

Curriculum vitae

Thomas A.C. Reydon

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Contact details:

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Education:

- Ph.D. (Dutch doctorate degree) philosophy of biology, awarded by the Faculty of Mathematics and Natural Sciences, Leiden University (2005);
dissertation title: *Species as Units of Generalization in Biological Science: A Philosophical Analysis*; examination committee: Prof. D.J. Kornet (philosophy of biology, dissertation supervisor), Prof. J.A. Dupré (philosophy of biology, external examiner), Prof. J.W. McAllister (philosophy of science), Prof. J.A.J. Metz (theoretical biology), Prof. R.P.W. Visser (history of science)
- M.A. (Dutch 'doctorandus' degree) philosophy of science, awarded by the Faculty of Philosophy, Leiden University (1997)
- M.Sc. (Dutch 'doctorandus' degree) physics, awarded by the Faculty of Mathematics and Natural Sciences, Leiden University (1993)

Summer schools:

- 2001: Kira Institute interdisciplinary summer school, Amherst College, Amherst (MA, U.S.A.)
- 2001: 6th Erasmus course in systematic biology, University of Florence, Florence (Italy)
- 2000: Kira Institute interdisciplinary summer school, Amherst College, Amherst (MA, U.S.A.)

Secondary education: Aloysius College, The Hague (The Netherlands), 1981-1987.

Areas of work:

- AOS: philosophy of biology, general philosophy of science (epistemology & metaphysics)
- AOC: bioethics, ethics in science, philosophy of physics, philosophy of social science

Employment:

Academic appointments:

- Jan. 2009 – present: Lecturer (“*wissenschaftlicher Mitarbeiter*”, untenured) at the Center for Philosophy and Ethics of Science (ZEWW), Leibniz University of Hannover (Germany)
- Jan. 2006 – Dec. 2008: DFG research fellow at the Center for Philosophy and Ethics of Science (ZEWW), Leibniz University of Hannover (Germany)
- Sep. 2004 – Dec. 2005: postdoctoral fellow (“*wissenschaftlicher Mitarbeiter*”) of the Center for Philosophy and Ethics of Science (ZEWW), Leibniz University of Hannover (Germany)
- Dec. 1999 – Jun. 2004: Ph.D. research fellow (“*assistent in opleiding*”) in the Philosophy of the Life Sciences group (part of the section of Theoretical Biology), Institute of Biology, Leiden University (The Netherlands)

Visiting fellowships:

- Oct. 2008 – Nov. 2008: visiting fellow at the Minnesota Center for Philosophy of Science, University of Minnesota, Minneapolis (MN, U.S.A.)
- Jul. 2004 – Jun. 2006: visiting researcher at the section of Theoretical Biology, Institute of Biology, Leiden University (The Netherlands)

Non-academic employment:

- Oct. 1998 – Oct. 1999: trainee policy maker at the Dutch Ministry of Health, Welfare, and Sports (VWS) in the sections of Food & Veterinary Policy and Medical Ethics
- Nov. 1993 – Oct. 1998: bookseller at Kooyker Ginsberg booksellers (Leiden) and Verwijs booksellers (The Hague), 1997–1998 also store manager of the campus branch at Delft University of Technology.

Professional service:

Editorial & reviewing:

- Jan. 2007 – present: Associate Editor (for philosophy of biology & book reviews) of the journal *Acta Biotheoretica: An international journal on the mathematical and philosophical foundations of biological and biomedical science* (Springer, Dordrecht)
- Jan. 2002 – Dec. 2006: Managing Editor (acting chief editor) of the journal *Acta Biotheoretica: An international journal on the mathematical and philosophical foundations of biological and biomedical science* (Springer, Dordrecht)
- reviewer for academic journals:
- *Acta Biotheoretica*
 - *British Journal for the Philosophy of Science*
 - *Cognitive Processing*
 - *Dialectica*
 - *Evolutionary Ecology*
 - *Graduate Journal of Social Science*
 - *Journal for General Philosophy of Science*
 - *Philosophy of Science*
 - *Philosophy of the Social Sciences*
 - *Science & Education*

reviewer for
institutions:

