 18 June 2009				
8:00-9:00	Registration – Nicholson Hall			
9:00-9:15	Opening by Rachel Ankeny			
9:15-10:30	Keynote address: Mary Morgan: Facts in Practice - The Lives of Facts Chair: Mieke Boon			Nicholson Hall 155
10:30-11:00	Registration – Folwell Hall, Rm. 116 Coffee/tea			
11:00-12:30	Concurrent sessions A			
	Rm. 108	Rm. 104	Rm. 151	Rm. 50
	A1. Symposium: Phenomena established through experimental practices	A2. Causes and models of diseases Chair: Kim Thomas-Pollei	A3 Contexts in epistemology Chair: Alexandra Bradner	A4. Collaboration and consensus Chair: Maya Goldenberg
11:00	<u>Lena Soler</u> <u>Frederic Wieber</u> <u>Emiliano Trizio</u>	<u>Marta Halina</u> , Harmonizing Models and Phenomena: The Case of Aflatoxin	<u>Deepanwita Dasgupta</u> , Scientific Discovery in an Asymmetrical Landscape	<u>Alison Wylie</u> , Transformative Criticism in Archaeology: The Epistemic Rationale for Collaborative Practice
12:00		<u>Dana Tulodziecki</u> , Reasoning about cholera: the inferential practices of John Snow	<u>Monika Wulz</u> , Social Concepts and Methods in Epistemology around 1930: Edgar Zilsel's Sociohistorical Approach to Epistemology and his Concept of Science as an "Infinite Process"	<u>Melinda Fagan</u> , Collaboration, toward an integrative philosophy of scientific practice
12:30		<u>Leen De Vreese</u> , The need for a practical concept of disease	<u>Janet D. Stemwedel</u> , Sifting sound science from snake-oil: In search of demarcation criteria for science as actually practiced	
12:30-14:00	Lunch			

THURSDAY 18 June 2009				
14:00-15:30	Concurrent sessions B			
	Rm. 108	Rm. 104	Rm. 151	Rm. 147
	B1. Symposium: Implementing psychiatric genetic research	B2. Values in Epistemology Chair: Mark Risjord	B3. Information and inference in biology Chair: Alan C. Love	
14:00	<u>Jennifer McCormick et al.</u> <u>Kenneth Schaffner</u>	<u>Justin Biddle</u> , Transient Underdetermination and Values in Science	<u>Barton Moffatt</u> , A Reexamination of Biological Information from the Perspective of Practice	
14:30		<u>Elizabeth Potter</u> , Hybrid Values in Epistemic and Non-Epistemic Practices	<u>Joel Velasco</u> , Parsimony and Model Selection in Phylogenetic Networks	
15:00		<u>Monica Aufrecht</u> , The context distinction controversies over feminist philosophy of science	<u>Bert Nederbragt</u> , Cells that count: The standardizing of diagnostic tests for bovine mastitis	
15:30-16:00	Coffee/tea			
16:00-17:30	Concurrent sessions C			
	C1. Symposium: Causation in human behavioral genetics	C2. Evidence Chair: Aris Spanos	C3. Collective dimensions of knowledge Chair: Justin Biddle	C4. Experimental practices Chair:
16:00	<u>Kathryn Plaisance</u> <u>Eric Turkheimer</u> <u>Ken Waters</u> <u>James Woodward</u>	<u>Aris Spanos</u> , On Securing the Trustworthiness of Evidence: Modeling the Global Surface Temperature Data	<u>Hanne Andersen</u> , Modeling collective belief in science	<u>Muk Yan</u> , Reliability and External Validity in Neurobiological Experiment
16:30		<u>Deborah Mayo</u> , A Philosophy of Evidence Relevant for Regulation	<u>Bill Rehg</u> , Crossing Boundaries: Contexts of Practice as Common Goods	<u>Bradley E. Wilson</u> , Nature as Laboratory: Experiments in Ecology and Evolutionary Biology
17:00		<u>Kent W. Staley and Aaron Cobb</u> , Internalist and Externalist Aspects of Justification in Scientific Inquiry	<u>Kirstin Borgerson</u> , Amending and Defending Critical Contextual Empiricism: Lessons from Medical Research	<u>MarĀa JimĀnez-Buedo</u> and <u>Luis M. Miller</u> , Experiments in the Social Sciences: The Relationship between External and Internal Validity
19:00-21:00	Picnic: East River Flats			

