

## Eric-Jan Wagenmakers

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PERSONAL Born May 21, 1972, in Baarland, The Netherlands. Dutch Citizenship.

EMPLOYMENT Associate Professor at the Methodology Unit of the Department of Psychology at the University of Amsterdam.

*2007–2012.* Research fellow on a personal Vidi grant, awarded by the Netherlands Organisation for Scientific Research (NWO). Main interests: response time modeling, hypothesis testing and model selection, Bayesian inference, reinforcement learning, and the interaction between quantitative modeling and cognitive neuroscience.

*2004–2007.* Research fellow on a personal Veni grant, awarded by the Netherlands Organisation for Scientific Research (NWO). Main interests: long-range correlations in psychological time series, response time modeling, model selection methods, development of expertise, and reinforcement learning.

*2003–2004.* Postdoctoral fellow with Han van der Maas and Peter Molenaar, University of Amsterdam. Main interests: Modeling phase transitions using stochastic catastrophe theory, with possible application to response times.

*2001–2003.* Postdoctoral fellow with Roger Ratcliff, Northwestern University. Main interests: Lexical decision, time series analysis, response time modeling, and model selection methods.

*1996–2000.* Graduate student with Jeroen Raaijmakers, University of Amsterdam. Main interests: Modeling of human memory and visual word recognition. September 1998–May 1999: Fulbright scholarship to work with Rich Shiffrin, Indiana University.

*1994–1996:* Undergraduate student with Ritske de Jong, University of Groningen. Main interests: Aging, task switching, and response times.

PROFESSIONAL  
SERVICE

- President of the *Society for Mathematical Psychology*, 2011–present.
- Advisory Board, *PsychFileDrawer.org* project.
- Associate Editor for *Psychonomic Bulletin & Review*, 2010–present.
- Associate Editor for *Cognitive Psychology*, 2009–present.
- Editor of the Tutorial Section in *Journal of Mathematical Psychology*, 2008–present.

- Member of the board of consulting editors for *Psychological Review*, 2011–present.
- Member of the board of consulting editors (i.e., member of the “Review Editorial Board”) for *Frontiers in Decision Neuroscience*, 2010–present.
- Member of the board of consulting editors for *Journal of Mathematical Psychology*, 2010–present.
- Member of the board of consulting editors for *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 2009.
- Member of the board of consulting editors for *Psychonomic Bulletin & Review*, 2006–2009.
- Member of the editorial board for *Journal of Mathematical Psychology*, 2006–2009.
- Guest editor for the special issue “Model Selection: Theoretical Developments and Applications”, *Journal of Mathematical Psychology*, 2006, Vol. 50, issue 2, pp. 99–214 (with Lourens Waldorp).

#### ORGANIZATIONAL ACTIVITIES

- Together with Birte Forstmann, part of the organizing committee for the Academy Colloquium “New Insights from Model-Based Cognitive Neuroscience” funded by the Royal Netherlands Academy of Arts and Sciences (KNAW). The colloquium will take place in Amsterdam, May 2012.
- Together with Ruud Wetzels, Dora Matzke, and Michael Lee, part of the organizing committee for the one-week workshop “Bayesian Modeling for Cognitive Science”. The workshop took place August 22–26, 2011, in Amsterdam, the Netherlands, and attracted 48 participants.
- Chair of the organizing committee for the 42nd annual meeting of the *Society for Mathematical Psychology* and the 40th annual meeting of the *European Mathematical Psychology Group*. The joint meeting took place August 1–4, 2009, in Amsterdam, the Netherlands, and attracted over 250 participants.
- Global coordinator of the Socrates–Erasmus Intensive Programme 2009, 2010, and 2011 on “Formal Models and Quantitative Methods for Psychology”, a European-wide initiative to promote mathematical modeling in psychology. Participating institutions: University of Amsterdam, International University Bremen, University of Debrecen, University of Glasgow, University of Graz, University of Leuven, University of Lisbon, University Complutense of Madrid, University of Oldenburg, University of Padova, University of Tartu, University of Oulu, and University of Tübingen.
- Local coordinator of the Socrates–Erasmus Intensive Programme 2006, 2007, and 2008 on “Mathematical and Computational Models in the Psychological Sciences”.
- Organized the symposium “Modeling Response Times” for the 71th annual meeting of the Psychometrics Society, Montreal, Canada, June 14–17, 2006.

