

Curriculum Vitae Miklós Rédei

Education/degrees

2001	D.Sc.	(Doctor of the Hungarian Academy of Sciences)
1997	Habilitation	(Eötvös University)
1989	C.Sc.	(Candidate of Science)
1982	Ph.D. in Philosophy	(Eötvös University)
1980	M.A. in Philosophy	(Eötvös University)
1977	M.A. in Physics	(Eötvös University)

Current Affiliation

Department of Philosophy, Logic and Scientific Method
London School of Economics and Political Science (LSE)
London, United Kingdom

Work address: Lakatos Building, LSE, London

Mailing address: Houghton Street, London WC2A 2AE, United Kingdom

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Titles/employment history

2015-2018	Head of Department	LSE, London
2013	Professor	LSE, London
2010	Reader	LSE, London
2007	Lecturer	LSE, London
1991–2007	Associate Professor (tenured)	ELTE, Budapest
1982–1991	Assistant Professor	ELTE, Budapest
1979–1982	Teaching Associate	ELTE, Budapest
1977–1979	Teaching Assistant	ELTE, Budapest

Languages

Hungarian	native
English	advanced
German	intermediate

Research interests

Philosophy of science, philosophy and history of modern physics, especially of quantum physics and of quantum field theory; quantum logic; interpretation of probability; probabilistic causality; John von Neumann's life and work

Teaching

- Courses taught at LSE
 - Philosophy of Science PH201
 - Set theory and further logic PH217
 - Set theory and further logic PH419
 - Philosophy of Science Seminar PH400
 - Philosophical Foundations of Physics PH409
 - MSc Thesis Writing Seminar PH445
 - PhD seminar (variable topic, taught jointly) PH551

LSE Student Union Teaching Excellence Star (awarded in 2008)

- Courses taught at Eötvös University
Lecturing on the following subjects:
 - Philosophy of Science

- Philosophy of Physics
- Quantum Logic
- Interpretation of probability
- John von Neumann’s life and work
- Mathematical concepts and philosophy of mathematics for non-science majors
- Special teaching assignments:
 - “Teaching assignment” (*Lehrauftrag*) in the academic year 1992-1993 in Institute of Philosophy, University of Stuttgart, Stuttgart, Germany
 - “Topics in the Foundations of Algebraic Quantum Mechanics and Quantum Field Theory” PhD Seminar (taught with D. Malament) in the Spring Quarter, 2003, Department of Logic and Philosophy of Science, University of California, Irvine, U.S.A.
 - Invited lecturer to the International Summer School “Philosophy, probability and the special sciences”, July 27-August 2, 2003, Konstanz, Germany “Three lectures on probability in physics”
 - “Probabilistic Causality” Central European University Summer University , July 23, August 1, 2008, Budapest, Hungary (director of school, lecturer)
 - Graduate Course on “Foundations of Algebraic Quantum Mechanics and Algebraic Quantum Field Theory”, Graduate School of Information Science, Nagoya University, Nagoya, Japan; (series of 5 lectures) August 22-24, 2012

Scholarships/professional travel

- Hungarian State Scholarship, Sektion Philosophie, Humboldt Universität Berlin, Berlin, German Democratic Republic, October 1-31, 1986
- Adjunct Assistant Professor in Department of Physics, University of Florida, Gainesville, Florida, U.S.A., September 1987 – June 1989
- European Community TEMPUS Individual Mobility Grant, Faculty of Philosophy, University of Groningen, The Netherlands, March – June 1992
- European Community Mobility Research Grant, spent in Foundations of Science Group of the Department of History and Foundations of Mathematics and Science, Utrecht University, The Netherlands, September 1993 – February 1994
- Fulbright Scholar and Visiting Fellow during the full 1994-1995 academic year at the Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, U.S.A.; supported also by the István Szechenyi Scholarship Foundation
- Soros Foundation Mobility Grant, in the Department of Philosophy University of Florida, Gainesville, Florida, U.S.A., July – August 1996
- Senior Resident Fellow in the Dibner Institute for the History of Science and Technology, Massachusetts Institute of Technology (MIT), Cambridge, U.S.A., full 1997-1998 academic year
- Széchenyi Professorial Scholarship (1999–2002)
- Visiting Associate Professor, Department of Logic and Philosophy of Science, University of California at Irvine, Irvine, U.S.A., January – June 2003
- Visiting Fellow, Philosophy, Probability and Modeling Group, Center for Junior Research Fellows, University of Konstanz, Konstanz, Germany, June – August, 2004
- István Szechenyi Professorial Scholarship (September 2003 – September 2006)
- Donders Professor, Department of History and Foundations of Mathematics and Science, Utrecht University, The Netherlands, April – June, 2006

