

UNABRIDGED LIST OF TALKS AND CONFERENCES

INVITED AND KEYNOTE PRESENTATIONS

- Taxonomy Corpus Analysis: Preliminary Data December, 2022
Workshop on Taxonomic Disorder, KU Leuven
- Natural Selection and the Metaphysics of Causation September, 2022
Taiwan-Belgium Philosophy of Science Online Workshop
- Chance, Selection, and the Mendelians July, 2022
Mendel at 200, MRC Integrative Epidemiology Unit, University of Bristol
- Natural Selection and the Metaphysics of Causation (keynote) June, 2022
Causation in Life Sciences, University of Kent
- Biodiversity: Ambiguity Between Science and Society June, 2022
Le vague dans les sciences, Université Paris 1 Panthéon-Sorbonne
- The Rise of Chance in Evolutionary Theory May, 2022
Instituto Interuniversitario López Piñero, Universitat de València
- Mapping the Study of Biodiversity and Taxonomy: Some Preliminary Results May, 2022
Instituto Cavanilles de Biodiversidad y Biología Evolutiva, Universitat de València
- Natural Selection and the Metaphysics of Causation May, 2022
Lógica y Filosofía de la Ciencia, Universitat de València
- L'ascension du hasard dans l'évolution (keynote) May, 2022
Société d'histoire et d'épistémologie des sciences de la vie — Shesvie
- The Rise of Chance in Evolutionary Theory April, 2022
Department of Psychometrics and Statistics, University of Groningen [online]
- Digital Literature Analysis for Empirical Philosophy of Science March, 2022
Research Group on History and Philosophy of Science, University of Copenhagen [online]
- The Rise of Chance in Evolutionary Theory February, 2022
Department of Cognitive and Information Sciences, University of California, Merced [online]
- Breadth in Scientific Explanation: The Case of Natural History December, 2021
Departmental Seminar, Department of Philosophy, University of Bielefeld [online]
- Breadth in Scientific Explanation: The Case of Natural History November, 2021
Work in Progress Seminar, Centre de philosophie des sciences et sociétés, UCLouvain
- Round Table: Digital Futures in the History of Science and Technology November, 2021
History of Science Society Meeting — HSS 2021 [online]
- Topic Modeling and Optimization, or How We Scheduled ISHPSSB2021 (invited community/skill-building session) July, 2021
International Society for the History, Philosophy, and Social Studies of Biology Meeting — ISHPSSB 2021 [online]
- Hypothesis-Driven Digital Philosophy (keynote) July, 2021
Summer School on Methodologies for the History of Philosophy, University of Groningen [online]