- Co-organized a three-day workshop “Model Selection: Theoretical Developments and Applications”, in Amsterdam, the Netherlands, August 2004. Participants included Marc Aerts, Jim Berger, Ken Bollen, Michael Browne, Ken Burnham, Laurie Davies, Aart de Vos, Malcolm Forster, Paul Vitanyi, and Jay Myung. External funding was provided by NWO.
- Co-organized a three-day workshop “Computational Models of Memory” in Amsterdam, the Netherlands, September 2001. Participants included John Anderson, Roger Ratcliff, Rich Shiffrin, Erik Altmann, Randall O’Reilly, Mike Masson, Trish Van Zandt and Art Jacobs. External funding was provided by NWO and the Royal Academy of Arts and Sciences.

#### MEMBERSHIPS

- Member of the Society for Mathematical Psychology.
- Member of the International Society for Bayesian Analysis.
- Member of the Psychonomic Society.
- Member of ESCoP, the European Society for Cognitive Psychology.
- Member of the Dutch Psychonomic Society (NVP).
- Member of IOPS, a Dutch Research School for Psychometrics and Sociometrics.

#### AWARDS AND GRANTS

21. Partner investigator on the Australian Research Council AUD\$134,000 three-year project “Rapid Decisions: From Neuroscience to Complex Cognitions” (chief investigators: Scott Brown, Ami Eidels, and Andrew Heathcote; project duration: 2012–2014).
20. Partner investigator on the Australian Research Council AUD\$387,000 three-year project “Cognitive Flexibility from Adolescence to Senescence: Variability Associated with Cognitive Strategy and Brain Connectivity” (chief investigators: Frini Karayanidis, Rhoshel Lenroot, Mark Parsons, and Patricia Michie; project duration: 2012–2014).
19. In 2011, the project “Bayes or Bust: Sensible Hypothesis Tests for Social Scientists” was awarded a five-year €1,500,000 “consolidator” grant from the European Research Council.
18. In 2011, the €23,000 Academy Colloquium proposal “New Insights from Model-Based Cognitive Neuroscience” was funded by the Royal Netherlands Academy of Arts and Sciences (KNAW). Fellow applicant is Birte Forstmann.
17. External advisor on the Engineering and Physical Sciences Research Council £1,858,354 project “Decision making in an unstable world” (investigators: Iain Gilchrist, Roland Baddeley, Rafal Bogacz, Simon Farrell, David Leslie, Casimir Ludwig, and John McNamara).
16. In 2011, the “MaGW open competition” PhD project “A dynamic and formal account of what people do before and after they make an error” was awarded

a four-year €208,193 grant from the Netherlands Organisation for Scientific Research (NWO). Fellow applicants are Birte Forstmann, Sander Nieuwenhuis, and Han van der Maas.

15. Consultant on the NSF \$440,000 CAREER project “Cued recall: Theory and data” (PI Amy Criss, Syracuse University).

14. In 2010, the “ALW open competition” postdoc project “The neural basis of decision-making with multiple choice alternatives” was awarded a three-year €228,921 grant from the Netherlands Organisation for Scientific Research (NWO). Fellow applicants are Birte Forstmann, Sander Nieuwenhuis, Rafal Bogacz, Scott Brown, John Serences, and Han van der Maas.

13. In 2009, the project “Decision-making and adaptive control over impulsive actions” was awarded a €580,000 focal point (“Zwaartepunt”) grant from the University of Amsterdam. Fellow applicants include Richard Ridderinkhof, Frans van Winden, Damiaan Denys, and Birte Forstmann.