- Konrad Lorenz Institute for Evolution and Cognition Research
(fellowship program)

Administrative & organizational:

- Co-organization of the public lecture session *Darwins Entstehung der Arten – 150 Jahre danach* (Historical Museum Am Hohen Ufer, Hannover; October, 31, 2009).
- Member, search committee for the first endowed Leibniz professorship, Leibniz University of Hannover (Nov. 2008 – April 2009).
- Co-organization of the conference *Biological Explanations of Behavior: Philosophical Perspectives*, Leibniz University of Hannover (June, 12-15, 2008).
- Leading organization of the 2005, 2006, 2007, 2008 and 2009 Leibniz Lectures at the Leibniz University of Hannover [Leibniz Lecturers: Martin Kusch (June, 27-29, 2005), Thomas Metzinger (June, 19-21, 2006), Bettina Schöne-Seifert (June, 13-15, 2007), Philip Kitcher (June, 9-11, 2008), Martin Carrier (June 15-17, 2009)].
- Co-organization of the symposium *Reconstructing Science and Ethics*, Leibniz University of Hannover (July, 13-15, 2006).
- Co-organization of the symposium *Philosophy of Biology in Flanders and the Netherlands*, Free University Amsterdam (February 13, 2004) [reviewed by Lemmens, P. (2004): 'Biofilosofen bezorgd om de toekomst van hun vak', *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 96.]
- Student member, scientific advisory committee of the Dutch Research School Biodiversity (Jan. 2000 – Dec. 2004).

Grants & awards:

- 2009: grant (co-applicant) from the *Freundeskreis der Leibniz Universität Hannover e.V.*, in support of the public lectures *Darwins Entstehung der Arten – 150 Jahre danach* (Historical Museum Am Hohen Ufer, Hannover; October, 31, 2009) (amount awarded: € 300,-).
- 2009: grant (co-applicant) from the Leibniz University of Hannover's Research Fund, in support of the public lectures *Darwins Entstehung der Arten – 150 Jahre danach* (Historical Museum Am Hohen Ufer, Hannover; October, 31, 2009) (amount awarded: € 1.000,-).
- 2008: conference support grant (co-applicant) from the Fund for Internationalization (Leibniz University of Hannover), funding the conference *Biological Explanations of Behavior: Philosophical Perspectives* (Leibniz University of Hannover; June, 12-15, 2008) (amount awarded: € 900,-).
- 2008: conference support grant (co-applicant) from the Lower Saxony Ministry of Science and Culture, funding the conference *Biological Explanations of Behavior: Philosophical Perspectives* (Leibniz University of Hannover; June, 12-15, 2008) (amount awarded: € 3.100,-).
- 2008: conference support grant (co-applicant) from the German Research Council (DFG), funding the conference *Biological Explanations of Behavior: Philosophical Perspectives* (Leibniz University of Hannover; June, 12-15, 2008), grant no. 4851/260/08 (amount awarded: € 5.900,-).
- 2007: personal research fellowship (sole applicant) from the German Research Council (DFG): one-year continuation of the project "How do life scientists generalize? Natural kinds as the grounds for explanatory generalizations in the life sciences" (Jan. 2008 – Dec. 2008), grant no. RE 2613/1-2 (amount awarded: about € 61.000,-).

- 2007: Jan van der Hoeven Award (amount € 2.000,-), awarded by the Jan van der Hoeven Foundation for Theoretical Biology (The Netherlands) for service to the profession of theoretical biology.
- 2005: personal research fellowship (sole applicant) from the German Research Council (DFG) for the two-year project "How do life scientists generalize? Natural kinds as the grounds for explanatory generalizations in the life sciences" (Jan. 2006 – Dec. 2007), grant no. RE 2613/1-1 (amount awarded: about € 121.000,-).
- 2003: ISHPSSB graduate student travel grant for participation in ISHPSSB 2003 (Vienna, Austria).
- 2001: ISHPSSB graduate student travel grant for participation in ISHPSSB 2001 (Hamden, CT, U.S.A.).
- 2001: EU Erasmus programme: full coverage of fees, travel expenses & accommodation for participation in the 6th Erasmus course in systematic biology (Florence, Italy).

