RESEARCH INTERESTS	Formal Epistemology, Causal Modeling and Metaphysics of Causation, Cognitive and Computational Aspects of Causal Learning, Causal Paradox, Conditionals, Bayesian Reasoning and Bayesian Networks, Foundations of Probability, Decision Theory, Algorithmical Aspects of Classical and Philosophical Logic, Foundations of Artificial Intelligence, Media Philosophy
AREAS OF COMPETENCE	Logic and Philosophy of Science, Computational Linguistics, Automata Theory, Databases, Object Oriented Programming, Cognitive Linguistics

ACADEMIC & ADMIN. EXPERIENCE

Munich University (LMU München), Munich, Germany

☐ Tutor/Teaching assistant at the Chair of Philosophy, Logic and Philosophy of Science, LMU Munich, 2007–2009 (Prof. Dr. Godehard Link) and 2009–2010 (Prof. Dr. Ulises Moulines)

☐ Assistant at the Chair of Logic and Philosophy of Language (with Prof. Dr. Dr. Hannes Leitgeb), LMU Munich, 2010–2011

☐ (Postdoctoral) Research fellow at the Munich Center for Mathematical Philosophy (MCMP), LMU Munich, August 2011 through September 2015

☐ Team leader of the MCMP media team – technical setup, staff coordination, workflow design, and establishment of the video portal *MCMP on iTunes U* for the Munich Center for Mathematical Philosophy;

☐ Researcher in the project group *»Philosophy of Pharmacology: Safety, Statistical Standards, and Evidence Amalgamation«* (funded by grant 639276 of the *European Research Council*, ERC) at the *Munich Center for Mathematical* Philosophy *(MCMP), LMU Munich* (principal investigator: Barbara Osimani), October 2015 through December 2017

Carnegie Mellon University (CMU Pittsburgh), Pittsburgh, USA

☐ Visiting scholar at the *Center for Formal Epistemology* (with Prof. Dr. Kevin T. Kelly), Carnegie Mellon University, Pittsburgh, 2011/winter semester

Johannes Gutenberg University (JGU Mainz), Mainz, Germany

☐ Lecturer in the Philosophy Department (Philosophy of Science and Logic Section, Prof. Dr. Ralf Busse), JGU Mainz, 2012/winter semester
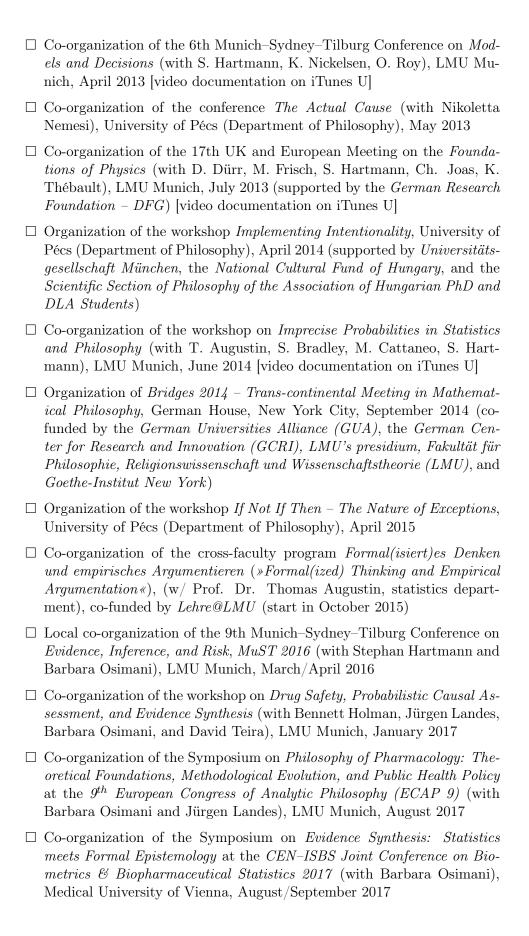
University of Pécs (Pécsi Tudományegyetem), Pécs, Hungary

☐ Guest lecturer in the Faculty of Humanities (Department of Philosophy, Prof. Dr. Janos Boros), University of Pécs, 2013/summer semester

☐ Associate faculty member of the doctoral school of Philosophy (Prof. Dr. Janos Boros), University of Pécs, since 2013

University of Groningen (RUG), Groningen, The Netherlands

☐ Visiting scholar at the *Faculty of Philosophy* (with Prof. Dr. Jan-Willem Romeijn), funded by the *Leverhulme Trust International Network* "The Scientific Approach to Epistemology", University of Groningen, Groningen, April–May, 2017