- Lakatos Research Fellow, Centre for Philosophy of Natural and Social Science, London School of Economics, London, England, July 15 – August 15, 2006
- Honorary Research Fellow, Institute of Philosophy, Hungarian Academy of Sciences, Budapest, Hungary, October 1, 2014 –April 30, 2015
- Visiting Fellow, Munich Center for Mathematical Philosophy, Ludwig-Maximilians University, Munich, Germany, May 1, 2015 – June 30, 2015

Grants

- Research grant from the Hungarian National Science Foundation, (OTKA): “Quantum logic” (1994–1996, philosophy of science, principal investigator)
- Research grant from the Hungarian Academy of Sciences: “Probabilistic causality and quantum mechanics” (1996–1997, philosophy of science, principal investigator)
- Research grant from the Hungarian National Science Foundation, (OTKA): “John von Neumann – mathematical physicist” (1998–2000, history of science, principal investigator)
- Research grant from the Hungarian National Science Foundation, (OTKA): “Probabilistic causality” (2000–2002, philosophy of science, principal investigator)
- Research grant from the Hungarian National Science Foundation, (OTKA): “John von Neumann’s selected letters” (2001–2002, history of science, principal investigator)
- Research grant from the Hungarian National Science Foundation, (OTKA): “Correlations and their explanation” (2003–2005, philosophy of science, principal investigator)
- ESF Scientific Network Grant (2003–2005) from the European Science Foundation (Network title: Philosophical and Foundational Problems of Modern Physics) (<http://www.philphys.nl/>); Convenor of the Network and Chair of the 8 member International Coordinating Committee)
- The Philosophy of Science in a European Perspective – European Science Foundation Networking Programme 2008–20013 (Co-chair) <http://www.pse-esf.org/index.htm>

Service to the profession

- Have reviewed papers for the following journals:
Foundations of Physics, Studies in the History and Philosophy of Modern Physics, The British Journal for the Philosophy of Science, Philosophy of Science, Synthese, International Journal for the Philosophy of Science, Historia Mathematica, Isis, History and Philosophy of Logic, European Journal for Philosophy of Science, Erkenntnis, Reviews of Symbolic Logic
- Have reviewed grant applications and project proposals for:
National Science Foundation (U.S.A.), Hungarian National Science Foundation (OTKA), Hungarian Fulbright Commission, International Institute of Education European Head Office, European Science Foundation, Central European University, Templeton Foundation
- Member of the Philosophy Selection Committee of Hungarian National Science Foundation (OTKA) (2003–2005)
- Founding co-editor (with D. Dieks) of the Elsevier book series (2004–2008) “Philosophy and Foundations of Physics”
- Member of the 9 member International Coordinating Committee of the 3 year (2001–2003) European Science Foundation sponsored Network Project entitled “Historical and Contemporary Perspectives of Philosophy of Science in Europe”
- Founding member of the European Philosophy of Science Association (EPSA), elected member of the Steering Committee of EPSA (2007–2009, re-elected for 2010–2011)

