

Thomas A.C. Reydon

Professor of Philosophy of Biology
Institute of Philosophy & Centre for Ethics and Law in the Life Sciences (CELLS)
Leibniz Universität Hannover, Germany
thomas@reydon.info | <http://www.reydon.info>

Curriculum Vitae (November 2018)

Personal Information

Full name: Thomas Anthonius Christian REYDON
Citizenship: The Netherlands; USA Permanent Resident
Work address: Institute of Philosophy, Leibniz Universität Hannover
Im Moore 21, 30167 Hannover, Germany &
Centre for Ethics and Law in the Life Sciences, Leibniz Universität Hannover
Otto-Brenner-Str. 1, 30159 Hannover, Germany
Office phone: +49 (0)511 762 19391
E-mail: reydon@ww.uni-hannover.de (work) | thomas@reydon.info (private)
Web: www.reydon.info

Education

ACADEMIC DEGREES & DIPLOMAS:

- 2005: **Ph.D. (Philosophy of Biology)**, Faculty of Mathematics and Natural Sciences (Chair of Philosophy of Biology, Dept. of Theoretical Biology), Leiden University, The Netherlands.
Dissertation: *Species as Units of Generalization in Biological Science: A Philosophical Analysis*; online available at the Leiden University Repository (<https://openaccess.leidenuniv.nl/handle/1887/2700>).
Chair: D.J. Kornet; External Examiner: John Dupré; 6 further committee members.
- 1997: **M.A. (Philosophy of Science)**, Faculty of Philosophy, Leiden University, The Netherlands.
- 1993: **M.Sc. (Physics)**, Faculty of Mathematics and Natural Sciences, Leiden University, The Netherlands.
- 1989: **Propaedeutic Diploma (Physics)**, Faculty of Mathematics and Natural Sciences, Leiden University, The Netherlands.

Employment

ACADEMIC APPOINTMENTS:

- June 2015 – present: Professor of Philosophy of Biology (rank of *Universitätsprofessor* with tenure, pay grade W2), Institute of Philosophy, Faculty of Humanities, Leibniz University Hannover, Germany. Cross appointment in the Centre for Ethics and Law in the Life Sciences (CELLS), Leibniz University Hannover.
- June 2015 – June 2019: Chair (1 term, 2015–2017) & Vice Chair (1 term, 2017–2019), Institute of Philosophy, Faculty of Humanities, Leibniz University Hannover, Germany.
- Dec. 2009 – May 2015: Junior Professor of Philosophy of Biology (rank of *Juniorprofessor*, [3+3]-year non-tenure track position, pay grade W1), Institute of Philosophy, Faculty of Humanities, Leibniz University Hannover, Germany. Appointment renew-

ed Dec. 2012 after mid-term evaluation of teaching and research performance.

- Jan. 2009 – Nov. 2009: Lecturer (*wissenschaftlicher Mitarbeiter*), Center for Philosophy and Ethics of Science, Leibniz University Hannover, Germany.
- Jan. 2006 – Dec. 2008: DFG Research Fellow (*wissenschaftlicher Mitarbeiter* with a personal 3-year research grant from the German Research Foundation), Center for Philosophy and Ethics of Science, Leibniz University Hannover, Germany.
- Sep. 2004 – Dec. 2005: Postdoctoral Researcher (*wissenschaftlicher Mitarbeiter*), Center for Philosophy and Ethics of Science, Leibniz University Hannover, Germany.
- Dec. 1999 – Jun. 2004: Research Assistant (*assistent in opleiding*) at the Chair of Philosophy of Biology, Institute of Biology (Dept. of Theoretical Biology), Faculty of Mathematics and Natural Sciences, Leiden University, The Netherlands.