FRIDAY 19 June 2009

9:00-10:30	Concurrent sessions D			
	Rm. 108	Rm. 104	Rm. 148	Rm. 147
	D1. Symposium: The Economics of Scientific pluralism	D2. “Knowing well” in medicine Chair: Susan Hawthorne	D3. Between mathematics and experiments Chair: Carol Cleland
9:00	<u>Rogier De Langhe</u> <u>Matthias Greiff</u> <u>Jeroen van Bouwel</u>	<u>Barry DeCoster</u> , Improving medical explanations: Rethinking explanatory structure and agency	<u>Mikaela Sundberg</u> , Exploring and Accounting for Unexpected Simulation Results	
9:30		<u>Miriam Solomon</u> , Three new paradigms in medical epistemology	<u>Henrik Kragh Sørensen</u> , Are proofs mathematical experiments? Are mathematical experiments proofs?	
10:00		<u>Emily L. Evans</u> , Uncertainty and Public Health Research Ethics	<u>Michael Barany</u> , Computer experiments in harmonic analysis	
10:30-11:00	coffee/tea			
11:00-12:00	Concurrent sessions E (60 minutes)			
	E1. Experimental replications Chair: Bradley Wilson	E2. Genetics and public knowledge Chair: Michael Barany	E3. Philosophy and Policy Chair:	E4. Patients and medical evaluations Chair: Marta Halina
11:00	<u>Peter Heering</u> , Styles of experimenting as an analytical category for scientific practices	<u>Kimberley Thomas-Pollei</u> , The rise of genetics: Producing knowledge, regulating bodies and transforming patients	<u>Evelyn Brister</u> , Knowledge, Values, and Epistemic Authority in Land Management	<u>Leah McClimans</u> , A Philosophical Framework for Patient-Reported Outcome Measures
11:30	<u>Hasok Chang</u> , Historical experiments, lost knowledge, and the purpose of science education	? <u>Lily Farris</u> , Knowing well, values and evidence-for-use	? <u>Marc Kirsch</u> , Vincent Guillin, et al., In search of tools to bridge the gap between science and policy making	<u>Susan Hawthorne</u> , Science, Society, and Reinforced Intolerance of Mental Illness
12:00-14:00	Lunch			

FRIDAY 19 June 2009				
14:00-15:00	Plenary session: What is the 'Nature of Science' in the Science Classroom? Led by Douglas Allchin & participants in the "Teaching Science through History" workshop			Nicholson Hall 155
15:00-15:30	Coffee/tea			
15:30-17:30	Concurrent sessions F (120 minutes)			
	Rm. 108	Rm. 104	Rm. 148	
	F1. Symposium: Experimental Practices in Developmental Biology	F2. Pragmatism and scientific practice Chair: Carol Cleland	F3. Styles Chair: Kent Staley	
15:30	<u>Alan Love</u> <u>Stephen Ekker</u> <u>Laura Gammill</u>	<u>John Capps</u> , Pragmatic Truth and Scientific Practice	<u>Alexandra Bradner</u> , On the Very Idea of a Style of Reasoning	
16:00	<u>David Greenstein</u> <u>Ann Rougvie</u> <u>Jonathan Slack</u> <u>David Zarkower</u>	<u>Amy L. McLaughlin</u> , Pragmatic Recommendations for Doing Science within One's Means	<u>Stéphanie Ruphy</u> , From Hacking's pluralism of styles of scientific reasoning to "foliated" pluralism, a new form of ontologico-methodological pluralism	
16:30		<u>Jan De Winter</u> , Explanations in Software Engineering: The Pragmatic Point of View	<u>Erich Reck</u> , Styles of Reasoning in Mathematics: the Case of Richard Dedekind	
17:00		<u>Sarah Star</u> , Revisiting Ontology and Its Consequences		
18.00-19.30	Reception: Mayo Auditorium Foyer			