- Member of the Advisory Editorial Board of the Institute Vienna Circle Yearbooks
- Member of the Vienna Summer University in Philosophy of Science (VISU) Programme Committee (from 2011)
- Member of the Editorial Board of the *European Journal for Philosophy of Science*
- Member of Editorial Advisory Board of the *European Studies in Philosophy of Science* book series (from 2013)
- Assessor of the International Union of History and Philosophy of Science, Division of Logic, Methodology and Philosophy of Science (2008–2011)
- (Co)organizer/member of organizing committee of the following international workshops and conferences:
 - Quantum Mechanics and Relativity Theory: Interpretational Problems and Solutions May 1, 1995, Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, U.S.A.
 - Science and the Institution Central European University Summer School July 1998, Budapest, Hungary
 - John von Neumann and the Foundations of Quantum Mechanics February 25–26, 1999 Loránd Eötvös University, Budapest, Hungary
 - Workshop on the Problem of Quantum Measurement December 6–7, 1999, Loránd Eötvös University, Budapest, Hungary
 - John von Neumann the mathematical physicist June 11, 2001, University of Florida, Gainesville, Florida, U.S.A.
 - Modality, Probability and Bell’s Theorems – NATO Advanced Research Workshop August 19–23, 2001, Cracow, Poland
 - Observation and Experiment in the Natural and Social Sciences September 30–October 2, 2001, Bertinoro, Italy
 - Induction and Deduction in the Sciences July 7–9, 2002, Vienna, Austria
 - Challenges and Responses (Conference Celebrating the 10th Anniversary of the Hungarian- American Fulbright Commission and the Hungarian Fulbright Association) April 24–25, 2002, Budapest, Hungary
 - Von Neumann Centennial Conference: Linear Operators and Foundations of Quantum Mechanics October 15–20, 2003, Budapest, Hungary
 - Fifth International Pittsburgh Center Fellows Conference May 26–30, 2004, Rytro, Poland
 - Logic in Hungary, 2005 August 5–11, 2005, Budapest, Hungary
 - Philosophical and Foundational Issues in Quantum Theory ESF Scientific Network Conference September 1–5, 2005, Budapest, Hungary
 - Founding Conference of the European Philosophy of Science Association, Madrid, November 14–17, 2007, (programme co-chair)
 - Points of Contact between the Philosophy of Physics and the Philosophy of Biology European Science Foundation Research Networking Program “The Philosophy of Science in a European Perspective” Workshop, LSE, London, 13–15 December 2010
 - 8th UK-European Foundations of Physics Conference July 16-18, 2016, London, UK (Chair of Local Organizing Committee)

Talks at international conferences/workshops:

- Philosophische Probleme der Einheit der Naturwissenschaftlichen Erkenntnisse (April 5–6, 1984, Jena, German Democratic Republic)
- Symposium on the Foundations of Modern Physics. 50 Years of the Einstein-Podolsky- Rosen Gedankenexperiment. (June 16–20, 1985, Joensuu, Finland)
- Microphysical Reality and Quantum Formalism (September 28 – October 3, 1985, Urbino, Italy)
- The Concept of Probability (October 19–24, 1987, Delphi, Greece) (with P.Szegedi)
- Workshop on Bell’s Theorem, Quantum Theory and Conceptions of the Universe (October 1988, Fairfax, Washington, U.S.A.) (poster presentation)
- Problems in Quantum Physics. Gdansk ’89 (September 18–23, 1989, Gdansk, Poland)
- 9th International Congress of Logic, Methodology and Philosophy of Science (August 7–14, 1991, Uppsala, Sweden)
- Albert Einstein – Life and Work (March 14–16, 1992, Ulm, Germany)
- XIXth International Congress of History of Science (August 22–29, 1993, Zaragoza, Spain)
- International Conference of the Quantum Structures Association (IQSA94) (August 15–19, Prague, Czech Republic)
- Third In-House Conference of the Center for Philosophy of Science University of Pittsburgh (September 30 – October 2, 1994, Pittsburgh, U.S.A.)
- Pittsburgh Center Fellows International Conference (May 19–24, Castiglioncello, 1996, Italy)