- Hypothesis-Driven Digital Philosophy of Science May, 2021
New Directions in Metaphilosophy, University of Kent
- The Greatly Exaggerated Reports of the Death of Biometry March, 2021
Philosophy Department Colloquium, McMaster University, Ontario [online]
- Sciveyor: From Corpora to Philosophy of Science October, 2020
TU Eindhoven Philosophy and Ethics Group [online]
- Big Data, Natural History, and Breadth in Biological Explanations October, 2020
BIG Seminar, Faculté de biologie et de médecine, Université de Lausanne [online]
- Of Stirps and Chromosomes: Abstraction Through Detail September, 2020
PHILBIO Seminar, IHPST, Université Paris 1 Panthéon-Sorbonne [online]
- evoText: Intro and Future Directions May, 2020
Digital Humanities Brown Bag Lunch, MPIWG, Berlin [online]
- Toward a New Picture of the Causalist/Statisticalist Debate January, 2020
UNED, Madrid
- Lessons from the Case of the Life Sciences: Thinking toward Philosophy of Science as Interdisciplinarity December, 2019
Historical Epistemology of the Final Theory Program, Max Planck Institute for the History of Science, Berlin
- The Challenge of Breadth: From Darwin to Big Data November, 2019
21st EMBL PhD Symposium: Facing the Future, EMBL Heidelberg
- Of Stirps and Chromosomes: Early Attempts at Grounding Statistical Inheritance November, 2019
New Directions in the Historiography of Genetics, Cohn Institute, Tel Aviv University
- Analyzing the Biological Literature with evoText November, 2019
Digital History and Philosophy of Science, Université de Québec à Montréal
- Digital Humanities as Empirical Philosophy of Science (with Oliver Lean and Luca Rivelli) October, 2019
XPhiSci 2019 — Workshop on Experimental Philosophy of Science, Aarhus University
- John Herschel and Nineteenth-Century Scientific Methodology (roundtable) July, 2019
History of Science Society Meeting — HSS 2019
- From the Biological World to Statistical Theories: Nineteenth-Century Lessons for Twenty-First-Century Philosophy of Biology July, 2019
International Society for the History, Philosophy, and Social Studies of Biology Meeting — ISHPSSB 2019
- Robots, Artificial Intelligence, and Moral Responsibility April 2019
Journée d'étude, "Faire exister les IA-robots-cyborgs: un nouveau projet humaniste pour l'Europe?"
- Dual-Use Research and the "Scientific Community" April, 2019
Delft University of Technology
- "The Wonderful Form of Cosmic Order": Bringing Statistics to Evolution March, 2019
Louvain Institute of Biomolecular Science and Technology (LIBST) and Earth and Life Institute-Biodiversity (ELI-B) Seminar, UCLouvain
- Causation and Metaphysics in Evolutionary Biology March, 2019
VUB/Ghent Seminar in Philosophy of Science
- "The Wonderful Form of Cosmic Order": Bringing Statistics to Evolution March, 2019
PhilInBioMed, Université de Bordeaux

- “The Wonderful Form of Cosmic Order”: Bringing Statistics to Evolution
Work in Progress Seminar, Centre de philosophie des sciences et sociétés, UCLouvain February, 2019
- Mental Properties and Computer Code: An Analogy for Bridging the Natural
and Social Sciences February, 2019
INSOSCI Symposium, University of Witten/Herdecke
- Causation and Metaphysics in Evolutionary Biology December, 2018
KU Leuven Center for Logic and Philosophy of Science Seminar
- ‘Like Somebody Who Has Seen Thousands of Trees but Has Never Seen a Forest’:
The Critical Role of History and Philosophy of Science in Science Education November, 2018
History of Science Society Meeting — HSS 2018
- The Development of Darwin’s Views of Chance October, 2018
Center for Science Studies, Aarhus University
- Darwin on Mind, Ethics, and Animals September, 2018
*CEFISES Seminar, Groupe de recherche interdisciplinaire sur la crise écologique,
UCLouvain*
- Archives to Networks and Back Again (keynote) November, 2017
History of Science Society, THATCampHSS
- Syntheses that Weren’t: W.F.R. Weldon’s Abandoned “Synthesis” of Biometry and
Mendelism July, 2017
*International Society for the History, Philosophy, and Social Studies of Biology
Meeting — ISHPSSB 2017*
- Theories Under Stress: Evolution in the Late Nineteenth Century May, 2017
University of Leeds HPS Centre Seminar
- Theories Under Stress: Evolution in the Late Nineteenth Century May, 2017
University College London
- Evolution and Chance: From Darwin to the Pioneers of Statistics in Biology February, 2017
Darwin Day, Stephen F. Austin State University
- Fitness and Prediction in Evolutionary Theory January, 2017
London School of Economics
- Theories Under Stress: Evolution in the Late Nineteenth Century (keynote) October, 2016
The Science of Evolution and the Evolution of the Sciences Conference
- The Economy of Nature and the Structure of Evolution October, 2016
KU Leuven Center for Logic and Analytic Philosophy (CLAW) Seminar
- Introduction to Text Mining February, 2016
LSU Digital Scholarship Lab
- Adaptive Dynamics, Chaos, Chance, and Fitness November, 2015
Mississippi State University Philosophy Colloquium
- Quantitative Textual Analysis and Philosophy: Hypothesis-Testing and
Data-Mining Philosophical Ideas April, 2015
American Philosophical Association Pacific Division Meeting
- Commentator: Ethics of Emerging Weapons Technologies March, 2015
Reilly Center 30th Anniversary Celebration
- Is Organismic Fitness at the Basis of Evolutionary Theory? October, 2014
LSU Philosophy Salon
- Background Briefing: Attribution & Repression in Cyberwarfare May, 2014
International Committee of the Red Cross