CONFERENCE/ COLLOQUIUM ORGANIZATION	☐ Organization of the international philosophical workshop *Concrete Causation – Actions, Bayes Nets, Causes, Determinism* (Keynote speaker: Wolfgang Spohn, Konstanz University), LMU Munich, July 2010 (Funding: *Universitätsgesellschaft München* and *Fakultät für Philosophie, Religionswissenschaft und Wissenschaftstheorie*; additional sponsoring: *Langenscheidt Publishing Company*), recording of the talks and preparation for publication on iTunes U: itunes.apple.com/de/itunes-u/id382041859

☐ Organization of the research colloquium *Forum Logic – Logic, Formal Epistemology, and Philosophy of Mathematics* (Akad. Forschungskolloquium »Forum Logik«), LMU Munich, 2010/summer semester and winter semester

☐ Organization of the philosophical workshop *Causal Worlds – Aspects of Semantics and Pragmatics in Lewis, Menzies, Pearl* (Forum Logik Open Session; Patenschaft: Hans Rott, Regensburg University), LMU Munich, January 2011

☐ Co-organization of the talk series *MCMP & Statistics Department* (with the *Research Colloquium on Foundations of Statistics*), LMU Munich, 2011/summer semester

☐ Organization of the *Round Table on Acceptance* with Hannes Leitgeb (MCMP), Kevin T. Kelly (Center for Formal Epistemology, CMU Pittsburgh), Hanti Lin (CMU Pittsburgh) – LMU Munich, February 2012 [video documentation on iTunes U]

☐ Organization of the mini lecture series *Ockham's Razor* including the *Open Workshop on Simplicity in Belief Revision* with Prof. Kevin T. Kelly (Center for Formal Epistemology, CMU Pittsburgh), LMU Munich, February 2012

☐ Organization of the workshop *Piece of Cake! – Didactics, Media, Marketing* (on classroom didactics, science communication, research marketing), LMU Munich, March 2012 (in cooperation with *Virtuelle Hochschule LMU*)

☐ Local co-organization of the *Ninth Annual Formal Epistemology Workshop (FEW 2012)* at the Munich Center for Mathematical Philosophy (with H. Leitgeb, F. Steinberger, V. Crupi, O. Hjortland), LMU Munich, May 2012 [video documentation on iTunes U]

☐ Organization of the *Round Table on Coherence* with Branden Fitelson (Rutgers) and Richard Pettigrew (Bristol) – LMU Munich, July 2012 [incl. creation of the Round Table Media Package/video documentation for iTunes U]

☐ Organization of the seminar series *Formal Informal* on statistical methodology and philosophical inquiry (joint event of the MCMP and the *Research Colloquium on Foundations of Statistics*), LMU Munich

    ☐ *The Markov Condition* (2012/summer semester)

    ☐ *Inductive Logic and Probabilities* (2012/summer semester)

    ☐ *Imprecise Probabilities* (2012/winter semester)

    ☐ *Updating and Learning* (2014/winter semester)

- ☐ Co-organization of the 6th Munich–Sydney–Tilburg Conference on *Models and Decisions* (with S. Hartmann, K. Nickelsen, O. Roy), LMU Munich, April 2013 [video documentation on iTunes U]

- ☐ Co-organization of the conference *The Actual Cause* (with Nikoletta Nemesi), University of Pécs (Department of Philosophy), May 2013

- ☐ Co-organization of the 17th UK and European Meeting on the *Foundations of Physics* (with D. Dürr, M. Frisch, S. Hartmann, Ch. Joas, K. Thébault), LMU Munich, July 2013 (supported by the *German Research Foundation – DFG*) [video documentation on iTunes U]

- ☐ Organization of the workshop *Implementing Intentionality*, University of Pécs (Department of Philosophy), April 2014 (supported by *Universitätsgesellschaft München*, the *National Cultural Fund of Hungary*, and the *Scientific Section of Philosophy of the Association of Hungarian PhD and DLA Students*)

- ☐ Co-organization of the workshop on *Imprecise Probabilities in Statistics and Philosophy* (with T. Augustin, S. Bradley, M. Cattaneo, S. Hartmann), LMU Munich, June 2014 [video documentation on iTunes U]

- ☐ Organization of *Bridges 2014 – Trans-continental Meeting in Mathematical Philosophy*, German House, New York City, September 2014 (co-funded by the *German Universities Alliance (GUA)*, the *German Center for Research and Innovation (GCRI)*, LMU's presidium, *Fakultät für Philosophie, Religionswissenschaft und Wissenschaftstheorie (LMU)*, and *Goethe-Institut New York*)

- ☐ Organization of the workshop *If Not If Then – The Nature of Exceptions*, University of Pécs (Department of Philosophy), April 2015