12. Co-applicant on the “ALW open competition” four-year €218,000 PhD grant proposal “The anatomical and neurochemical foundations of decision-making under time pressure”, funded by the Netherlands Organisation for Scientific Research (NWO). Fellow applicant and PI is Birte Forstmann.

11. The Socrates-Erasmus Intensive Programme “Formal Models and Quantitative Methods for Psychology” was awarded three grants from the Institute on Life Long Learning; €52,855 in 2008, €46,462 in 2009, and €46,017 in 2010. These grants supported the organization of 10-day seminars on mathematical psychology for students from 13 universities across Europe. Fellow applicants are Luca Stefanutti (University of Padova), Francis Tuerlinckx (Catholic University of Leuven), Martin Lages (University of Glasgow), Hans Colonius (University of Oldenburg), Akos Munnich (University of Debrecen), Thomas Augustin (University of Graz), Miguel Garcia-Perez (University Complutense of Madrid), Adele Diederich (Jacobs University of Bremen), Helena Bacelar Nicolau (University of Lisbon), Aire Raidvee (University of Tartu), Rolf Ulrich (University of Tübingen), and Peter Hasto (University of Oulu).

10. In 2007, the project “Diffusion Processes in the Brain” was awarded a one-year €28,220 “pilot” grant from the Netherlands Organisation for Scientific Research (NWO). Fellow applicants are Birte Forstmann, Scott Brown (University of Newcastle), and Jane Neumann (MPI Leipzig).

9. Consultant on the three-year \$430,000 Air Force Research Laboratory project “Modeling Exploration and Exploitation in Structured Environments” (PIs Michael D. Lee and Mark Steyvers, University of California at Irvine).

8. William K. Estes Early Career Award, Society for Mathematical Psychology. The annual award was presented at the 2007 Mathematical Psychology meeting in Irvine, USA.

7. In 2006, the project “Modeling the Relation Between Speed and Accuracy” was awarded a five-year €600,000 “Vidi” grant from the Netherlands Organisation for Scientific Research (NWO).

6. Paul Bertelson Early Career Award, The European Society for Cognitive Psychology (ESCoP). The bi-annual award was presented at the 2007 ESCoP conference in Marseille, France. “The Paul Bertelson award is designed to honor scientists at a relatively early stage of their scientific career, who have made an outstanding contribution to European Cognitive Psychology”.

5. Co-applicant on the “MaGW open competition” four-year €170,000 PhD grant proposal “Development of cognitive expertise in chess”, funded by the Netherlands Organisation for Scientific Research (NWO). Fellow applicants are Han van der Maas (PI) and Frenk van Harreveld.

4. In 2004, the project “Methods and Models for 1/f Noise in Human Cognition” was awarded a three-year €200,000 “Veni” grant from the Netherlands Organisation for Scientific Research (NWO).

3. Best Thesis Award, Dutch Psychonomic Society (NVP). The bi-annual award was presented at the 2003 NVP meeting in Egmond aan Zee, the Netherlands. The thesis is titled “Priming in Visual Word Recognition: Empirical Studies and Computational Models”.

2. Best Graduate Student Article Award, EPOS (i.e., a Dutch research school for experimental psychology). The award was presented at the 2000 EPOS meeting in Amsterdam, the Netherlands. The article is titled “Testing the counter model for perceptual identification: Effects of repetition priming and word frequency.” (Wagenmakers, Zeelenberg, & Raaijmakers, 2000).

1. Fulbright scholarship for an eight-month stay at Indiana University to work with Rich Shiffrin on the REM memory model (1999).