- Ethics of Emerging Weapons Technologies: A Pedagogical Approach
Fondation Brocher May, 2014
- Coming to Terms with Chance in Evolutionary Theory
Louisiana State University February, 2014

REFEREED CONFERENCE PRESENTATIONS

- Influenza Research, GoF, and Model Organisms
Philosophy of Science Association — PSA 2022 November, 2022
- Gain-of-Function Research and Model Organisms in Virology
Enjeux épistémiques et éthiques autour de la pandémie de COVID-19 February, 2022
- Breadth in Scientific Explanation
Société de philosophie des sciences — SPS 2021 September, 2021
- Darwin, Natural History, and Explanatory Breadth
International Society for the History, Philosophy, and Social Studies of Biology Meeting — ISHPSSB 2021 [online] July, 2021
- From the Biological World to Statistical Theories: Nineteenth-Century Lessons for Twenty-First-Century Philosophy of Biology
European Philosophy of Science Association — EPSA 2019 September, 2019
- Reversion and Deep Ancestry in Early Genetics
Integrated History and Philosophy of Science Workshop June, 2019
- Chance, Statistics, and Experiment in Early Evolutionary Biology
History of the Philosophy of Science — HOPOS 2018 July, 2018
- Darwin and Evolution: Using Historical Critiques and Responses to Address Student Misunderstandings
National Science Teachers Association Conference on Science Education November, 2017
- C'mon, Neil! Why Good Philosophy of Science is Part of Good Science Teaching and Science
National Science Teachers Association Conference on Science Education November, 2017
- evoText and the Philosophy of Science
Philosophy of Science Association Meeting November, 2016
- The Economy of Nature: Structure in Biology from Linnaeus, to Darwin, to the Modern Synthesis
The History of Science and Contemporary Scientific Realism February, 2016
- Charles Darwin and Sir John F.W. Herschel: Nineteenth-Century Science and its Methodology
European Philosophy of Science Association — EPSA 2015 September, 2015
- Charles Darwin and Sir John F.W. Herschel: Nineteenth-Century Science and its Methodology
15th Congress of Logic, Methodology, and Philosophy of Science — CLMPS 2015 August, 2015
- Adaptive Dynamics, Chaos, Chance, and Fitness
International Society for the History, Philosophy, and Social Studies of Biology Meeting — ISHPSSB 2015 July, 2015
- Is Organismic Fitness at the Basis of Evolutionary Theory?
Philosophy of Science Association Meeting November, 2014
- Models, Probability, and the Deep Past
Models and Simulations 6 May, 2014

- Process and Product Concepts of Natural Selection and Genetic Drift August, 2013
European Philosophy of Science Association Meeting
- Process and Product Concepts of Natural Selection and Genetic Drift July, 2013
International Society for the History, Philosophy, and Social Studies of Biology Meeting — ISHPSSB 2013
- Symposium: It's Okay to Call Genetic Drift a "Force" (commentators: Lindley Darden and Lindsay Craig) December, 2012
American Philosophical Association Eastern Division Meeting
- It's Okay to Call Genetic Drift a "Force" November, 2012
Philosophy of Science Association Meeting
- Oyun: Prisoner's Dilemma Tournaments in the Philosophy of Science July, 2012
American Association of Philosophy Teachers Meeting
- The Early History of Chance in Evolution: Causal and Statistical in the 1890s June, 2012
History of the Philosophy of Science — HOPOS 2012
- Software Demo: RLetters June, 2012
Digital Humanities Summer Institute Colloquium
- Four Conflated 'Chance'-Like Concepts in Evolutionary Theory April, 2012
Indiana Philosophical Association
- Biology and Metaphysics: The Causalist/Statisticalist Debate April, 2012
PhiloSTEM-3
- The Early History of Chance in Evolution: Causal and Statistical in the 1890s March, 2012
Integrated History and Philosophy of Science — &HPS4
- Chance in Evolution: A Reassessment July, 2011
International Society for the History, Philosophy, and Social Studies of Biology Meeting — ISHPSSB 2011
- Biometry and Mendelism: A Philosophical Controversy July, 2009
International Society for the History, Philosophy, and Social Studies of Biology Meeting — ISHPSSB 2009
- W.F.R. Weldon, Karl Pearson, and Causation May, 2009
MBL-ASU History of Biology Summer Seminar
- Toward a New Picture of Logical Reduction April, 2008
University of Western Ontario Logic, Mathematics and Physics Graduate Philosophy Conference