- ☐ Co-organization of the cross-faculty program *Formal(isiert)es Denken und empirisches Argumentieren* (»*Formal(ized) Thinking and Empirical Argumentation*«), (w/ Prof. Dr. Thomas Augustin, statistics department), co-funded by *Lehre@LMU* (start in October 2015)

- ☐ Local co-organization of the 9th Munich–Sydney–Tilburg Conference on *Evidence, Inference, and Risk, MuST 2016* (with Stephan Hartmann and Barbara Osimani), LMU Munich, March/April 2016

- ☐ Co-organization of the workshop on *Drug Safety, Probabilistic Causal Assessment, and Evidence Synthesis* (with Bennett Holman, Jürgen Landes, Barbara Osimani, and David Teira), LMU Munich, January 2017

- ☐ Co-organization of the Symposium on *Philosophy of Pharmacology: Theoretical Foundations, Methodological Evolution, and Public Health Policy* at the 9th *European Congress of Analytic Philosophy (ECAP 9)* (with Barbara Osimani and Jürgen Landes), LMU Munich, August 2017

- ☐ Co-organization of the Symposium on *Evidence Synthesis: Statistics meets Formal Epistemology* at the *CEN–ISBS Joint Conference on Biometrics & Biopharmaceutical Statistics 2017* (with Barbara Osimani), Medical University of Vienna, August/September 2017

Munich University (LMU München), Munich, Germany

☐ *Formal Logic I* (*»Formale Logik 1«:* Formalization of Natural Language and Philosophical Arguments, Set Theory, Functions, Syntax and Semantic of Propositional and First Order Logic, Identification and Abstraction, Kalish-Montague Calculus for PL, FOL, and Set Theory); Tutor/Teaching Assistant with Prof. Dr. Godehard Link

    ☐ 2007/winter semester
    ☐ 2008/winter semester

☐ *Formal Logic II* (*»Formale Logik 2«:* Computability, (Implementing) Turing Machines, Undecidability of First Order Logic, Arithmetical Truth, Goedel's Incompleteness Theorem, Mind and Machines); Tutor/Teaching Assistant with Prof. Dr. Godehard Link

    ☐ 2007/summer semester
    ☐ 2008/summer semester
    ☐ 2009/summer semester

☐ *Formal Logic I* (*»Formale Logik 1«*, as above), with Marek Polanski p. p. Prof. Dr. C. Ulises Moulines (2009/winter semester)

☐ Tutorial *Typesetting with LaTeX for Philosophers*

    ☐ 2007/winter semester
    ☐ 2008/winter semester
    ☐ 2009/winter semester

☐ Seminar *Logic and Computability* (*»Logik und Berechenbarkeit: Rekursive Funktionen und Turing-Maschinen«*: Formal Languages, Automata Theory, Chomsky Hierarchy, Computability, Turing Machines and Recursive Functions, Mind and Machines)

    ☐ 2010/summer semester
    ☐ 2011/summer semester

☐ Seminar *Modeling Causal Relations* – in English (Regularity Theory, Counterfactual Analysis, Probabilistic Accounts, Causal Models and Interventionist Approaches, Determinism, Mechanisms, Defaults, Ranking Theory), project *research-based teaching* (with recordings from the workshop »Concrete Causation«, July 2010) (2010/winter semester)

☐ *Sounds Logical! A Very Short Introduction to Logic* (*»Na logisch! Eine sehr kurze Einführung in die Logik«*) – One session introductory course at the LMU philosophy try-out study days for secondary school students (September 2010)

☐ *Formal(isiert)es Denken und empirisches Argumentieren: Zusammenhänge präzisieren im Modell* (*»Formal(ized) Thinking and Empirical Argumentation: Specifying Relationships in Models«*) – cross-faculty introductory course, co-teaching with LMU's statistics department (Prof. Thomas Augustin), co-funded by *Lehre@LMU*

    ☐ 2015/winter semester
    ☐ 2016/summer semester

- ☐ 2016/winter semester
- ☐ 2017/summer semester
- ☐ 2017/winter semester

☐ *Philosophy of Game-Theoretic Probability* – in English (co-teaching with Jürgen Landes and Barbara Osimani), seminar (2015/winter semester)

☐ *Philosophy of Causality* – in English (co-teaching with Barbara Osimani), seminar (2016/summer semester)

☐ *Formal Epistemology* – in English (co-teaching with Barbara Osimani), seminar (2016/winter semester)

Johannes Gutenberg University (JGU Mainz), Mainz, Germany

☐ *Philosophy of Science – The Order in Things (»Wissenschaftsphilosophie – Die Ordnung in den Dingen«: Theory, Model, Explanation, Confirmation, Paradigm, Progress, Probability, Causality)*, advanced seminar (2012/winter semester)