- Philosophy of Quantum Mechanics (November 5–7, Center for Logic and Philosophy of Science, Brussels, Belgium)
- Contemporary Issues in the Philosophy of Physics (April 3–4, 1997, The University of Western Ontario, London, Ontario, Canada)
- International Conference of the Quantum Structures Association (IQSA98) (August 30 – September 5, 1998, Liptovsky Jan, Slovakia)
- 11th Congress of the International Congress of Logic, Methodology and Philosophy of Science (August 1999, Cracow, Poland)
- Ontological Aspects of Quantum Field Theory (October 11–13, 1999, ZIF, Bielefeld, Germany)
- Workshop on the History of 20th Century Mathematics (January 30 – February 5, 2000, Oberwolfach, Germany)
- Intuition 2000: Limits of the Axiomatic Method (April 27–29, 2000 Dortmund, Germany)
- Third Congress of HOPOS, the International Society for the History of Philosophy of Science, HOPOS2000 (July 6–9, 2000, Vienna, Austria)
- Modality, Probability and Bell’s Theorems, NATO Advanced Research Workshop (August 19–23, 2001, Cracow, Poland)
- Foundations of Quantum Mechanics before 1935 (December 14–17, 2000, Berlin, Germany)
- Workshop on Relevance, Consequence, and Content: Theory and Applications (March 29–30, 2002, Salzburg, Austria)
- Quantum Structures 2002 (July 1–7, 2002, Vienna, Austria)
- III International Conference on Science, Art and Culture. The Role of Mathematics in Physical Sciences. Interdisciplinary and Philosophical Aspects (August 25–29, 2003, Losinj, Croatia)
- 5th International Conference of Analytic Philosophy (GAP5) Workshop “Philosophy and Probability” (September 20–22, 2003, Bielefeld, Germany)
- Von Neumann Centennial Conference. Linear Operators and Foundations of Quantum Mechanics (October 15–20, 2003, Budapest, Hungary)
- Fifth International Pittsburgh Center Fellows Conference (May 26–30, 2004, Rytro, Poland)
- 51st Conference on History of Logic (October 26–27, 2005, Cracow, Poland)
- One-day European Conference on Philosophy and Foundations of Physics (May 24, 2006, Utrecht, The Netherlands)
- Sixth Congress of HOPOS, the International Society for the History of Philosophy of Science, HOPOS2006 (June 14–18, 2006, Paris, France)
- ESF Exploratory Workshop “Applied Logic in the Methodology of Science” (September 8–10, 2006, Bristol, UK)
- Causality and the Laws of Nature (April 18, 2007, Rome, Italy)
- Deep Beauty: Mathematical Innovation and a Search for an Underlying Intelligibility of the Quantum World (October 4–7, 2007, Princeton, U.S.A.)
- Causality and Locality in Physics (June 13, 2008, Tilburg Center for Philosophy of Science, Tilburg, The Netherlands)
- International Conference of the International Quantum Structures Association (IQSA2008) (July 6–12, 2008, Sopot, Poland)
- Causality and Probability in the Special Sciences (CAPITS2008) (September 10–12, 2008, Canterbury, UK)
- Biennial Conference of the Philosophy of Science Association (PSA 2008) (November 6–8, Pittsburgh, U.S.A.)
- New Directions in the Foundations of Physics (May 1–3, 2009, Washington, D.C., U.S.A.)
- Unconceived Alternatives. Underdetermination of Scientific Theories between Philosophy and Physics (December 18–19, 2009, Erwin Schrödinger International Institute of Mathematical Physics, Vienna, Austria)
- Eight International Congress of the History of Philosophy of Science Society (HOPOS) (June 24–27, 2010, Budapest, Hungary)
- Historical Debates about Logic, Probability and Statistics (July 9–10, 2010, Paderborn, Germany)
- Workshop on “Causes and Tenses: Formal perspectives” (September 10–11, 2010, Cracow, Poland)
- Philosophy of Physics Workshop (April 9, 2011, University of California at Irvine, Irvine, U.S.A.)
- Hilbert’s Axiomatics: Geometry, Physics, Logic (10–11 June 2011, Bologna, Italy)
- 14th International Congress of Logic, Methodology and Philosophy of Science (19–26 July, 2011, Nancy, France)
- Philosophy of Science in Europe – European Philosophy of Science (5–7 December, 2011, Vienna, Austria)
- Philosophical Foundations of Quantum Field Theory (10 February, 2012, Cambridge, UK)
- Third Nagoya Winter Workshop on Quantum Information, Measurement, and Foundations (14–18 February 2012, Nagoya, Japan)
- 7th Quadrennial International Fellows Conference (12–14 June, 2012, Mugla, Turkey)