FELLOWSHIPS, VISITING & ASSOCIATE POSITIONS:

- Fall Sem. 2018 & Spring Sem. 2019: C4I Visiting Fellow, MSU Center for Interdisciplinarity, College of Arts and Letters, Michigan State University, East Lansing, MI, USA.
- July 2016 – present: Member, Leibniz School of Education, Leibniz Universität Hannover, Germany.
- Apr. 2016 – present: Fellow, Leibniz Center for Science and Society (LCSS), Leibniz Universität Hannover, Germany.
- Fall Semester 2013: Visiting Fellow, Minnesota Center for Philosophy of Science, College of Liberal Arts, University of Minnesota – Twin Cities, Minneapolis, MN, USA. Declined an offer of a simultaneous position as Visiting Assistant Professor in the Department of Philosophy for the Fall Semester of 2013.
- Oct. 2010 – Jun. 2015: Member, Centre for Ethics and Law in the Life Sciences (CELLS), Leibniz Universität Hannover, Germany.
- Fall Semester 2008: Visiting Fellow, Minnesota Center for Philosophy of Science, College of Liberal Arts, University of Minnesota – Twin Cities, Minneapolis, MN, USA.
- Jul. 2004 – Jun. 2006: Visiting Researcher, Dept. of Theoretical Biology, Institute of Biology, Faculty of Mathematics and Natural Sciences, Leiden University, The Netherlands.

NON-ACADEMIC EMPLOYMENT:

- Oct. 1998 – Nov. 1999: Trainee Policy Officer, Dutch Ministry of Health, Welfare, and Sport (VWS), Department of Food & Veterinary Policy (subject area: GMOs and food) and Department of Medical Ethics (subject area: public debates on novel medical technologies).

Areas of Work

- AOS: Philosophy of Biology; General Philosophy of Science; Philosophy of Nature (esp. Metaphysics of Science); Research Ethics and Good Academic Practice
- AOC: Bioethics (esp. Environmental Ethics, Conservation); Philosophy of Technology; Philosophy of Social Science; Using Philosophy of Science in Science Education

Grants & Awards

EXTRAMURAL GRANTS & AWARDS (AS SOLE APPLICANT):

- 2017: German Research Foundation (DFG): Making Sense of Data in the Sciences: Philosophical Perspectives on the Methodology, Epistemology and Practices of Data-Intensive Science (workshop), grant no. RE 2613/4-1 (€ 9.200).
- 2015: German Research Foundation (DFG): Philosophy of Science Between the Natural Sciences, the Social Sciences, and the Humanities (conference), grant no. RE 2613/3-1 (€ 5.800).
- 2015: Volkswagen Foundation: Individuality in the Life Sciences (two summer schools), grant no. A11324 (€ 85.600).
- 2013: German Research Foundation (DFG): Biological Kinds as “Moving Targets”: Interactivity and Instability as a Distinctive Characteristic of Biological Kinds (international research cooperation), grant no. RE 2613/2-1 (€ 13.000, rounded).
- 2007: German Research Foundation (DFG): How Do Life Scientists Generalize? Natural Kinds as the Grounds for Explanatory Generalizations in the Life Sciences (personal research grant, one-year extension of grant no. RE 2613/1-1), grant no. RE 2613/1-2 (€ 61.000, rounded).
- 2007: Jan van der Hoeven Foundation for Theoretical Biology: Jan van der Hoeven Award for service to the profession (€ 2.000).
- 2005: German Research Foundation (DFG): How Do Life Scientists Generalize? Natural Kinds as the Grounds for Explanatory Generalizations in the Life Sciences (personal research grant), grant no. RE 2613/1-1 (€ 121.000, rounded).

EXTRAMURAL GRANTS & AWARDS (AS CO-APPLICANT):

- 2016: German Federal Ministry of Education and Research (BMBF): Legal Issues of Genome Editing in Plants and Animals (Co-PI with Nils Hoppe), subproject 4 in the consortium *Ethical, Legal and Socio-Economic Aspects of Genome Editing in Agriculture (ELSA-GEA)*, grant no. 01GP1613D, volume for this subproject € 248.200 (rounded).
- 2015: German Research Foundation (DFG): Integrating Ethics and Epistemology of Scientific Research (graduate school, Co-PI in a team of 9, see <http://grk2073.org>), grant no. GRK 2073/0 (€ 3.170.000, rounded).
- 2013: German Research Foundation (DFG): How Much Philosophy in the Philosophy of Science? (conference, member of application team), grant no. HE 3555/4-1 (€ 7.600).
- 2014: Lower Saxony Ministry of Science and Culture (MWK): Hannover School for Biomolecular Drug Research (graduate school, member of a team of 27 applicants, see www.hsbd.uni-hannover.de); total grant volume € 1.000.000 (rounded).
- 2010: Lower Saxony Ministry of Science and Culture (MWK): Biological Explanations of Behavior: Philosophical Perspectives (conference, Co-PI with Kathryn S. Plaisance, € 3.100, rounded).
- 2010: German Research Foundation (DFG): Biological Explanations of Behavior: Philosophical Perspectives (conference, Co-PI with Kathryn S. Plaisance), grant no. 4851/260/08 (€ 5.900, rounded).