University of Pécs (Pécsi Tudományegyetem), Pécs, Hungary

☐ *Reasoning about Causes – Ontological Aspects and Formal Accounts* (Probability, Correlation, Causation, Counterfactuals, Bayes Nets, Control and Intervention, Ontology, Epistemology, and Paradoxes), lecture (2013/ summer semester)

☐ *Building Brains – Intelligence, Computability, and the Mind* (Computability and its Limits, Turing Machines, Church's Thesis, Recursive Functions, Mind and Brain, Implementability of Ethical Theories, Autonomy and Causal Planning), seminar (2013/winter semester); supported by *Universitätsgesellschaft München*

☐ *If This Then That – The Logic of Conditionals* (Discourse Representation Theory, Stalnaker-Lewis Semantics, Ramsey Test, Indicative and Subjunctive Conditionals, Decision Theory, Counterfactuals and Causal Models), seminar (2015/summer semester)

Venice International University (VIU), Venice, Italy

☐ *L'Homme Machine – Interdisciplinary Seminar at the Interface of Philosophy, Cognitive Neuroscience, and Humanoid Robotics* (co-teaching with Fiorella Battaglia, Humboldt University Berlin), advanced seminar (2013/summer semester)

University of Stellenbosch (US), Stellenbosch, South Africa

☐ *De/Encoding Cause and Effect – Philosophical and Computational Aspects* (Bayesian Networks and Causal Graphs, the Interventionist Account of Causality, Causal Decision Theory, Events and Causal Paradox, Causal Hypotheses and Evidence Amalgamation), advanced course at the *Center for Artificial Intelligence Research, CAIR* (2016/winter semester)
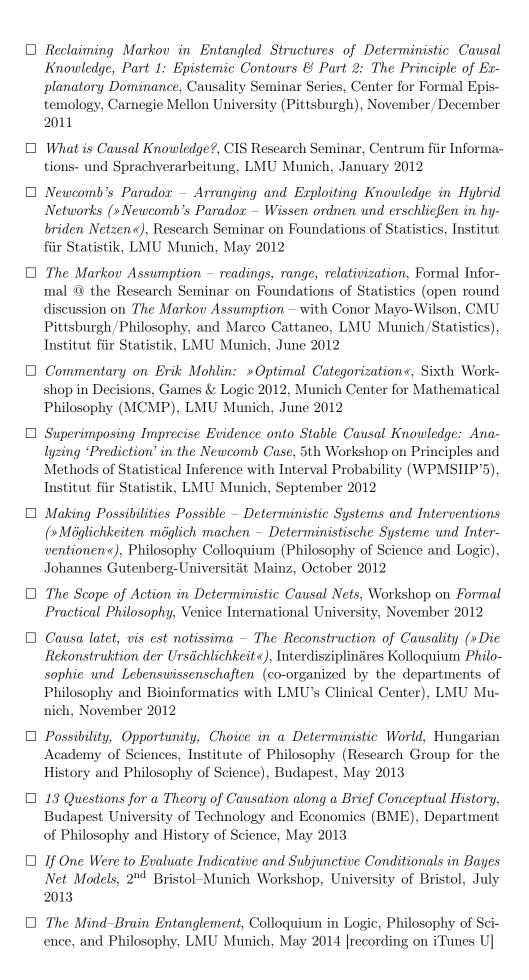
PUBLICATIONS

☐ Poellinger, Roland: Analogy-Based Inference Patterns in Pharmacological Research. In: A. LaCaze, B. Osimani (eds.) *Uncertainty in Pharmacology.* Boston Studies in the Philosophy and History of Science 338. Springer, 2020; DOI: `10.1007/978-3-030-29179-2_5`.
[analogy, evidence amalgamation, hypothesis confirmation, computational simulation]

☐ Osimani, Barbara & Roland Poellinger: *A Protocol for Model Validation and Causal Inference from Computer Simulation.* In: M. Bertolaso, F. Sterpetti (eds.) *A Critical Reflection on Automated Science. Human Perspectives in Health Sciences and Technology*, vol. 1. Springer, 2020. DOI: `10.1007/978-3-030-25001-0_9`
[systems biology, computer simulation, model validation, causal inference]

☐ Fletcher, Samuel, Jürgen Landes, Roland Poellinger (eds.): Special Issue on *Evidence Amalgamation in the Sciences.* Synthese, 2019. Collection: `link.springer.com/journal/11229/volumes-and-issues/196-8`

☐ Fletcher, Samuel, Jürgen Landes, Roland Poellinger: *Evidence amalgamation in the sciences: an introduction.* Synthese 196, 3163–3188, 2019. DOI: `10.1007/s11229-018-1840-6`
[variety of evidence, Bayesian epistemology, causality, extrapolation]