- New Directions in the Philosophy of Science (October 17-20, 2012, Bertinoro, Italy)
- Causation, Dispositions and Probabilities in Physics and Biology (ESF Workshop, November 22–24, 2012, Lausanne Switzerland)
- Relativistic Causality Workshop (April 5–6, 2013, Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, U.S.A.)
- London Foundations Connection (May 7, 2013, Imperial College, London, UK)
- New Directions in the Philosophy of Physics (May 24–26, 2013 University of Bucharest, Bucharest, Romania)
- Between Rationalism and Empiricism. The Legacy of Erhard Scheibe. (June 14–15, 2013, Technische Universität Dortmund, Dortmund, Germany)
- UK-European Foundations of Physics Conference (July 29–31, 2013, Munich, Germany)
- Fourth Conference of the European Philosophy of Science Association (EPSA2013) (August 28–31, 2013, Helsinki, Finland)
- Relativity Meets Quantum Theory (November 28–29, 2013, London School of Economics, London, UK)
- 10th International Congress of the International Society for the History of Philosophy of Science (HOPOS2014) (July 3-5, Ghent, Belgium)
- 8th European Congress of Analytic Philosophy (August 28-September 2, 2014; Bucharest, Romania)
- Budapest-Cracow Workshop on Probability, Causality and Determinism (September 8-9, 2014; Budapest, Hungary)
- Biennial Conference of the Philosophy of Science Association (PSA 2014) (November 6-9, Chicago, U.S.A.)
- Metaphysics and Fundamental Physics (June 27-28, 2016, University of Bristol, Bristol, UK)
- British Society for Philosophy of Science Annual Conference (plenary speaker, July 7-8, 2016, Cardiff University, UK)
- 8th Quadrennial International Fellows Conference (July 11-14, 2016, Lund, Sweden)
- Local Quantum Physics and beyond - in memoriam Rudolf Haag (September 26-27, 2016, DESY, Hamburg, Germany)

Invited seminar talks

- Arbeitsgruppe Grundlagen der Physik, Philipps Universität, Marburg, Germany; June, 1986
- Physikalisches Institut der Universität Würzburg, Universität Würzburg, Würzburg, Germany; June, 1986
- Sektion Physik, Friedrich-Schiller Universität, Jena, Germany; September 1986
- Sektion Philosophie, Humboldt Universität, Berlin, Germany; October 1986
- Department of Philosophy, University of Florida, Gainesville, U.S.A.; October 1988
- Philosophisches Seminar der Universität Heidelberg, Universität Heidelberg, Heidelberg, Germany; June 1990
- Faculty of Philosophy, University of Groningen, Groningen, The Netherlands; November 1990
- Department of History and Philosophy of Science, Cambridge University, Cambridge, UK; November 1991
- Institute for Theoretical Physics, University of Groningen, Groningen, The Netherlands; April 1992
- Faculty of Philosophy, University of Groningen, Groningen, The Netherlands; May 1992
- Philosophisches Seminar der Universität Heidelberg, Universität Heidelberg, Heidelberg, Germany; May 1992
- Department of History and Foundations of Mathematics and Sciences, University of Utrecht, Utrecht, The Netherlands; June 1992
- Sektion Physik, Friedrich-Schiller Universität, Jena, Germany; November 1992
- Department of Mathematics, National Technical University of Athens, Athens, Greece; April 1993
- Department of History and Philosophy of Science, Cambridge University, Cambridge, UK; May 1993
- Max Planck Institut für Festkörperforschung, Stuttgart, Germany; May 1993
- Department of Physics, Free University of Brussels, Brussels, Belgium; May 1993
- Department of History and Foundations of Mathematics and Sciences, University of Utrecht, Utrecht, The Netherlands; October 1993
- Institute for Theoretical Physics, University of Groningen, Groningen, The Netherlands; November 1993
- Centre for the Philosophy of the Natural and Social Sciences, London School of Economics and Political Science, London, UK; May 1994
- Department of History and Philosophy of Science, Cambridge University, Cambridge, UK; June 1994