INTRAMURAL GRANTS & AWARDS:

- 2010: Visiting Scholars Program, Faculty of Humanities, Leibniz University Hannover: incoming visitors grant (sole applicant) for a teaching & research cooperation visit to Hannover by external faculty (Prof. M. Elgin, Muğla University, Turkey); volume (rounded): € 3.550.
- 2009: Freundeskreis der Leibniz Universität Hannover e.V.: Über die Entstehung der Arten – 150 Jahre danach (public lecture event, co-applicant with Markus Scholz), € 300 (rounded).
- 2009: Research Fund, Leibniz University Hannover: Über die Entstehung der Arten – 150 Jahre danach (public lecture event, co-applicant with Markus Scholz), € 1.000 (rounded).
- 2010: Fund for Internationalization, Leibniz University Hannover: Biological Explanations of Behavior: Philosophical Perspectives (conference, co-PI with Kathryn S. Plaisance), € 900 (rounded).

TRAVEL GRANTS:

- German Academic Exchange Service (DAAD): travel grant (€ 2.400), ISHPSSB 2017: 2017 Meeting of the International Society for the History, Philosophy, and Social Studies of Biology (São Paulo, 2017).
- Fund for Internationalization, Leibniz Universität Hannover: travel grant (€ 2.000) in support of a Visiting Fellowship at the Minnesota Center for Philosophy of Science, University of Minnesota, Twin Cities, Minneapolis (MN, U.S.A.), Sept.–Dec. 2013.
- German Academic Exchange Service (DAAD): travel grant (€ 520), EPSA13: Fourth conference of the European Philosophy of Science Association (Helsinki, 2013).
- German Academic Exchange Service (DAAD): travel grant (€ 860), 14th Congress of Logic, Methodology and Philosophy of Science (Nancy, 2011).
- German Academic Exchange Service (DAAD): travel grant (€ 1.400), Biennial Meeting of the Philosophy of Science Association (Montreal, 2010).
- International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB): graduate student travel grant, ISHPSSB 2003 (Vienna, Austria).
- International Society for the History, Philosophy and Social Studies of Biology (ISHPSSB): graduate student travel grant, ISHPSSB 2001 (Hamden, CT, U.S.A.).
- European Union Erasmus Program: full coverage of travel, accommodation and fees for participation in the 6th Erasmus Course in Systematic Biology (Florence, Summer 2001).

Editorial Positions

JOURNALS:

- Editor in Chief (jointly with Claus Beisbart & Helmut Pulte, 2017–present), *Journal for General Philosophy of Science* (Springer, Dordrecht, ISSN 0925-4560).
- Associate Editor (area editor for philosophy of biology & book reviews, 2007–2017) & Managing Editor (2002–2006), *Acta Biotheoretica: Mathematical and philosophical foundations of biological and biomedical science* (Springer, Dordrecht, ISSN 0001-5342).
- Review Editor (Section: ELSI in Science and Genetics, 2013–present), *Frontiers in Genetics* (Frontiers Media, Lausanne, ISSN 1664-8021).
- Editorial Board Member (2011–present), *Science & Education: Contributions from history, philosophy and sociology of science and mathematics* (Springer, Dordrecht, ISSN 0926-7720).

BOOK SERIES:

- Editor in Chief (jointly with Charles T. Wolfe & Philippe Huneman, 2010–present), *History, Philosophy & Theory of the Life Sciences* (Springer, Dordrecht, ISSN 2211-1948).
- Editorial Board Member (2014–present), *Science: Philosophy, History and Education* (Springer, Dordrecht).