SATURDAY 20 June 2009

9:00-10:30		Concurrent sessions G		
	Rm. 108	Rm. 104	Rm. 148	
	G1. Symposium: Causation and Evidence in the Historical Sciences	G2. Images and observation Chair: Michael Barany	G3. Politics and political science Chair: Maria Jimenez Buedo
9:00	<u>Derek Turner</u> <u>Carol Cleland</u> <u>Kevin Francis</u>	<u>Vincent Israel-Jost</u> , Data processing in observation	<u>Sharon Crasnow</u> , Evidence for Use: The Role of Case Studies in Political Science Research	
9:30		<u>Chiara Ambrosio</u> , From Similarity to Homomorphism: Toward a Pragmatic Account of Representation in Art and Science, 1880-1914.	<u>Zahra Meghani and Jennifer Kuzma</u> , Democratization of risk assessment of converging technologies	
10:00		<u>Robyn Bluhm</u> , Cognitive Substraction Techniques and neuroimaging research	<u>James H. Fetzer</u> , Assassination Science: Critical Thinking in Political Contexts	
10:30-11:00	coffee/tea			
11:00-12:30		Concurrent sessions H		
	H1. Workshop: Evaluating NOS Knowledge in Science Teaching	H2. Evidence in medicine Chair: Leah McClimans	H3. Models Chair: Deepanwita Dasgupta	
11:00	<u>Douglas Allchin</u> & participants of the “Teaching Science through History” workshop	<u>Kristen Intemann and Imaculada de Melo-Martín</u> , Evidence for Use: The Case of the HPV Vaccine	<u>Isabelle Peschard</u> , On the Use and Assessment of Models: Forget about Representation	
11:30		<u>Brendan Clarke</u> , Inverting the Pyramid: A Reassessment of the Roles of Experiment in Evidence-Based Medicine	<u>Mieke Boon and Tarja Knuuttila</u> , How do models give us knowledge?	
12:00		<u>Maya J. Goldenberg</u> , Critical condition: Can feminist accounts of evidence rehabilitate evidence-based medicine?	<u>Chris Mack</u> , Mathematical Realism: A view from industry	
12:30-14:00	Lunch			

SATURDAY 20 June 2009				
14:00-15:30	Concurrent sessions J			
	Rm. 108	Rm. 104	Rm. 148	
	J1. Symposium: The Epistemic Roles of Organisms in Biological Practice	J2. Standpoints Chair: Kirstin Borgerson	J3. Interpretation and practice in physics Chair: Kent Staley	
14:00	<u>Sabina Leonelli</u> <u>Staffan Muller-Wille</u> <u>Christian Reiss</u> and <u>Rachel Ankeny</u> <u>Ken Waters</u> (discussant)	<u>Elizabeth Silver</u> , Epistemology under pressure: Sacrificing knowledge to keep big pharma under control	<u>Thomas Boyer</u> , Coexistence of several interpretations of quantum mechanics and the fruitfulness of scientific works	
14:30		<u>Mark Risjord</u> , Why A Nurse Knows Better: Standpoint Epistemology and Nursing Science	<u>Antigone M. Nounou</u> , Holonomies and Time: The Clash between Holonomy Interpretation and Relativistic Locality	
15:00		<u>Douglas Allchin</u> , Socializing Epistemics: Resolving the Ox-Phos Debate	<u>Robert Hudson</u> , Realism and the Bullet Cluster	
15:30-16:00	Coffee/tea			
16:00-17:15	Keynote address: Nicholson Hall 155 Helen Longino: "Pluralism and Practice: Thinking about Behavioral Research" Chair: Hasok Chang			
17:15-17:30	Closing: Hasok Chang			