☐ Barbara Osimani, Marta Bertolaso, Roland Poellinger, Emanuele Frontoni: *Real and Virtual Clinical Trials: A Formal Analysis.* Topoi, 2018; DOI: `10.1007/s11245-018-9563-3`.
[ISCTs, modeling and simulation, RCTs, medical experiments, reliability of evidence]

☐ Landes, Jürgen, Barbara Osimani, Roland Poellinger: Epistemology of Causal Inference in Pharmacology: Towards a Framework for the Assessment of Harms. *European Journal for Philosophy of Science (EJPS)*, 2017. DOI: `10.1007/s13194-017-0169-1`;
preprint URN: `http://philsci-archive.pitt.edu/12294`.
[scientific inference, Bayesian epistemology, risk assessment, pharmacology]

☐ Poellinger, Roland: Moralisches Entscheiden in Künstlichen Systemen. In: K. Lutz, R. Bader (eds.) *Internet der Dinge. merz | medien + erziehung* 4/2016 , kopaed Verlag München, 2016.
[artificial moral agents, formal ethics, moral Turing test, autonomy and responsibility]

☐ Poellinger, Roland: Wer da? – Turings Test in virtuellen Spielwelten. In: K. Demmler, K. Lutz, S. Ring (eds.) *Computerspiele und Medienpädagogik. Konzepte und Perspektiven. Materialien zur Medienpädagogik*, Band 11, kopaed Verlag München, 2014.
[Turing test, artificial intelligence, simulation, virtual reality, media philosophy]

☐ Hubert, Mario & Roland Poellinger: Anchoring Causal Connections in Physical Concepts. In: Galavotti, M., Dieks, D., Gonzalez, W., Hartmann, S., Uebel, T., Weber, M. (eds.) *New Directions in the Philosophy of Science. The Philosophy of Science in a European Perspective*, vol. 5, Springer, 2014. DOI: `10.1007/978-3-319-04382-1_35`;
preprint URN: `http://philsci-archive.pitt.edu/12615/`.
[space-time models, General Relativity, time and causation, symmetry of determination, neo-Russellianism, formal theories of causation, philosophy of physics]

☐ Poellinger, Roland: Disentangling Causal Connections and Informational Links. In: D. Bordonaba, M. Heras (eds.) *Proceedings of the 21st meeting of the European Society for Philosophy & Psychology*, ESPP, 2013.

☐ Poellinger, Roland: Concrete Causation – About the Structures of Causal Knowledge. Doctoral dissertation, Ludwig-Maximilians-Universität München, 2012, URN: `urn:nbn:de:bvb:19-171789`.

WORKING PAPERS

☐ Poellinger, Roland: *On the Ramifications of Theory Choice in Causal Assessment: Indicators of Causation and Their Conceptual Relationships.* 2017. Preprint URN: `https://philsci-archive.pitt.edu/23021`.

☐ Beebe, Cameron & Roland Poellinger: *Bayesian Confirmation from Analog Models.* 2017.
Preprint URN: `https://philsci-archive.pitt.edu/23020`.
[analogical arguments, theory confirmation, Bayesian networks, scientific inference]

☐ Poellinger, Roland: *Unboxing the Concepts in Newcomb's Paradox: Causation, Prediction, Decision in Causal Knowledge Patterns* (a reply to SPOHN's solution in reflexive decision graphs), 2013.
Preprint URN: `https://philsci-archive.pitt.edu/9887`.
[Newcomb's paradox, causal decision theory, dominance vs maximum expected utility, interventionism, non-causal knowledge, Prisoner's Dilemma, David Lewis]

CONTRIBUTED TALKS

☐ *Causation and Causality: Pearl and Lewis (»Causation und Causality: Pearl und Lewis«)*, seminar colloquium at the Seminar for Philosophy, Logic, and Philosophy of Science, LMU Munich, November 2009

☐ *Deterministic? – Truly Deterministic! Pearl's Analysis of Causation (»Deterministic? – Truly Deterministic! Pearls Analyse der Verursachung«)*, Workshop *The Cement of the Universe*, Venice International University, March 2010

☐ *Graphs as Models of Interventions*, Workshop *Concrete Causation – Actions, Bayes Nets, Causes, Determinism*, LMU Munich, July 2010 [recording on iTunes U]

☐ *Commentary on Stefan Ruhland: »Is Causality an Absolute Relation?« (Zu Stefan Ruhland: »Ist Kausalität eine absolute Relation?«)*, Workshop *Causal Worlds – Aspects of Semantics and Pragmatics in Lewis, Menzies, Pearl*, LMU Munich, January 2011