Service to the Profession

PEER REVIEWING:

- For academic journals: *Acta Biotheoretica* | *Angewandte Chemie* | *Australasian Journal of Philosophy* | *Biological Journal of the Linnean Society* | *Biological Theory* | *Biology and Philosophy* | *BioScience* | *British Journal for the Philosophy of Science* | *Cognitive Processing* | *Dialectica* | *Erkenntnis* | *European Journal for Philosophy of Science* | *Evolutionary Ecology* | *Foundations of Science* | *Frontiers in Genetics* | *Graduate Journal of Social Science* | *Grazer Philosophische Studien* | *History and Philosophy of the Life Sciences* | *International Studies in the Philosophy of Science* |

Journal for General Philosophy of Science | *Journal of Bioeconomics* | *Journal of Social Ontology* | *Kairos* | *Lato Sensu, Revue de la Société de Philosophie des Sciences* | *Naturwissenschaften* | *Philosophia Naturalis* | *Philosophical Explorations* | *Philosophical Psychology* | *Philosophy & Technology* | *Philosophy, Theory, and Practice in Biology* | *Philosophy and Phenomenological Research* | *Philosophy of Science* | *Philosophy of the Social Sciences* | *Review of Philosophy and Psychology* | *Science & Education* | *Science and Engineering Ethics* | *Studies in History and Philosophy of Science* | *Studies in History and Philosophy of Biological and Biomedical Sciences* | *Synthese* | *Theoria (Spain)* | *Theoria (Sweden)* | *Theory in Biosciences* | *Topoi*.

- For book publishers: *Cambridge University Press* | *Oxford University Press* | *Routledge* | *Springer* | *World Scientific*.
- For funding organizations and academic institutions: *Alexander von Humboldt Foundation* (Germany) | *British Academy* (UK) | *DAAD* (German Academic Exchange Service) | *DFG* (German Research Foundation) | *Fitzwilliam College, University of Cambridge* (Junior Research Fellowships; UK) | *FNRS* (Walloon Research Foundation, Belgium) | *FWO* (Flemish Research Foundation, Belgium) | *Graduate Academy, Leibniz Universität Hannover* (Germany) | *Katholieke Universiteit Leuven* (University Research Council Fellowships; Belgium) | *Konrad Lorenz Institute for Evolution and Cognition Research* (Fellowships; Austria) | *LCSS, Leibniz Center for Science and Society* (Germany) | *NWO* (Dutch National Science Foundation; The Netherlands) | *OeAD* (Austrian Agency for International Cooperation in Education and Research) | *SNF* (Swiss National Science Foundation, Switzerland) | *Studienstiftung des deutschen Volkes* (German Academic Scholarship Foundation).

ORGANIZATION OF ACADEMIC EVENTS, PROGRAM COMMITTEE MEMBERSHIPS, ETC.:

- 2019: Organizer (together with the other GWP Board Members and the Local Organizing Committee), GWP.2019: third international conference of the *Gesellschaft für Wissenschaftsphilosophie*, University of Cologne (25-27 February 2019).
- 2018: Director (with Sabina Leonelli), *5th European Advanced Seminar of the Philosophy of the Life Sciences (EASPLS)*, Konrad Lorenz Institute for Evolution and Cognition Research, Klosterneuburg (10-14 September 2018).
- 2017: Organizer (with Stefano Canali & Mathias Frisch), 2-day workshop *Making sense of data in the sciences: philosophical perspectives on the methodology, epistemology and practices of data-intensive science* (dataintensivescience.wordpress.com), Institute of Philosophy, Leibniz Universität Hannover (26-27 October 2017).
- 2017: Program Co-Chair (with David Teira) & co-editor of proceedings volume, EPSA17: 6th conference of the European Philosophy of Science Association (Exeter, 6-9 September 2017).
- 2017: Program Committee Member & Section Chair for the section on philosophy of the life sciences, *XXIV. Deutscher Kongress für Philosophie*, 24th triennial congress of the *Deutsche Gesellschaft für Philosophie (DGPhil)*, Humboldt-Universität zu Berlin (24-27 September 2017).
- 2017: Program Committee Member, 2017 Meeting of the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), University of São Paulo (16-21 July 2017).
- 2016: Steering Committee Member, *4th European Advanced Seminar of the Philosophy of the Life Sciences (EASPLS)*, Konrad Lorenz Institute for Evolution and Cognition Research, Klosterneuburg (5-9 September 2016).
- 2016: Organizer (with Marie Kaiser), joint GWP-SPS Symposium *Towards a Practice-Oriented Metaphysics of Science*, organized at the *6^e Congrès de la Société de Philosophie des Sciences (SPS)*, Université de Lausanne (29 June - 1 July 2016).
- 2016: Program and Local Organizing Committee Member, GWP.2016: second international conference of the *Gesellschaft für Wissenschaftsphilosophie*, “*Philosophy of science between natural science, social science, and the humanities*”, Heinrich Heine University Düsseldorf (8-11 March 2016).