Published work:

Edited books:

1. Plaisance, K.S. & Reydon, T.A.C. (Eds) (in preparation): *Philosophy of Behavioral Biology (Boston Studies in the Philosophy of Science)*, Dordrecht: Springer, under contract.
2. Reydon, T.A.C., Heit, H. & Hoyningen-Huene, P. (Eds) (2009): *Der universale Leibniz: Denker und Erfinder*, Stuttgart: Franz Steiner Verlag.
3. Reydon, T.A.C. & Hemerik, L. (Eds) (2005): *Current Themes in Theoretical Biology: A Dutch Perspective*, Dordrecht: Springer.

Edited journal issues:

1. Leonelli, S. & Reydon, T.A.C. (2005): *Symposium Issue: Philosophy of Biology in Flanders and The Netherlands*, *Acta Biotheoretica* 53, no. 2.
2. Chief editor for Vols. 50 (2002) – 54 (2006) (20 issues) of *Acta Biotheoretica: An international journal on the mathematical and philosophical foundations of biological and biomedical science* (Dordrecht: Kluwer Academic Publishers / Springer).

Journal articles (refereed):

1. Plaisance, K.S., Reydon, T.A.C. & Elgin, M. (in preparation): 'How should we evaluate Evolutionary Psychology?', manuscript.
2. Scholz, M. & Reydon, T.A.C. (under review): 'Organizational ecology: No Darwinian evolution after all. A rejoinder to Lemos', *Philosophy of the Social Sciences*, manuscript.
3. Reydon, T.A.C. (2009): 'How to fix kind membership: A problem for HPC-theory and a solution', *Philosophy of Science*, in press.
4. Reydon, T.A.C. (2009): 'Species and kinds: A critique of Rieppel's "one of a kind" account of species', *Cladistics*, in press.
5. Van Dijk, E.M. & Reydon, T.A.C. (2009): 'A conceptual analysis of evolutionary theory for teacher education', *Science & Education*, in press.
6. Reydon, T.A.C. (2009): 'Gene names as proper names of individuals: An assessment', *British Journal for the Philosophy of Science* 60: 409-432.
7. Reydon, T.A.C. & Scholz, M. (2009): 'Why organizational ecology is not a Darwinian research program', *Philosophy of the Social Sciences*, in press.

8. Reydon, T.A.C. (2009): 'Do the life sciences need natural kinds?', *Croatian Journal of Philosophy* 9: 169-190.
9. Reydon, T.A.C. (2008): 'Species in three and four dimensions', *Synthese* 164: 161-184.
10. Scholz, M. & Reydon, T.A.C. (2008): 'The population ecology programme in organization studies: Problems caused by unwarranted theory transfer', *Philosophy of Management* 6: 39-51.
11. Reydon, T.A.C. (2006): 'Generalization and kinds in natural science: The case of species', *Studies in History and Philosophy of Biological and Biomedical Sciences* 37: 230-255.
12. Reydon, T.A.C. (2005): 'On the nature of the species problem and the four meanings of 'species'', *Studies in History and Philosophy of Biological and Biomedical Sciences* 36: 135-158.
13. Reydon, T.A.C. (2004): 'Why does the species problem still persist?', *BioEssays* 26: 300-305.
14. Reydon, T.A.C. (2003): 'Discussion: Species are individuals – or are they?', *Philosophy of Science* 70: 49-56.