☐ *Disentangling Nets for Causal Inference*, MCMP presentation at XXII. Deutscher Kongress für Philosophie (DGPhil) *»Welt der Gründe«*, LMU Munich, September 2011 [recording on iTunes U]

☐ *Unboxing the Concepts in Newcomb's Paradox: Causation, Prediction, Decision in Causal Knowledge Patterns*, Conference *Models and Decisions*, 6th Munich–Sydney–Tilburg Meeting, LMU Munich, April 2013

☐ *Indicative vs. Subjunctive Conditionals and the Actual Cause*, Conference *The Actual Cause*, University of Pécs (Hungary), Doctoral School of Philosophy, May 2013

☐ *The Scope of Action in Deterministic Causal Nets*, 41st Annual Meeting of the Society for Exact Philosophy (SEP), Université de Montréal and Université du Québec à Montréal, May 2013

☐ *Disentangling Causal Connections and Informational Links*, 21st Annual Meeting of the European Society for Philosophy and Psychology (ESPP), Faculty of Psychology, University of Granada (Spain), July 2013

- ☐ *Relating Physical and Intentional States in Computable Structures*, Workshop *Implementing Intentionality*, University of Pécs (Hungary), Doctoral School of Philosophy, April 2014

- ☐ *Decision-Making in the Loop and the Moral Imitation Game* (joint work with Fiorella Battaglia), SILFS 2014 – Triennial International Conference of the Italian Society for Logic and Philosophy of Sciences, University of Rome »Roma TRE«, June 2014

- ☐ *Nested Difference-Makers*, Workshop *If Not If Then – The Nature of Exceptions*, University of Pécs (Hungary), Doctoral School of Philosophy, April 2015

- ☐ *Non-Causal Links in Causal Chains*, 8th Munich-Sydney-Tilburg (MuST) Conference in Philosophy of Science on *Objectivity in Science*, Tilburg University (The Netherlands), June 2015

- ☐ *Bell's Theorem and Non-Markovian Network Models* (w/ Mario Hubert), Conference on *Causal and Probabilistic Reasoning*, Munich Center for Mathematical Philosophy/LMU Munich, June 2015

- ☐ *The Problem of Mental Causation in Non-Markovian Network Models*, 23rd Annual Meeting of the European Society for Philosophy and Psychology (ESPP), Faculty of Philosophy, University of Tartu (Estonia), July 2015

- ☐ *Belief Propagation in Epistemic Graphs for Assessing Causal Hypotheses of Harm in Pharmacology* (w/ Jürgen Landes and Barbara Osimani), presented by Jürgen Landes at *LogiCIC Workshop 2015 (Reasoning in Social Context)*, Philosophy Department, University of Amsterdam, November 2015

- ☐ *Confirmation via In Silico Simulation*, 9th Munich–Sydney–Tilburg Conference in Philosophy of Science on *Evidence, Inference, and Risk, MuST 2016*, LMU Munich, March/April 2016

- ☐ *Bayesian Confirmation from Analog Models* (w/ Cameron Beebe)
  - ☐ Conference on *Models and Simulations 7 (MS7)*, University of Barcelona, May 2016
  - ☐ International workshop on *Reasoning in Physics*, Center for Advanced Studies (CAS), LMU Munich, December 2016

- ☐ *Modeling and Simulating Epistemic Dynamics in Pharmaceutical Harm Assessment* (w/ Jürgen Landes and Barbara Osimani), presented by Barbara Osimani at the conference on *Models and Simulations 7 (MS7)*, University of Barcelona, May 2016

- ☐ *Variable Entanglement in Bayes Net Causal Models* (poster), conference on *Conditional Independence Structures and Extremes (2016)*, Chair of Mathematical Statistics, Technical University of Munich (TUM), October 2016

- ☐ *Learning from Relevant Evidence: Similarity and Analogy in Pharmacology*, 10th Munich–Sydney–Tilburg Conference in Philosophy of Science on *Causation and Complexity, MuST 2017*, Sydney Centre for the Foundations of Science (SCFS), University of Sydney, March 2017

- *Probabilistic Causal Inference through Evidence Amalgamation* (w/ Jürgen Landes and Barbara Osimani), annual meeting of the *Nordic Network for Philosophy of Science, NNPS 2017*, University of Copenhagen, April 2017

- *Confirmation, Disconfirmation, and Discovery of Mechanistic Hypotheses* – commentary on *Vlasta Sikimić: Discovering Disease-Causing Mechanisms. An Argumentation Perspective.* Annual meeting of the *Nordic Network for Philosophy of Science, NNPS 2017*, University of Copenhagen, April 2017