AD HOC  
REVIEWING

- *Acta Psychologica*
- *Attention, Perception, & Psychophysics*
- *Basic Research Funding Program of the Athens University of Economics and Business*
- *Behavior Research Methods*
- *Behavioral and Brain Sciences*
- *Brain and Cognition*
- *Cambridge University Press* book proposals
- *Canadian Journal of Experimental Psychology*
- *The Canadian Journal of Statistics*
- *Clinical Chemistry*

- *Cognition*
- *Cognitive Psychology*
- *Cognitive Science*
- The *Cognitive Science* conference: 2004, 2007
- *Computational Statistics and Data Analysis*
- *Current Directions in Psychological Science*
- *Developmental Psychology*
- *Electronic Journal of Statistics*
- *Experimental Brain Research*
- *The European Journal of Cognitive Psychology*
- *The European Journal of Developmental Psychology*
- *European Journal of Neuroscience*
- *The European Physical Journal B*
- *The European Psychologist*
- *IEEE Transactions on Signal Processing*
- *Frontiers in Decision Neuroscience*
- *Frontiers in Quantitative Psychology and Measurement*
- FWO (*Research Foundation Flanders*)
- *Journal of Applied Statistics*
- *Journal of Cognitive Neuroscience*
- *Journal of Experimental Psychology: Human Perception & Performance*
- *Journal of Experimental Psychology: General*
- *Journal of Experimental Psychology: Learning, Memory, and Cognition*
- *Journal of Mathematical Psychology*
- *Journal of Memory and Language*
- *The Journal of Problem Solving*
- *Journal of Statistical Planning and Inference*
- *Journal of Vision*
- *Learning and Individual Differences*
- *Memory*
- *Memory & Cognition*
- *Motor Control*
- *Multivariate Behavioral Research*
- NIPS (*Neural Information Processing Systems*) conferences: 2002, 2003, 2007
- *Neural Computation*
- *Neuropsychology*

- *Neuron*
- NSF (*National Science Foundation*)
- NWO (*Netherlands Organisation for Scientific Research*), MaGW Research Talent programme
- *Perception & Psychophysics*
- *PLoS ONE*
- *Proceedings of the National Academy of Sciences*
- *Psychonomic Bulletin & Review*
- *Psychological Assessment*
- *Psychological Bulletin*
- *Psychological Methods*
- *Psychological Research*
- *Psychological Review*
- *Psychology and Aging*
- *Psychometrika*
- *Quarterly Journal of Experimental Psychology*
- *Self and Identity*
- Springer book proposals
- *Statistica Neerlandica*
- *Swiss National Science Foundation*
- *Topics in Cognitive Science*
- *Trends in Cognitive Sciences*

#### BOOKS

Forstmann, B. U. & Wagenmakers, E.-J. (Eds.). In preparation. *An introduction to model-based cognitive neuroscience*. Springer.

Lee, M. D. & Wagenmakers, E.-J. (in preparation). *Bayesian modeling for cognitive science: A practical course*. Cambridge University Press.

#### ARTICLES

84. Hawkins, G., Brown, S. D., Steyvers, M., & Wagenmakers, E.-J. (in press). An optimal adjustment procedure to minimize experiment time in decisions with multiple alternatives. *Psychonomic Bulletin & Review*.

83. Van Maanen, L., Grasman, R. P. P. P., Forstmann, B. U., Keuken, M. C., Brown, S. D., & Wagenmakers, E.-J. (in press). Similarity and number of alternatives in the random-dot motion paradigm. *Attention, Perception, & Psychophysics*.

82. Mulder, M., Wagenmakers, E.-J., Ratcliff, R., Boekel, W., & Forstmann, B. (in press). Bias in the brain: A diffusion model analysis of prior probability and potential payoff. *Journal of Neuroscience*.