- 2016: Organizer (with G. Jagers op Akkerhuis & H. Zwart), 1-day workshop *De rol van (niet) axiomatische benaderingen in evolutie en biologie*, Centre for Society and the Life Sciences, Radboud University Nijmegen (11 February 2016).
- 2015: Organizer (with H. Lyre, O. Scholz, M. Schrenk & J. Göhner), 1st Joint GAP-GWP Colloquium *Meta²physics: Analytic vs. Naturalized Meta-physics*, organized at GAP.9: 9th Congress of the German Society for Analytic Philosophy, Universität Osnabrück (14-18 September 2015).
- 2015: Director (with M. Kaiser, C. Sachse & M. Scharck), interdisciplinary summer school *Individuality in the Life Sciences: Superorganisms, Organisms and Suborganisms as Biological Individuals*, Gut Siggen (27-31 July 2015).
- 2015: Organizer (with Marc Ereshefsky), session on *Norms, Kinds, and Biological Practice*, 2015 Meeting of the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), Université du Québec à Montréal (5-10 July 2015).
- 2013: Program and Local Organizing Committee Member, GWP.2013: first international conference of the *Gesellschaft für Wissenschaftsphilosophie*, "How much philosophy in the philosophy of science?", Leibniz Universität Hannover (11-14 March 2013).
- 2011: Program Committee Member & reviewer for proceedings volume EPSA11: 3rd conference of the European Philosophy of Science Association (Athens, 5-8 October 2011).
- 2011: Organizer (with Miles MacLeod and Maria Frápolli), workshop *Natural Kinds in Philosophy and in the Life Sciences: Scholastic Twilight or New Dawn?*, University of Granada (7-9 September 2011).
- 2009: Organizer (with Markus Scholz), public lecture event *Über die Entstehung der Arten – 150 Jahre danach*, Historical Museum Hannover (31 October 2009).
- 2008: Organizer (with Kathryn S. Plaisance), international conference *Biological Explanations of Behavior: Philosophical Perspectives*, Leibniz Universität Hannover (12-15 June 2008).
- 2006: Organizer (with P. Schaber, T. Tarkian, H. Heit & M. Weber), symposium *Reconstructing Science and Ethics*, Leibniz Universität Hannover (13-15 July 2006).
- 2004: Organizer (with Sabina Leonelli), symposium *Philosophy of Biology in Flanders and the Netherlands*, Free University Amsterdam (13 February 2004).
- 2005-
2012: Lead Organizer (8x) of the annual Leibniz Lectures at the Leibniz Universität Hannover.