POSTER PRESENTATIONS

- K-12 Science Teachers: Unsuspecting Philosophers of Science November, 2018
Philosophy of Science Association — PSA 2018 (with Greg Macklem and Erik Peterson)
- evoText: Digital Humanities Meets Evolutionary Biology February, 2012
Notre Dame Graduate Research Symposium (awards received)
- MTBindingSim: A Program to Simulate Protein Binding to Microtubules March, 2011
Chicago Cytoskeleton (with Julia Philip and Holly Goodson)

OTHER PRESENTATIONS

- Biodiversity: Ambiguity Between Science and Society September, 2022
CEFISES Seminar: Conservation, UCLouvain
- Les « problèmes pernicious », ou, pourquoi les infos sont tellement déprimantes March, 2022
Cercle des Étudiants en Philosophie, UCLouvain
- La crise de la biodiversité : enjeux épistémologiques March, 2022
Société Philosophique de Louvain
- Why Should We Value Biodiversity? April, 2019
Colloque du Cercle des Étudiants en Philosophie, UCLouvain
- evoText December, 2013
National Evolutionary Synthesis Center
- The Ethics of Warfare on the Unmanned Battlefield April, 2013
US Air Force ROTC Detachment 225, Leadership Laboratory

ORGANIZED AND CO-ORGANIZED CONFERENCES

- Organizer, Integrating the History and Philosophy of Biodiversity October, 2023
UCLouvain
- Program, Committee, OLOFOS Workshop “De la science à la métaphysique?” June, 2023
UCLouvain
- Organizing Committee, Société d’histoire et d’épistémologie des sciences de la vie (Shesvie) 2022 June, 2022
UCLouvain, 25 talks, ~60 attendees
- Program Committee, International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB) 2021 July, 2021
Online, 433 attendees
- Organizer, DS²: Digital Studies of Digital Science March, 2021
Online, 28 talks, 250 attendees
- Program Committee, Clash Between the Scientific and the Manifest Image of the World May, 2020
UCLouvain
- Scientific Committee, Explaining Explanation Using New Developments in Logic and Formal Semantics May, 2019
UCLouvain
- Scientific Committee, IX Conference of the Spanish Society for Logic, Methodology, and Philosophy of Science November, 2018
UNED, Madrid

ORGANIZED AND CO-ORGANIZED SESSIONS AND SEMINARS

- Post-Darwinian Societies Seminar (co-organized with Gregory Ponthière) 2022–present
CEFISES and Chaire Hoover, UCLouvain
- GRICE Research Group (Groupe de recherche interdisciplinaire sur la crise écologique, co-organizer) 2019–present
UCLouvain
- Monthly Seminar, History and Philosophy of Conservation Biology 2022–2023
CEFISES, UCLouvain
- Monthly Seminar, Artifacts of Scientific Practice 2019–2020
CEFISES, UCLouvain
- Workshop on Text Mining in Philosophy (co-organized with Christophe Malaterre) 2019
Université du Québec à Montréal
- Monthly Seminar, Historical Explanation 2018–2019
CEFISES, UCLouvain

CHAired CONFERENCE SESSIONS

- Neuroeconomics as a Case of Mechanistic Integration, Caterina Marchionni February, 2019
INSOSCI Symposium, University of Witten/Herdecke
- Developing a Normative Framework for Cyberwarfare November, 2016
United States Naval Academy

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