81. van Maanen, L., Grasman, R. P. P. P., Forstmann, B. U., & Wagenmakers, E.-J. (2012). Piéron's law and optimal behavior in perceptual decision-making. *Frontiers in Decision Neuroscience*, *5*:143.
80. Hawkins, G., Brown, S. D., Steyvers, M., & Wagenmakers, E.-J. (in press). Decision speed induces context effects in choice. *Experimental Psychology*.
79. Huizenga, H., Wetzels, R., van Ravenzwaaij, R., & Wagenmakers, E.-J. (in press). Four empirical tests of unconscious thought theory. *Organizational Behavior and Human Decision Processes*.
78. Jepma, M., Wagenmakers, E.-J., & Nieuwenhuis, S. (in press). Temporal expectation and information processing: A model-based analysis. *Cognition*.
77. Dutilh, G., Vandekerckhove, J., Forstmann, B. U., Keuleers, E., Brysbaert, M., & Wagenmakers, E.-J. (in press). Testing theories of post-error slowing. *Attention, Perception, & Psychophysics*.
76. Wagenmakers, E.-J., Kryptos, A.-M., Criss, A. H., & Iverson, G. (in press). On the interpretation of removable interactions: A survey of the field 33 years after Loftus. *Memory & Cognition*.
75. Forstmann, B. U., Tittgemeyer, M., Wagenmakers, E.-J., Derrfuss, J., Imperati, D. & Brown, S. (in press). The speed-accuracy tradeoff in the elderly brain: A structural model-based approach. *Journal of Neuroscience*.
74. van Maanen, L., Brown, S., Eichele, T., Wagenmakers, E.-J., Ho, T., Serences, J., & Forstmann, B. U. (2011). Neural correlates of trial-to-trial fluctuations in response caution. *Journal of Neuroscience*, *31*, 17488–17495.
73. van Ravenzwaaij, D., van der Maas, H. L. J., & Wagenmakers, E.-J. (in press). Optimal decision making in neural inhibition models. *Psychological Review*.
72. van Ravenzwaaij, D., Dutilh, G., & Wagenmakers, E.-J. (in press). A diffusion model decomposition of the effects of alcohol on perceptual decision making. *Psychopharmacology*.
71. Nieuwenhuis, S., Forstmann, B. U., & Wagenmakers, E.-J. (2011). Erroneous analyses of interactions in neuroscience: A problem of significance. *Nature Neuroscience*, *14*, 1105–1107.
70. Lodewyckx, T., Kim, W., Tuerlinckx, F., Kuppens, P., Lee, M. D., & Wagenmakers, E.-J. (2011). A tutorial on Bayes factor estimation with the product space method. *Journal of Mathematical Psychology*, *55*, 331–347.
69. Hawkins, G., Brown, S. D., Steyvers, M., & Wagenmakers, E.-J. (in press) Context effects in multi-alternative decision making: Empirical data and a

Bayesian model. *Cognitive Science*.

68. Forstmann, B. U., Wagenmakers, E.-J., Eichele, T., Brown, S., & Serences, J. T. (2011). Reciprocal relations between cognitive neuroscience and formal cognitive models: Opposites attract? *Trends in Cognitive Sciences*, *15*, 272–279.

67. Wagenmakers, E.-J., van der Maas, H. L. J., & Farrell, S. (in press). Abstract concepts require concrete models: Why cognitive scientists have not yet embraced nonlinearly-coupled, dynamical, self-organized critical, synergistic, scale-free, exquisitely context-sensitive, interaction-dominant, multifractal, interdependent brain-body-niche systems. *TopiCS*.

66. Wetzels, R., Matzke, D., Lee, M. D., Rouder, J. N., Iverson, G. J., & Wagenmakers, E.-J. (2011). Statistical evidence in experimental psychology: An empirical comparison using 855 t tests. *Perspectives on Psychological Science*, *6*, 291–298.

65. van Ravenzwaaij, D., Brown, S., & Wagenmakers, E.-J. (2011). An integrated perspective on the relation between response speed and intelligence. *Cognition*, *119*, 381–393.

64. Dutilh, G., Kryptos, A.-M., & Wagenmakers, E.-J. (2011). Task-related vs. stimulus-specific practice: A diffusion model account. *Experimental Psychology*, *58*, 434–442.