Articles in books and edited volumes (refereed):

1. Reydon, T.A.C. (2009): 'How special are the life sciences? A view from the natural kinds debate', in: [editors not yet known]: *The Philosophy of Science a European Perspective (ESF research network proceedings volume)*, Dordrecht: Springer, in press.
2. Reydon, T.A.C. (2009): 'Natural kind theory as a tool for philosophers of science', in: Suárez, M., Dorato, M. & Rédei, M. (Eds): *EPSA07: Launch of the European Philosophy of Science Association*, Dordrecht: Springer, in press.
3. Reydon, T.A.C. (2009): 'Der Transhumanismus ist nicht vertretbar', in: Grunwald, A. & Von Hartlieb, J. (Eds): *Ist Technik die Zukunft der menschlichen Natur? 35 Antworten auf eine Preisfrage des Forschungszentrums Karlsruhe*, Hannover: Wehrhahn, in press.
4. Scholz, M. & Reydon, T.A.C. (2008): 'Wie praktische Probleme aus ungerechtfertigter Theorieübertragung hervorgehen können: Eine Fallstudie des populationsökologischen Ansatzes in der Organisationstheorie', in: Scherer, A.G. & Patzer, M. (Eds): *Betriebswirtschaftslehre und Unternehmensethik*, Wiesbaden: Gabler, pp. 125-143.
5. Reydon, T.A.C., Dullemeijer, P. & Hemerik, L. (2005): 'The history of *Acta Biotheoretica* and the nature of theoretical biology', in: Reydon, T.A.C. & Hemerik, L. (Eds): *Current Themes in Theoretical Biology: A Dutch Perspective*, Dordrecht: Springer, pp. 1-8.
6. Reydon, T.A.C. & Kornet, D.J. (2004): 'Soorten in de systematische biologie', in: Diekmann, O., Heesterbeek, J.A.P. & Metz, J.A.J. (Eds): *De Wiskundige Kat, de Biologische Muis en de Jacht op Inzicht: Verkenningen op het Grensvlak van Wiskunde en Biologie*, Utrecht: Epsilon, pp. 199-218.
7. Reydon, T.A.C. (2002): 'De kruisbestuiving van biologie en filosofie: over soorten en natural kinds', in: Bartsch, R., Beentjes, R., De Bruin, B. & Van der Leeuw, K. (Eds): *Filosofie & Empirie: Handelingen van de 24e Nederlands-Vlaamse Filosofiedag*, Amsterdam: Faculteit der Geesteswetenschappen, Universiteit van Amsterdam, pp. 177-185.

8. Reydon, T.A.C. (2000): 'Monists, pluralists, and biologists', in: Sleutels, J.J.M. (Ed.): *Global Village – Filosofie in het Tijdperk van ICT, Acta 22^e Nederlands-Vlaamse Filosofiedag*, Leiden: Faculteit der Wijsbegeerte, Universiteit Leiden; online publication (10 pp.) at <http://www.leidenuniv.nl/philosophy/publicaties/overige/filosofiedag/index.html>.

Book and conference reviews:

1. Reydon, T.A.C. (in preparation): Book review of *Integrating Evolution and Development: From Theory to Practice* edited by Roger Sansom and Robert N. Brandon, *Acta Biotheoretica*.
2. Reydon, T.A.C. (2007): Book review of *Darwin and the Nature of Species* by David N. Stamos, *Quarterly Review of Biology* 82: 263-264.
3. Reydon, T.A.C. (2007): 'Philosophy of biology, German style' (essay review of *Philosophie der Biologie: Eine Einführung* edited by Ulrich Krohs and Georg Toepfer), *Biology and Philosophy* 22: 619-626.
4. Reydon, T.A.C. (2007): Book review of *Making Sense of Heritability* by Neven Sesardic, *Philosophy in Review / Comptes Rendus Philosophiques* 27: 218-220.
5. Reydon, T.A.C. (2006): Book review of *Evolution in Four Dimensions: Genetic, Epigenetic, Behavioral, and Symbolic Variation in the History of Life* by Eva Jablonka and Marion J. Lamb, *Philosophy in Review / Comptes Rendus Philosophiques* 26: 191-194.
6. Reydon, T.A.C. (2005): 'Bridging the gap between history and philosophy of biology' (book review of *The Philosophy of Biology: An Episodic History* by Marjorie Grene and David Depew), *Metascience* 14: 249-253.
7. Reydon, T.A.C. (2005): Book review of *Natural Kinds and Conceptual Change* by Joseph LaPorte, *Philosophical Quarterly* 55: 672-674.
8. Reydon, T.A.C. (2004): Book review of *Biological Complexity and Integrative Pluralism* by Sandra D. Mitchell, *Philosophy in Review / Comptes Rendus Philosophiques* 24: 276-279.
9. Reydon, T.A.C. (2004): Book review of *The Species Problem: Biological Species, Ontology, and the Metaphysics of Biology* by David N. Stamos, *Acta Biotheoretica* 52: 229-232.
10. Reydon, T.A.C. (2003): Book review of *The Nature of Diversity: An Evolutionary Voyage of Discovery* by Daniel R. Brooks and Deborah A. McLennan, *History and Philosophy of the Life Sciences* 25: 135-137.
11. Reydon, T.A.C. (2003): Book review of *Darwin and Design: Does Evolution Have A Purpose?* by Michael Ruse, *Human Nature Review* 3: 480-483.
12. Reydon, T.A.C. (2003): Book Review of *Quantum Theory: A Very Short Introduction* by John Polkinghorne, *Contemporary Physics* 44: 465-466.
13. Reydon, T.A.C. (2003): Book review of *Genes, Categories, and Species: The Evolutionary and Cognitive Causes of the Species Problem* by Jody Hey, *Quarterly Review of Biology* 78: 357.
14. Reydon, T.A.C. (2003): 'Philosophy of science in seven easy lessons' (book review of *Philosophy of Science: A Very Short Introduction* by Samir Okasha), *Metascience* 12: 235-237.
15. Reydon, T.A.C. (2003): Boekbespreking van *Darwins Moordbekentenis: De Ontwikkeling van het Denken van Charles Darwin* door Johan Braeckman, *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 95: 73-74.

16. Reydon, T.A.C. (2002): Book review of *Emergence: The Connected Lives of Ants, Brains, Cities, and Software* by Steven Johnson, *History and Philosophy of the Life Sciences* 24: 125-127.
17. Lemmens, P. & Reydon, T.A.C. (2002): 'Het genoom in context', *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 94: 230-232.
18. Reydon, T.A.C. (2002): Book review of *Species Concepts and Phylogenetic Theory: A Debate* edited by Quentin D. Wheeler & Rudolf Meier, *Acta Biotheoretica* 50: 137-140.
19. Reydon, T.A.C. (2001): Book review of *Evolution as Natural History: A Philosophical Analysis* by Wim J. van der Steen, *Acta Biotheoretica* 49: 203-206.
20. Reydon, T.A.C. & Vermeir, K. (2001): 'De moeizame verhouding van filosofie en ICT', *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 93: 146-149.

Miscellaneous publications (non-refereed) & government reports:

1. Hengeveld, R. & Reydon, T.A.C. (2007): 'Editorial: A new turn to the study of the origin of life', *Acta Biotheoretica* 55: 95-96.
2. Leonelli, S. & Reydon, T.A.C. (2005): 'Editorial: Symposium issue on philosophy of biology in Flanders and The Netherlands', *Acta Biotheoretica* 53: 55-56.
3. Hemerik, L. & Reydon, T.A.C. (2005): 'The history of *Acta Biotheoretica*: The world's oldest theoretical biology journal', *Communications of the European Society for Mathematical and Theoretical Biology* 7: 13-17.
4. Reydon, T.A.C. (2002): 'Editorial: Looking back, looking ahead', *Acta Biotheoretica* 50: i-ii.
5. Anon. (1999): *Over de Organisatie van Publieke Debatten* (On the Organization of Public Debates), report written for the Dutch Minister of Health, Welfare & Sports (VWS), Den Haag: Ministerie van Volksgezondheid, Welzijn en Sport (65 pp., sole author).
6. Anon. (1999): *Tweede Voortgangsrapportage Biotechnologie en Levensmiddelen* (Second Progress Report on Biotechnology and Foodstuffs), report presented to the Dutch Parliament by the Ministers of Health, Welfare & Sports (VWS) and Agriculture, Nature and Fisheries (LNV), *Tweede Kamer der Staten Generaal, vergaderjaar 1998-1999*, 26 407, nr. 2, pp. 13-35 (sole author).

