

# Mario Günther

## RESEARCH PROFILE

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**AOS:** Formal Epistemology, Causality

**AOC:** Logic, Philosophy of Language, Philosophy of Cognitive Science, General Philosophy of Science

## POSITIONS

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Now **Postdoc in Philosophy**

“Reasoning with Conditionals” (DFG Project)  
New Frameworks of Rationality  
*University of Regensburg*  
HANS ROTT

## EDUCATION

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2018 **PhD in Philosophy**

“Learning, Conditionals, Causation”  
*MCMP & GSN, LMU Munich*  
HANNES LEITGEB, STEPHAN HARTMANN, STEPHAN  
SELLMAIER, HOLGER ANDREAS

2015 **Master in Logic and Philosophy of Science**

“Non-Monotonic Logics, Artificial Neural Networks, and Complexity Considerations in the Horn Case”  
*MCMP, LMU Munich*  
OLIVIER ROY, HANNES LEITGEB, GREGORY  
WHEELER

2012 **Bachelor in Philosophy and Cognitive Science**

“The Methodology of Scientific Research Programmes as Modification of Popper’s Falsificationism”  
*Albert Ludwig University Freiburg i. Br.*  
MAARTEN J. F. M. HOENEN

## PEER-REVIEWED ARTICLES

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2018 “A Ramsey-Test Analysis of Causation for Causal Models” (with Holger Andreas)

*British Journal for the Philosophy of Science* (forthcoming)

2018 “On the Ramsey Test Analysis of ‘Because’” (with Holger Andreas)

*Erkenntnis* (forthcoming)

2018 “Learning Conditional Information by Jeffrey Imaging on Stalnaker Conditionals”

*Journal of Philosophical Logic* 47 (5):851-876.

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@ [mario-guenther.com](http://mario-guenther.com)  
📁 [mcmp.philosophie.uni-muenchen.de/guenther](http://mcmp.philosophie.uni-muenchen.de/guenther)  
🗣 English, German, French, Ancient Greek

## MISCELLANEOUS PUBLICATIONS

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2018 “What’s Hot in Mathematical Philosophy?”

*The Reasoner*, 12 (11): 90-91.

2017 “Disjunctive Antecedents for Causal Models”

*Proceedings of the 21<sup>st</sup> Amsterdam Colloquium*, 25-34.

## TEACHING POSITIONS

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2018 “Decisions and Machines” (English)  
INVITED LECTURER UNIVERSITY OF BAYREUTH

2017 “Philosophy of AI” (English)  
INVITED LECTURER UNIVERSITY OF BAYREUTH

2017 “Bayesian Philosophy of Science” (English)  
*Guest Lecturer on Bayesian Networks*  
STEPHAN HARTMANN, LMU MUNICH

## ORGANISATION OF EVENTS

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2018 Seminar “The Ethics of Artificial Intelligence”  
VENICE INTERNATIONAL UNIVERSITY, SAN SERVOLO, ITALY  
Co-organizer

2018 Seminar “Versions of Realism”  
VENICE INTERNATIONAL UNIVERSITY, SAN SERVOLO, ITALY  
Co-organizer

2017 International Workshop “Democracy as a Form of Life”  
PARMENIDES FOUNDATION, GERMANY  
Co-organizer

2017 ECAP9 Symposium on “Current Trends in Neurophilosophy”  
LMU MUNICH, GERMANY  
Organizer at the 9<sup>th</sup> European Congress of Analytic Philosophy

2017 Conference “Causation, Explanation, Conditionals”  
EV. AKADEMIE, TUTZING (LAKE STARNBERG) AND  
LMU MUNICH, GERMANY  
Main organizer of an international conference supported by the GSN, the Bernstein Center for Computational Neuroscience, and the MCMP

2017 Seminar “Epistemology and Ethics”  
VENICE INTERNATIONAL UNIVERSITY, SAN SERVOLO, ITALY  
Co-organizer

2015 Conference “Predictive Brain”  
VENICE INTERNATIONAL UNIVERSITY, SAN SERVOLO, ITALY  
Co-Organizer

2017 “Disjunctive Antecedents for Causal Models” (invited)  
AMSTERDAM COLLOQUIUM WORKSHOP ON CAUSALITY AND SEMANTICS, INSTITUTE OF LOGIC, LANGUAGE, AND COMPUTATION, NETHERLANDS

2017 “Interventionist Mental Causation based on Neuroscientific Methods” (invited)  
ECAP9 SYMPOSIUM ON “CURRENT TRENDS IN NEUROPHILOSOPHY”, LMU, GERMANY