- *Relevance, Similarity, and Analogy: Knowledge Transfer in Pharmacological Research*, international conference on *Reasoning and Argumentation in Science*, Center for Advanced Studies (CAS), LMU Munich, May 2017

- *Probabilistic Causal Inference through Evidence Synthesis* (w/ Jürgen Landes and Barbara Osimani), *12th Causality in the Sciences* conference on *Time and Causality in the Sciences* (TaCitS 2017), Computer Science Dept., Stevens Institute of Technology, Hoboken, New Jersey, June 2017

- *Towards Robust Causal Claims in Pharmacological Risk Assessment*, SILFS 2017 – Triennial International Conference of the Italian Society for Logic and Philosophy of Sciences, University of Bologna, June 2017

- *Probabilistic Causal Inference from Heterogeneous Evidence* (w/ Jürgen Landes and Barbara Osimani), conference on *Mechanisms in Medicine*, Centre for Reasoning, University of Kent, Canterbury (UK), July 2017

- *Relevance, Similarity, and Analogy in Pharmacology – a Bayesian Reconstruction*, conference on *Formal Models of Scientific Inquiry (FMSI)*, Institute of Philosophy II, Ruhr-University Bochum (RUB), July 2017

- *Tracing Analogical Arguments in Pharmacology*, *9th European Congress of Analytic Philosophy* (ECAP9), LMU Munich, August 2017

- *Confirmation by Analogy in Pharmacology*, annual conference of the *European Philosophy of Science Association* (EPSA17), University of Exeter, UK, September 2017

INVITED TALKS

- *Commentary on Florian Leiß: »Actions, Brains, and Events«*, Workshop on Action Theory, Münchner Kompetenzzentrum Ethik, LMU Munich, October 2010

- *Structures of Causal Knowledge (»Strukturen kausalen Wissens«)*, Research Seminar on Foundations of Statistics, Institut für Statistik, LMU Munich, May 2011

- *Computing Non-Causal Knowledge for Causal Reasoning*, Workshop on Computational Metaphysics, Munich Center for Mathematical Philosophy (MCMP), LMU Munich, June 2011 [recording on iTunes U]

- *Newcomb's Paradox and Its Intuitively Adequate Solution in Causal Knowledge Patterns*, Logic Seminar Series, Philosophy Section of the School of Historical and Philosophical Studies, University of Melbourne, October 2011

- *Reclaiming Markov in Entangled Structures of Deterministic Causal Knowledge, Part 1: Epistemic Contours & Part 2: The Principle of Explanatory Dominance*, Causality Seminar Series, Center for Formal Epistemology, Carnegie Mellon University (Pittsburgh), November/December 2011

- *What is Causal Knowledge?*, CIS Research Seminar, Centrum für Informations- und Sprachverarbeitung, LMU Munich, January 2012

- *Newcomb's Paradox – Arranging and Exploiting Knowledge in Hybrid Networks (»Newcomb's Paradox – Wissen ordnen und erschließen in hybriden Netzen«)*, Research Seminar on Foundations of Statistics, Institut für Statistik, LMU Munich, May 2012

- *The Markov Assumption – readings, range, relativization*, Formal Informal @ the Research Seminar on Foundations of Statistics (open round discussion on *The Markov Assumption* – with Conor Mayo-Wilson, CMU Pittsburgh/Philosophy, and Marco Cattaneo, LMU Munich/Statistics), Institut für Statistik, LMU Munich, June 2012

- *Commentary on Erik Mohlin: »Optimal Categorization«*, Sixth Workshop in Decisions, Games & Logic 2012, Munich Center for Mathematical Philosophy (MCMP), LMU Munich, June 2012

- *Superimposing Imprecise Evidence onto Stable Causal Knowledge: Analyzing 'Prediction' in the Newcomb Case*, 5th Workshop on Principles and Methods of Statistical Inference with Interval Probability (WPMSIIP'5), Institut für Statistik, LMU Munich, September 2012

- *Making Possibilities Possible – Deterministic Systems and Interventions (»Möglichkeiten möglich machen – Deterministische Systeme und Interventionen«)*, Philosophy Colloquium (Philosophy of Science and Logic), Johannes Gutenberg-Universität Mainz, October 2012

- *The Scope of Action in Deterministic Causal Nets*, Workshop on *Formal Practical Philosophy*, Venice International University, November 2012

- *Causa latet, vis est notissima – The Reconstruction of Causality (»Die Rekonstruktion der Ursächlichkeit«)*, Interdisziplinäres Kolloquium *Philosophie und Lebenswissenschaften* (co-organized by the departments of Philosophy and Bioinformatics with LMU's Clinical Center), LMU Munich, November 2012