Not formally published academic work:

1. Reydon, T.A.C. (2005): *Species as Units of Generalization in Biological Science: A Philosophical Analysis*, Ph.D.-dissertation, Leiden University (153 pp. – ISBN 90-8559-090-6).
[Review: Wouters, A. (2005), *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 97: 311-313.]
2. Reydon, T.A.C. (1997): *The Metaphysics of Relative State Quantum Theory: Towards an Interpretation on a Kantian Basis*, M.A.-thesis Philosophy of Science, Leiden University (73 pp.).
3. Reydon, T.A.C. (1996): *Of Minds and Worlds in Quantum Physics: A Study Into Everettian Quantum Mechanics*, minor thesis for M.A. Philosophy of Science, Leiden University (43 pp.).
4. Reydon, T.A.C. (1993): *On Collective Pinning of the Flux Line Lattice in Superconducting 2H-NbSe₂*, M.Sc.-thesis Physics, Leiden University (56 pp.).

Talks & presentations:

- 2009: Invited commentary on Peter McLaughlin: "The arrival of the fittest: What natural selection explains", Workshop *Explanation, Prediction, and Confirmation in Biology and Medicine*, University of Konstanz, 2-4 October 2009.
- Design ohne Designer? Keine Herausforderungen für die Evolutionstheorie*, invited lecture in the series *Die kreative Evolution*, Faculty of Cultural Studies, University of Witten/Herdecke, 25 June 2009.
- Invited commentary on Jesús Vega & Diego Lawler: "Creating artifactual kinds", Workshop *Artifact Kinds*, Delft University of Technology, 4-5 June 2009.
- 2008: *How special are the life sciences? A view from the natural kinds debate*, invited lecture at the conference *The Present Situation in the Philosophy of Science*, opening conference of the ESF research networking programme *The Philosophy of Science in a European Perspective*, University of Vienna, 18-20 December 2008.
- How to fix kind membership: A problem for HPC-theory and a solution*, contributed talk at the 21st biennial meeting of the Philosophy of Science Association, Pittsburgh, 6-9 November 2008.
- Natural kinds: Between metaphysical conservatism and epistemological liberalism*, invited lecture, colloquium of the Minnesota Center for Philosophy of Science, University of Minnesota, Minneapolis, 13 October 2008.
- Natural kinds und Klassifizierung in Alltag und Wissenschaft*, contributed talk at the XXIth Congress of the Deutsche Gesellschaft für Philosophie (German Philosophical Association), University of Duisburg-Essen, campus Essen, 15-19 September 2008.
- A "middle of the road" account of natural kinds, contributed talk at ECAP6: sixth European Congress of Analytic Philosophy, Jagiellonian University, Cracow, 21-26 August 2008.
- A "middle of the road" view of natural and functional kinds, invited lecture, departmental colloquium, Department of Philosophy, Delft University of Technology, 3 March 2008.
- 2007: Invited discussion statement on Richard Dawkins: *The God Delusion*, "Aktuelles Forum" on the topic *Is Religion Dangerous? The Debate on the New Atheism*, Forschungsinstitut für Philosophie Hannover (Catholic Research Institute for Philosophy Hannover), Hannover, 17 December 2007.
- Natural kinds as tools for philosophers of science*, contributed talk at EPSA07: first conference of the European Philosophy of Science Association, Complutense University, Madrid, 14-17 November 2007.
- How scientists use kinds: Genes and modules as a case study*, contributed talk at the 2007 Meeting of the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), University of Exeter, 25-29 July 2007.
- How scientists use kinds: Genes and modules as a case study*, contributed talk at the 2007 Annual Conference of the British Society for the Philosophy of Science, University of Bristol, 5-6 July 2007.
- Natural kinds in biology? Genes and modules as a case study*, invited lecture in the Séminaire de Philosophie de la Biologie de l'IHPST, Institut d'Histoire et de Philosophie des Sciences et des Techniques, Université de Paris 1 (Panthéon - Sorbonne), 5 April 2007.