2017 “Learning Conditional & Causal Information by Jeffrey Imaging on Stalnaker Conditionals” (invited)  
UNIVERSITY OF BRITISH COLUMBIA, CANADA

2017 “Causation as Production” (invited)  
LMU, GERMANY

2017 “Learning Conditional Information by Jeffrey Imaging on Stalnaker Conditionals” (invited)  
CAS WORKSHOP “LEARNING CONDITIONALS”, LMU, GERMANY

2016 “The Predictive Role and Content of Memory in Friston’s Free Energy Framework” (refereed)  
WORKSHOP ON MEMORY CONSOLIDATION, VENICE INTERNATIONAL UNIVERSITY, ITALY

2016 “Learning Conditional Information by Jeffrey Imaging on Stalnaker Conditionals” (refereed)  
INTERNATIONAL RATIONALITY SUMMER INSTITUTE, JUSTUS LIEBIG UNIVERSITY, GERMANY

2016 “A Ramsey Test Analysis of ‘Because’” (refereed)  
2ND MUNICH GRADUATE WORKSHOP IN MATHEMATICAL PHILOSOPHY: FORMAL EPISTEMOLOGY, MCMP, LMU, GERMANY

2015 “Formal Intro to the Free Energy Principle and Bayesian Inference” (invited)  
OPENING LECTURE FOR THE PREDICTIVE BRAIN CONFERENCE AT VENICE INTERNATIONAL UNIVERSITY, SAN SERVOLO, ITALY

2015 “Intro to Non-Monotonic Logics, Artificial Neural Networks, and Complexity Considerations in the Horn Case” (invited)  
TU MUNICH, GERMANY

2013 “A Reconstruction of Descartes’s Dream Argument” (refereed)  
PRESENTATION FOR THE DGL (DECISIONS, GAMES, LOGIC), ROYAL INSTITUTE OF TECHNOLOGY (KTH), STOCKHOLM, SWEDEN

## HONORS, AWARDS, GRANTS

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2015 Doctoral Fellowship Grant  
GSN

2014 Top 10% of the MCMP master students (refund of study fees).

2011-12 Grant for independent studies  
UNIVERSITÉ PARIS-SORBONNE (*Paris IV*)

2009/10 Top 5% in the Cognitive Science II exam  
ALBERT LUDWIG UNIVERSITY FREIBURG

2008 Top 10% in the Formal Logic I exam  
ALBERT LUDWIG UNIVERSITY FREIBURG

## SELECTED TALKS

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2018 “Explanatory Conditionals” (refereed)  
11TH MUST CONFERENCE IN PHILOSOPHY OF SCIENCE: MODELS OF EXPLANATION, UNIVERSITY OF TURIN, ITALY

2018 “Interventionist Mental Causation and the Methods of Cognitive Neuroscience: The Explanatory Merit of Functional Reduction” (invited)  
JERUSALEM-MUNICH WORKSHOP, EDELSTEIN CENTER FOR PHILOSOPHY OF SCIENCE, ISRAEL

2018 “Interventionist Mental Causation and the Methods of Cognitive Neuroscience” (invited)  
UNIVERSITY OF BRITISH COLUMBIA, CANADA

## REFEREE SERVICE

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- 2017 “Causation, Explanation, Conditionals”  
GSN/BCCN/MCMP, LMU  
Program chair
- 2016 “2<sup>nd</sup> Munich Graduate Workshop in Mathematical  
Philosophy: Formal Epistemology”  
MCMP, LMU  
Program committee member for the MCMP

## RESEARCH STAYS

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- 2018 “International Rationality Summer Institute 2018”  
LMU MUNICH, IRSEE
- 2017 Research Stay  
UNIVERSITY OF BRITISH COLUMBIA, KELOWNA
- 2016 “International Rationality Summer Institute 2016”  
JUSTUS LIEBIG UNIVERSITY, AURICH
- 2015 “European Summer School of Logic, Language and  
Computation”  
UNIVERSITY POMPEU FABRA, BARCELONA
- 2011-12 “Studies in Philosophy and Cognitive Science”  
UNIVERSITY PARIS-SORBONNE (PARIS IV), PARIS

## REFERENCES

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PROF. DDR. HANNES LEITGEB  
Chair of Logic and Philosophy of Language

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PROF. DR. STEPHAN HARTMANN  
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PROF. DR. OLIVIER ROY  
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*Department Chair of Philosophy*  
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PROF. DR. DR. HC. JULIAN NIDA-RÜMELIN, FORMER  
MINISTER OF STATE  
Chair of Philosophy and Political Theory  
*Department Chair of Philosophy*  
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## EARLY LIFE

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- 2008 University Entrance Diploma (“Abitur”)
- 1988 Born in Laupheim, Baden-Württemberg