63. Wagenmakers, E.-J., Wetzels, R., Borsboom, D., & van der Maas, H. L. J. (2011). Why psychologists must change the way they analyze their data: The case of psi: Comment on Bem (2011). *Journal of Personality and Social Psychology*, *100*, 426–432. Featured in the *New York Times*, *der Spiegel*, *Science* (2011, vol. 331, pp. 272–273), and many other journals and media throughout the world.

62. Stringer, S., Borsboom, D., & Wagenmakers, E.-J. (2011). Bayesian inference for the information gain model. *Behavior Research Methods*, *43*, 297–309.

61. van Ravenzwaaij, D., Dutilh, G., & Wagenmakers, E.-J. (2011). Cognitive model decomposition of the BART: Assessment and application. *Journal of Mathematical Psychology*, *55*, 94–105.

60. Nilsson, H., Rieskamp, J., & Wagenmakers, E.-J. (2011). Hierarchical Bayesian parameter estimation for cumulative prospect theory. *Journal of Mathematical Psychology*, *55*, 84–93.

59. van Ravenzwaaij, D., van der Maas, H. L. J., & Wagenmakers, E.-J. (2011). Does the name-race Implicit Association Test measure racial prejudice? *Experimental Psychology*, *58*, 271–277.

58. Donkin, C., Brown, S., Heathcote, A., & Wagenmakers, E.-J. (2011). Diffusion versus linear ballistic accumulation: Different models but the same conclusions about psychological processes? *Psychonomic Bulletin & Review*, *18*, 61-69.
57. Jepma, M., te Beek, E. T., Wagenmakers, E.-J., van Gerven, J. M. A., & Nieuwenhuis, S. (2010). The role of the noradrenergic system in the exploration–exploitation trade–off: A pharmacological study. *Frontiers in Human Neuroscience*, *4*:170.
56. Dutilh, G., Wagenmakers, E.-J., Visser, I., & van der Maas, H. L. J. (2011). A phase transition model for the speed–accuracy trade–off in response time experiments. *Cognitive Science*, *35*, 211–250.
55. Heathcote, A., Brown, S., Wagenmakers, E.-J., & Eidels, A. (2010). Distribution–free tests of stochastic dominance for small samples. *Journal of Mathematical Psychology*, *54*, 454–463.
54. Wetzels, R., Lee, M. D., & Wagenmakers, E.-J. (2010). Bayesian inference using WBDev: A tutorial for social scientists. *Behavior Research Methods*, *42*, 884–897.
53. Forstmann, B. U., Anwander, A., Schäfer, A., Neumann, J., Brown, S., Wagenmakers, E.-J., Bogacz, R., & Turner, R. (2010). Cortico–striatal connections predict control over speed and accuracy in perceptual decision making. *Proceedings of the National Academy of Sciences*, *107*, 15916–15920. Featured under “Editors’ Choice” in *Science*, 2010, vol. 329, p. 1443.
52. Iverson, G. J., Wagenmakers, E.-J., & Lee, M. D. (2010). A model averaging approach to replication: The case of  $p_{rep}$ . *Psychological Methods*, *15*, 172–181.
51. Forstmann, B. U., Brown, S., Dutilh, G., Neumann, J., & Wagenmakers, E.-J. (2010). The neural substrate of prior information in perceptual decision making: A model–based analysis. *Frontiers in Human Neuroscience*, *40*:4.
50. Wetzels, R., Grasman, R. P. P. P., & Wagenmakers, E.-J. (2010). An encompassing prior generalization of the Savage–Dickey density ratio. *Computational Statistics & Data Analysis*, *54*, 2094–2102.
49. Iverson, G., Lee, M. D., & Wagenmakers, E.-J. (2010). The random–effects  $p_{rep}$  continues to mispredict the probability of replication. *Psychonomic Bulletin & Review*, *17*, 270–272.
48. Wetzels, R., Vandekerckhove, J., Tuerlinckx, F., & Wagenmakers, E.-J. (2010). Bayesian parameter estimation in the Expectancy Valence model of the Iowa gambling task. *Journal of Mathematical Psychology*, *54*, 14–27.