- The population ecology programme in organizational studies: ethical problems caused by unwarranted theory transfer* (with Markus Scholz), contributed talk at the workshop *Betriebswirtschaftslehre und Unternehmensethik*, committee on philosophy of science of the Association of University Professors of Management, Ludwig Maximilians University, Munich, 2-3 March 2007.
- 2006: *Three-dimensionalism and four-dimensionalism from the perspective of the species problem*, contributed talk at GAP.6: 6. Kongress der Gesellschaft für Analytische Philosophie (6th Congress of the German Society for Analytic Philosophy), Free University Berlin, 11-14 September 2006.
Invited symposium commentary & discussion chair, *Symposium Modelling and Experimentation in Biology*, Free University Amsterdam, 23 May 2006.
- 2005: *(Why) do the life sciences need natural kinds – And (how) could they get them?*, contributed talk at the 2005 Meeting of the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), University of Guelph, 13-17 July 2005.
(Why) do the life sciences need natural kinds – And (how) could they get them?, contributed talk at the 31st Annual Philosophy of Science Conference, Inter-University Centre, Dubrovnik, 11-15 April 2005.
- 2003: *The species problem and the four meanings of 'species'*, invited lecture in the departmental colloquium "Aktuelle Arbeiten in Wissenschaftsphilosophie und Wissenschaftsethik", Center for Philosophy and Ethics of Science, University of Hannover, 22 October 2003.
Some explorations on the four meanings of 'species', contributed talk at the 12th International Congress of Logic, Methodology and Philosophy of Science, University of Oviedo, 7-13 August 2003.
Complexity thinking and the species problem: an exploration, contributed talk at the 2003 Meeting of the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), University of Vienna / Konrad Lorenz Institute for Evolution and Cognition Research, 16-20 July 2003.
- 2002: *De kruisbestuiving van biologie en filosofie: over soorten en natural kinds*, contributed talk at the 24^e Nederlands-Vlaamse Filosofiedag (24th Dutch-Flemish Philosophy Day), University of Amsterdam, 2 November 2002.
Species in biology are (also) natural kinds, contributed talk at the 28th Annual Philosophy of Science Conference, Inter-University Centre, Dubrovnik, 8-13 April 2002.
- 2001: contributed poster presentation: D.J. Kornet, T.A.C. Reydon & A.G. Wouters: *Proper levels of organization: some implications*, International Interdisciplinary Symposium *Contextualizing the Genome* (organized by the research group Evolution & Complexity), Ghent University, 25-28 November 2001.
Self-organization and the evolutionary species concept, contributed talk at the 2001 Meeting of the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), Quinnipiac University, Hamden (CT), 18-22 July 2001.
An attractor concept of evolutionary species, contributed talk at the 27th Annual Philosophy of Science Conference, Inter-University Centre, Dubrovnik, 9-14 April 2001.

- 2000: *Monists, pluralists, and biologists*, contributed talk at the 22^e Nederlands-Vlaamse Filosofiedag (22nd Dutch-Flemish Philosophy Day), Leiden University, 28 October 2000.
- Species definitions: meeting the demands of phylogenetics*, contributed talk at the XIXth Meeting of the Willi Hennig Society, Naturalis – The Netherlands National Museum of Natural History, Leiden, 28 May - 2 June 2000.
- Species dualism*, contributed talk at the 26th Annual Philosophy of Science Conference, Inter-University Centre, Dubrovnik, 10-15 april 2000.
- 1999: *De overheid en het openbare debat*, invited talk at the workshop *Openbare Debatten en publieksvoortlichting bij vraagstukken rond biomedische technologie*, Medical Ethics department of the Dutch Ministry of Health, Welfare, and Sports (VWS), Wassenaar (The Netherlands), 14 June 1999.
- Biotechnologie & levensmiddelen: maatschappelijke & politieke aspecten*, invited talk at the Startconferentie Biotechnologie, Dutch Food & Veterinary Inspection, Zoetermeer (The Netherlands), 28 January 1999.
- 1998: *De quantummechanica interpreteren: Everett en Kant*, invited talk at the colloquium of the Institute for History and Foundations of Mathematics and the Natural Sciences, Utrecht University, 30 January 1998.