- Department of History and Foundations of Mathematics and Sciences, University of Utrecht, Utrecht, The Netherlands; February 1994
- Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, U.S.A.; October 1994
- Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, U.S.A.; February 1995
- Department of Physics, Carnegie Mellon University, Pittsburgh, U.S.A.; March 1995
- Department of Philosophy and Center for History and Philosophy of Science, Johns Hopkins University, Baltimore, U.S.A.; May 1995
- Department of Philosophy, University of Florida, Gainesville, U.S.A.; January 1995
- Institute Vienna Circle, Vienna, Austria; December 1996, April 4, 2014
- Philosophisches Seminar der Universität Heidelberg, Universität Heidelberg, Heidelberg, Germany; November 1996
- Dibner Institute for the History of Science and Technology, MIT, Cambridge, U.S.A.; November 1997
- Department of History and Philosophy of Science, Indiana University, Bloomington, Indiana, U.S.A.; April 1998
- Committee on the History and Philosophy of Science, University of Maryland, College Park, Maryland; April 1998
- Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, U.S.A.; October 1998
- Department of Philosophy, University of Florence, Florence, Italy; July 1999
- Department of Philosophy, University of Salzburg, Salzburg, Austria; July 1999
- Department of Philosophy, University of Dortmund, Dortmund, Germany; October, 1999
- All Souls College, Oxford, UK; October, 1999
- Department of Philosophy, University of Konstanz, Konstanz, Germany; January 2000
- Department of Philosophy, Ludwig Maximilian University, Munich, Germany; May 2000
- Department of Logic and Philosophy of Science, University of California at Irvine, Irvine, U.S.A.; May 2003
- Department of Philosophy, University of Ghent, April 2004
- Belgian Logic and Philosophy of Science Society, Brussels, Belgium; April 2004
- Philosophy, Probability and Modeling Group, Center for Junior Research Fellows, University of Konstanz, Konstanz, Germany; July, 2004
- Centre for the Philosophy of the Natural and Social Sciences, London School of Economics and Political Science, London, UK; October 2004
- Center Leo Apostel, Free University, Brussels, Belgium; June, 2006
- Department of Philosophy, University of Leeds, Leeds, UK; October 29, 2008
- Centre for Reasoning, University of Kent, Canterbury, UK; March 14, 2009
- Material Science Research Laboratory (LARSIM), Research Laboratory of Condensed Matter Physics (SPEC) CEA, Saclay, France; March 17, 2009
- École Normale Supérieure Paris, France; March 17, 2009
- Department of Philosophy, Oxford University, UK; February 11, 2010
- Department of Mathematics, University of York, York, UK; March 4, 2010
- Department of Philosophy, University of Bristol, Bristol, UK; March 17, 2010
- Material Science Research Laboratory (LARSIM), Research Laboratory of Condensed Matter Physics (SPEC) CEA, Saclay, France; December 10, 2010
- Department of Theoretical Philosophy University of Bucharest, Romania; March 30, 2011
- Institute for Philosophy, Eötvös University, Budapest, Hungary; April 27, 2011; December 18, 2012; March 26, 2014; March 25, 2015; April 20, 2016; March 29, 2017
- British Society for Philosophy of Science Colloquium Speaker, March 12, 2012
- Department of Physics of Complex Systems, Eötvös University, Budapest, Hungary; April 17, 2012
- Department of Philosophy, University of Belgrade, Belgrade, Serbia, October 25, 2013
- University of Vienna, Vienna, Austria, April 4, 2014
- Centre for Logic and Philosophy of Science, University of Bucharest, Bucharest, Romania; October 1, 2014
- Institute of Philosophy, Hungarian Academy of Sciences, April 21, 2015, January 12, 2016

- Munich Center for Mathematical Philosophy, Ludwig-Maximilians University, Munich, Germany, May 18, 2015
- Department of Philosophy, University of Salzburg, Salzburg, Austria, June 2, 2015
- Dusseldorf Center for Philosophy of Science, Heinrich Heine University, Dusseldorf, Germany, June 16, 2015
- Research Institute of Humanities, University of Bucharest, Bucharest, Romania, December 17, 2015
- Cohn Institute Colloquium, Tel Aviv University, Israel, April 4, 2016
- Bar Hillel Colloquium, The Hebrew University of Jerusalem, Jerusalem, Israel, April 6, 2016

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