47. Wagenmakers, E.-J., Lodewyckx, T., Kuriyal, H., & Grasman, R. (2010). Bayesian hypothesis testing for psychologists: A tutorial on the Savage–Dickey method. *Cognitive Psychology*, *60*, 158–189.
46. Bogacz, R., Wagenmakers, E.-J., Forstmann, B. U., & Nieuwenhuis, S. (2010). The neural basis of the speed–accuracy tradeoff. *Trends in Neurosciences*, *33*, 10–16. Highlighted online in *Neuron*, September 2011.
45. Brown, S., Steyvers, M., & Wagenmakers, E.-J. (2009). Observing evidence accumulation during multi–alternative decisions. *Journal of Mathematical Psychology*, *53*, 453–462.
44. Dutilh, G., Vandekerckhove, J., Tuerlinckx, F., & Wagenmakers, E.-J. (2009). A diffusion model decomposition of the practice effect. *Psychonomic Bulletin & Review*, *16*, 1026–1036.
43. Grasman, R. P. P. P., van der Maas, H. L. J., & Wagenmakers, E.-J. (2009). Fitting the cusp catastrophe in R: A cusp–package primer. *Journal of Statistical Software*, *32*, 1–27.
42. Matzke, D. & Wagenmakers, E.-J. (2009). Psychological interpretation of ex-Gaussian and shifted Wald parameters: A diffusion model analysis. *Psychonomic Bulletin & Review*, *16*, 798–817.
41. Wetzels, R., Raaijmakers, J. G. W., Jakab, E., & Wagenmakers, E.-J. (2009). How to quantify support for and against the null hypothesis: A flexible WinBUGS implementation of a default Bayesian  $t$  test. *Psychonomic Bulletin & Review*, *16*, 752–760.
40. Iverson, G. J., Lee, M. D., Zhang, S., & Wagenmakers, E.-J. (2009). *prep*: An agony in five fits. *Journal of Mathematical Psychology*, *53*, 195–202.
39. Iverson, G. J., Lee, M. D., & Wagenmakers, E.-J. (2009). *prep* misestimates the probability of replication. *Psychonomic Bulletin & Review*, *16*, 424–429.
38. Grasman, R. P. P. P., Wagenmakers, E.-J., & van der Maas, H. L. J. (2009). On the mean and variance of response times under the diffusion model with an application to parameter estimation. *Journal of Mathematical Psychology*, *53*, 55–68.
37. Torre, K., & Wagenmakers, E.-J. (2009). Theories and models for  $1/f^\beta$  noise in human movement science. *Human Movement Science*, *28*, 297–318.
36. Steyvers, M., Lee, M. D., & Wagenmakers, E.-J. (2009). A Bayesian analysis of human decision–making on bandit problems. *Journal of Mathematical Psychology*, *53*, 168–179.
35. Jepma, M., Wagenmakers, E.-J., Band, G. P. H., & Nieuwenhuis, S.