Teaching experience:

Certificate: in training for the higher education teaching certificate *Weiterbildung in der Hochschullehre (WindH)*

Courses taught (WS = fall / winter semester, SS = spring / summer semester):

as independent instructor (independent course development & teaching):

Ethics for students in the life sciences: introduction to ethics of science & bioethics, mandatory course (3rd/4th year of study) in the B.Sc. biology and the B.Sc. and M.Ed. biology teacher training programs, and optional course in the B.Sc. life science and B.Sc. biochemistry programs at Leibniz University of Hannover (taught SS 2005, SS 2006, WS 2006/2007, SS 2008, SS 2009).

Science & religion: the “intelligent design” debate: graduate seminar (philosophy program, M.A. program Religion in Cultural Context & M.Ed. program Values and Norms, also open for students in the interdisciplinary Bachelor programs Religion Studies & Values and Norms), Leibniz University of Hannover (taught SS 2009).

Philosophy of ecology: graduate seminar (philosophy program, open for advanced students in biology programs), Leibniz University of Hannover (taught WS 2007/2008).

Philosophical theories about natural kinds: graduate seminar (philosophy program), Leibniz University of Hannover (taught SS 2006).

Philosophy of biology: introductory course for advanced undergraduates & graduates (philosophy program, open for students in science programs); taught independently at Leibniz University of Hannover (WS 2004/2005 & WS 2005/2006) and co-taught at Leiden University (WS 2001 with Dr. A.G. Wouters, SS 2002 as undergraduate course with Prof. D.J. Kornet).

Foundations of the species concept: graduate course at Leiden University, taught as part of the Biology M.Sc.-program and the Ph.D.-program of the Dutch Research School Biodiversity (SS 2003).

as guest lecturer:

½-day session on the species concept in the M.Sc. & PhD-course Advanced topics in phylogeny reconstruction, (National Herbarium of the Netherlands & Dutch Research School Biodiversity, WS 2000, WS 2001, SS 2003).

½-day session on the species concept in the 2nd-year Biology course Biodiversity & pattern analysis (Leiden University, WS 2001, SS 2001, SS 2003).

1-day session on facts and values in science in the 3rd-year Biopharmacy course Acquiring scientific knowledge (Leiden University, SS 2001).

as teaching assistant (TA of Prof. D.J. Kornet):

Foundations of natural science / Foundations of biology: one week introductory course for incoming science students, (Leiden University, WS 1999, WS 2000, WS 2001, WS 2002).

Biology & society: mentoring of student project groups, undergraduate level (Leiden University, SS 2001, SS 2002).

Biological form: graduate level seminar on Darwin's *Origin of Species* & D'Arcy Thompson's *On Growth and Form* (Leiden University, WS 2001).

Foundations of the species concept: M.Sc. & PhD-course (Leiden University & Dutch Research School Biodiversity, SS 2000).

Professional memberships:

project team:

The Philosophy of Science in a European Perspective: research networking programme funded by the European Science Foundation (ESF) in the period 2008 – 2013 (see <http://www.pse-esf.org>); member of team B: Philosophy of the Natural and Life Sciences.

professional societies:

EPSA: European Philosophy of Science Association

GAP: Gesellschaft für Analytische Philosophie (German Society for Analytical Philosophy)

ISHPSSB: International Society for the History, Philosophy and Social Studies of Biology

NVWF: Nederlandse Vereniging voor Wetenschapsfilosofie (Dutch Society for Philosophy of Science)

PSA: Philosophy of Science Association

SPSP: Society for Philosophy of Science in Practice

Languages:

Dutch: native speaker

English, German: fluent (German: second native language)

French, Italian: intermediate level (active and passive proficiency)

Latin, classical Greek, Russian: elementary level (translation of written texts)