- *Possibility, Opportunity, Choice in a Deterministic World*, Hungarian Academy of Sciences, Institute of Philosophy (Research Group for the History and Philosophy of Science), Budapest, May 2013

- *13 Questions for a Theory of Causation along a Brief Conceptual History*, Budapest University of Technology and Economics (BME), Department of Philosophy and History of Science, May 2013

- *If One Were to Evaluate Indicative and Subjunctive Conditionals in Bayes Net Models*, 2nd Bristol–Munich Workshop, University of Bristol, July 2013

- *The Mind–Brain Entanglement*, Colloquium in Logic, Philosophy of Science, and Philosophy, LMU Munich, May 2014 [recording on iTunes U]

- ☐ *Non-Causal Links in Causal Chains*, Bridges 2014 – Trans-Continental Meeting in Mathematical Philosophy, tandem session with M. Strevens on *Unifying Causal and Non-Causal Knowledge*, German House, New York City, September 2014 [recording on iTunes U]

- ☐ *The Problem of Mental Causation in Non-Markovian Network Models*, Hungarian Academy of Sciences, Institute of Philosophy (Research Group for the History and Philosophy of Science), Budapest, May 2015

- ☐ *Nesting Causal Models and Evidential Relations in Pharmacology* (w/ Barbara Osimani), 8th Workshop on Principles and Methods of Statistical Inference with Interval Probability (WPMSIIP'8), Institut für Statistik, LMU Munich, September 2015

- ☐ *A Coherentist Approach to Probabilistic Causal Assessment* (w/ Barbara Osimani), presented by Barbara Osimani at *Bridges 2015*, Philosophy Department, Rutgers University, New Jersey, September 2015

- ☐ *Shaping Causal Claims in Pharmacology: The Interplay between Population Characteristics and Causal Structure*, workshop on *Drug Safety, Probabilistic Causal Assessment, and Evidence Synthesis*, LMU Munich, January 2017

- ☐ *Causal Similarity, Evidential Relevance, and Analogical Inference*, workshop on *Causality in Psychological Modeling*, University of Groningen, Department of Theoretical Philosophy, May 2017

- ☐ *Analogy, Extrapolation, and Causal Similarity*, workshop on *Idealization, Causation, and Explanation*, LMU Munich, May 2017

- ☐ *Modeling Cause and Effect – Philosophical and Computational Aspects*, opening lecture at the workshop on *Causation, Explanation, Conditionals* organized by the *Graduate School of Systemic Neurosciences (GSN)* and the *Bernstein Center for Computational Neuroscience (BCCN)*, Evangelische Akademie Tutzing, June 2017

- ☐ *Reproducibility, Reliability, and Relevance: a Bayesian Framework for Evidence Synthesis in Pharmacology* (with Barbara Osimani), symposium on *Evidence Synthesis: Statistics meets Formal Epistemology* at the *CEN–ISBS Joint Conference on Biometrics & Biopharmaceutical Statistics 2017*, Medical University of Vienna, August 2017

ACADEMIC SERVICE

Reviewing for

- ☐ *Erkenntnis*
- ☐ *Journal for General Philosophy of Science*
- ☐ *Review of Symbolic Logic*
- ☐ *Minds and Machines*
- ☐ *Philosophy of Science*
- ☐ *Boston Studies in Philosophy of Science*

Member of various program committees: *Munich–Sydney–Tilburg Conference* 2013 (Munich), *Foundations of Physics* 2013 (Munich), Workshop on *Imprecise Probabilities in Statistics and Philosophy* 2014 (Munich), Conference on *Real Possibilities, Indeterminism and Free Will* 2015 (Konstanz), *Munich–Sydney–Tilburg Conference* 2016 (Munich), *2nd Munich Graduate Workshop in Mathematical Philosophy* 2016 (Munich)

FURTHER ACADEMIC AFFILIATIONS	☐ Member of *Gesellschaft für Analytische Philosophie (GAP)* (since 2008)
	☐ Member of the *e-fellows.net Alumni Network* (since 2006)
	☐ Coordinator of the workgroup *MindMapsCause* (systemic organization, representation, and operation) – Philosophy, Logic, and Philosophy of Science Section, LMU (2010–2014)
	☐ Member of the *Society for Exact Philosophy (SEP)* (since 2013)
	☐ Member of the *European Society for Philosophy & Psychology (ESPP)* (since 2013)
	☐ Member of the *Italian Society for Logic and Philosophy of Science (SILFS)* (since 2014)

AREAS OF APPLICATION	Artificial Intelligence, Knowledge Representation, Database Design, Structural Analysis and Process Development, Scientific Visualization, Science Communication and Research Marketing

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