



Universiteit
Leiden
The Netherlands

Species as units of generalization in biological science: a philosophical analysis

Reydon, T.

Citation

Reydon, T. (2005, June 1). *Species as units of generalization in biological science: a philosophical analysis*. Retrieved from <https://hdl.handle.net/1887/2700>

Version: Corrected Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/2700>

Note: To cite this publication please use the final published version (if applicable).

Curriculum vitae & List of publications

Personal:

Name: Reydon
 First names: Thomas Anthonius Christian
 Date of birth: April 11, 1969
 Place of birth: The Hague (The Netherlands)

Education:

1999-2005: Ph.D. Philosophy of Biology,
 Faculty of Mathematics and Natural Sciences, Leiden University.
 1994-1997: M.A. (Dutch: *doctorandus*) Philosophy of Science,
 Faculty of Philosophy, Leiden University,
 minor thesis: *Of Minds and Worlds in Quantum Physics:
 A Study Into Everettian Quantum Mechanics*,
 major thesis: *The Metaphysics of Relative State Quantum Theory:
 Towards an Interpretation on a Kantian Basis*.
 1987-1993: M.Sc. (Dutch: *doctorandus*) Physics,
 Faculty of Mathematics and Natural Sciences, Leiden University,
 thesis: *On Collective Pinning of the Flux Line Lattice in
 Superconducting 2H-NbSe₂*.
 1981-1987: secondary education (Dutch: *Voorbereidend Wetenschappelijk
 Onderwijs*), Aloysius College, The Hague.

Employment:

2004-present: postdoctoral researcher (German: *wissenschaftlicher Mitarbeiter*).
 Center for Philosophy and Ethics of Science (ZEWW),
 University of Hanover, Hanover (Germany).
 1999-2004: PhD-researcher (Dutch: *assistent in opleiding*),
 Philosophy of the Life Sciences Group, Institute of Biology,
 Leiden University, Leiden (The Netherlands).
 1998-1999: trainee, Dutch Ministry of Health, Welfare & Sports (VWS),
 Departments of Food and Veterinary Policy, and Medical Ethics,

- The Hague (The Netherlands).
- 1997-1998: store manager, Kooyker Ginsberg booksellers, campus store Technical University Delft, Delft (The Netherlands).
- 1993-1998: bookseller, Kooyker Ginsberg booksellers, Leiden (The Netherlands), and Verwijs booksellers, The Hague (The Netherlands).

Publications:

refereed journal articles:

1. 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.
2. Reydon, T.A.C. (2004). Why does the species problem still persist? *BioEssays* 26: 300-305.
3. Reydon, T.A.C. (2003). Discussion: Species are individuals – or are they? *Philosophy of Science* 70: 49-56.

edited volumes:

1. Reydon, T.A.C. & Hemerik, L. (Eds) (2005). *Current Themes in Theoretical Biology: A Dutch Perspective*, Dordrecht: Springer, 310 pp.
2. *Acta Biotheoretica: An international journal on the mathematical and philosophical foundations of biological and biomedical science*, Volumes 50 (2002) – present (journal published by Kluwer Academic Publishers, from 2005 onward published by Springer).

article for a general audience:

1. 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.

articles in conference proceedings:

1. 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 24^e Nederlands-Vlaamse Filosofiedag*, Amsterdam: Faculteit der Geesteswetenschappen, Universiteit van Amsterdam, pp. 177-185.
2. 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;
 electronic publication available at
<http://www.leidenuniv.nl/philosophy/publicaties/overige/filosofiedag/index.html>.

book and conference reviews:

1. 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, in press.
2. Reydon, T.A.C. (2005). Book review of *Natural Kinds and Conceptual Change* by Joseph LaPorte. *Philosophical Quarterly* 55, in press.
3. 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.
4. 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.
5. 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.
6. 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.
7. Reydon, T.A.C. (2003). Book Review of *Quantum Theory: A Very Short Introduction* by John Polkinghorne. *Contemporary Physics* 44: 465-466.
8. 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.
9. 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.
10. 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.
11. 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.
12. Lemmens, P. & Reydon, T.A.C. (2002). Het genoom in context. *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 94: 230-232.

13. Reydon, T.A.C. (2002). Book review of *Species Concepts and Phylogenetic Theory: A Debate* by Quentin D. Wheeler & Rudolf Meier. *Acta Biotheoretica* 50: 137-140.
14. 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.
15. Reydon, T.A.C. & Vermeir, K. (2001). De moeizame verhouding van filosofie en ICT. *Algemeen Nederlands Tijdschrift voor Wijsbegeerte* 93: 146-149.

other published work:

1. Leonelli, S. & Reydon, T.A.C. (2005). Editorial: Symposium issue on philosophy of biology in Flanders and The Netherlands. *Acta Biotheoretica* 53: in press.
2. 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.
3. Reydon, T.A.C. (2002). Editorial: Looking back, looking ahead. *Acta Biotheoretica* 50: i-ii.
4. 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.
5. 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.

Presentations of Ph.D.-research:

Parts of the work contained in this Ph.D.-dissertation have been presented in talks at various national and international meetings: the XIXth meeting of the Willi Hennig Society (Leiden, May/June 2000), the 22nd and 24th Dutch-Flemish Philosophy Day (*Nederlands-Vlaamse Filosofiedag*) (Leiden, October 2000 and Amsterdam, November 2002); the 26th, 27th and 28th Annual Philosophy of Science Conference (Dubrovnik, April 2000, April 2001 and April 2002); the 2001 and 2003 meetings of the International Society for the History, Philosophy, and Social Studies of Biology (Hamden (Conn.), July 2001 and Vienna, July 2003); and the 12th International Congress of Logic, Methodology and Philosophy of Science (Oviedo, August 2003). A poster was presented

at the conference 'Contextualizing the Genome: The Role of Epigenetics in Genetics, Development and Evolution' (Ghent, November 2001). Part of the Ph.D-training was participation in three summer schools: the 3rd and 4th Kira Institute summer schools at Amherst College (Amherst (Mass.), 2000 and 2001) and the 6th Erasmus Course in Systematic Biology at the University of Florence (Florence, 2001).