Administrative Experience

ADMINISTRATIVE DUTIES – MAJOR:

- Chair, Institute of Philosophy, Leibniz University Hannover (2015-2017); Vice Chair (2017 – 2018).
- Founding Member, *Gesellschaft für Wissenschaftsphilosophie e. V.* (GWP: German Society for Philosophy of Science, <http://www.wissphil.de>), Sept. 2011. Governing Board Member (Treasurer) for two terms (2011–2016), co-opted Governing Board Member (JGPS Liaison, 2016–present).
- Member, Investigative Committee for Good Scientific Practice, Leibniz University Hannover ("*Untersuchungskommission zur Sicherung guter wissenschaftlicher Praxis*", 2014–present).
- Member, Governing Board, *Centre for Ethics and Law in the Life Sciences* (CELLS), Leibniz University Hannover (2014–2017).
- Member, Governing Board ("*Institutsvorstand*"), Institute of Philosophy, Leibniz University Hannover (2011–present).
- Member, Education Committee ("*Studienkommission*"), Faculty of Humanities, Leibniz University Hannover (2011–2015). Head of a working group on teaching evaluation ("*Arbeitsgruppe Evaluation und Weiterbildung in der Lehre*") under the auspices of the Education Committee.

ADMINISTRATIVE DUTIES – MINOR:

- Member, Examination Committee ("*Prüfungsausschuss*") of the M.A. program Philosophy of Science, Faculty of Humanities, Leibniz University Hannover (2013–present).

- Substitute Member, Admission Committee (“Zulassungsausschuss”) for the M.A. program Philosophy of Science, Faculty of Humanities, Leibniz University Hannover (2013–present).
- Member, Examination Committee for the admission of prospective students lacking required formal qualifications for university admission (“Immaturenprüfung”), Leibniz University Hannover (2010–present).
- Responsible for curriculum planning and organization, Institute of Philosophy, Leibniz University Hannover (2010–2015) & coordination of the B.A. and M.Ed. program re-accreditation (2011–2013) for the subject area of philosophy.
- Search Committee Memberships: W2 Professorship of Philosophy of the Social Sciences and Social Philosophy, Leibniz University Hannover (2011–2013); W2 Professorship of Philosophy and History of the Natural Sciences, Leibniz University Hannover (2010–2011); W2 Professorship of Philosophy and History of the Humanities and Social Sciences, Leibniz University Hannover (2010); Endowed interdisciplinary Leibniz Professorship, Leibniz University Hannover (2008–2009).
- Student Member, Scientific Advisory Committee, Dutch Research School of Biodiversity (2000–2004).

Memberships in Research Projects and Consortia (Non-Applicant)

CURRENTLY RUNNING PROJECTS:

- *Theoretical Underpinnings of Molecular Biology (ThUMB)*: research team member; research project funded by the Croatian Science Foundation (PI: Predrag Šustar), Department of Philosophy, University of Rijeka, 2018–2022.
- *BEACON – An NSF Center for the Study of Evolution in Action*: external member; research consortium funded by the National Science Foundation, Michigan State University, 2017–present.
- *Biology of Xenogeneic Cell, Tissue and Organ Transplantation – From Bench to Bedside*, Transregional Collaborative Research Centre SFB 127, funded by the German Research Foundation (DFG); see <http://www.klinikum.uni-muenchen.de/SFB-TRR-127>; co-responsible for the work package *Taxonomy of Normative Entities in Xenotransplantation* within project Z1 (*Ethical, Legal, Psychosocial, and Societal Issues of Xenotransplantation*), 2016–present.

CONCLUDED PROJECTS:

- *Philosophie der Lebenswissenschaften in Deutschland (PLS-D)*: member; research network funded by the German Research Foundation (DFG; PI: Maria Kronfeldner) in 2011–2015 (see www.lebenswissen.org).
- *The Philosophy of Science in a European Perspective (PSE-ESF)*: member of team B: Philosophy of the Natural and Life Sciences; research network funded by the European Science Foundation (ESF) in 2008–2013 (see www.pse-esf.org).
- *Which Biodiversity Definition for Biodiversity Conservation? (BIODECON)*: external consultant; research project funded by the Fundação para a Ciência e a Tecnologia (FCT), grant PTDC/IVC-HFC/1817/2014 (PI: Elena Casetta), Centre for Philosophy of Science (CFCUL), University of Lisbon, 2016–2018.

Languages

- | | |
|----------------------------------|--|
| • Dutch: native speaker | • French: good command |
| • German: second native language | • Italian: basic working knowledge |
| • English: fully fluent | • Ancient Greek & Latin: high school level |