- (2009). The effects of accessory stimuli on information processing: Evidence from electrophysiology and a diffusion-model analysis. *Journal of Cognitive Neuroscience*, *21*, 847–864.
34. Wagenmakers, E.-J. (2009). Methodological and empirical developments for the Ratcliff diffusion model of response times and accuracy. *The European Journal of Cognitive Psychology*, *21*, 641–671.
33. Forstmann, B. U., Dutilh, G., Brown, S., Neumann, J., von Cramon, D. Y., Ridderinkhof, K. R., & Wagenmakers, E.-J. (2008). Striatum and pre-SMA facilitate decision-making under time pressure. *Proceedings of the National Academy of Sciences*, *105*, 17538–17542.
32. Ahn, W.-Y., Busemeyer, J. R., Wagenmakers, E.-J., & Stout, J. C. (2008). Comparison of decision learning models using the generalization criterion method. *Cognitive Science*, *32*, 1376–1402.
31. Shiffrin, R. M., Lee, M. D., Kim, W., & Wagenmakers, E.-J. (2008). A survey of model evaluation approaches with a tutorial on hierarchical Bayesian methods. *Cognitive Science*, *32*, 1248–1284.
30. Wagenmakers, E.-J., van der Maas, H. L. J., Dolan, C., & Grasman, R. P. P. (2008). EZ does it! Extensions of the EZ-diffusion model. *Psychonomic Bulletin & Review*, *15*, 1229–1235.
29. Wagenmakers, E.-J., Ratcliff, R., Gomez, P., & McKoon, G. (2008). A diffusion model account of criterion shifts in the lexical decision task. *Journal of Memory and Language*, *58*, 140–159.
28. Wagenmakers, E.-J. (2007). A practical solution to the pervasive problems of  $p$  values. *Psychonomic Bulletin & Review*, *14*, 779–804.
27. van Harreveld, F., Wagenmakers, E.-J., & van der Maas, H. L. J. (2007). The effects of time pressure on chess skill: An investigation into fast and slow processes underlying expert performance. *Psychological Research*, *71*, 591–597.
26. Wagenmakers, E.-J., & Brown, S. (2007). On the linear relation between the mean and the standard deviation of a response time distribution. *Psychological Review*, *114*, 830–841.
25. Wagenmakers, E.-J., van der Maas, H. L. J., & Grasman, R. P. P. (2007). An EZ-diffusion model for response time and accuracy. *Psychonomic Bulletin & Review*, *14*, 3–22.
24. Farrell, S., Wagenmakers, E.-J., & Ratcliff, R. (2006).  $1/f$  noise in human cognition: Is it ubiquitous, and what does it mean? *Psychonomic Bulletin & Review*, *13*, 737–741.

23. Wagenmakers, E.-J., & Raaijmakers, J. G. W. (2006). Long-term priming of neighbors biases the word recognition process: Evidence from a lexical decision task. *Canadian Journal of Experimental Psychology*, *60*, 275–284.
22. Wagenmakers, E.-J., & Grünwald, P. (2006). A Bayesian perspective on hypothesis testing. *Psychological Science*, *17*, 641–642.
21. Wagenmakers, E.-J., Grünwald, P., & Steyvers, M. (2006). Accumulative prediction error and the selection of time series models. *Journal of Mathematical Psychology*, *50*, 149–166.
20. Wagenmakers, E.-J., & Waldorp, L. (Eds.) (2006). Special issue on model selection: Theoretical developments and applications. *Journal of Mathematical Psychology*, *50*, 99–214.
19. Zeelenberg, R., Wagenmakers, E.-J., & Rotteveel, M. (2006). The impact of emotion on perception: Bias or enhanced processing? *Psychological Science*, *17*, 287–291.
18. Wagenmakers, E.-J., & Nieuwenhuis, S. (2005). Damasio’s error: De somatic marker hypothesen onder vuur. *Neuropraxis*, *9*, 165–169. The title translates as: “Damasio’s error: The somatic marker hypothesis under fire”.
17. Wagenmakers, E.-J., Molenaar, P. C. M., Grasman, R. P. P. P., Hartelman, P. A. I., & van der Maas, H. L. J. (2005). Transformation invariant stochastic catastrophe theory. *Physica D*, *211*, 263–276.
16. Wagenmakers, E.-J., Grasman, R., & Molenaar, P. C. M. (2005). On the relation between the mean and the variance of a diffusion model response time distribution. *Journal of Mathematical Psychology*, *49*, 195–204.
15. Lee, M. D., & Wagenmakers, E.-J. (2005). Bayesian statistical inference in psychology: Comment on Trafimow (2003). *Psychological Review*, *112*, 662–668.
14. Pecher, D., Zeelenberg, R., & Wagenmakers, E.-J. (2005). Enemies and friends in the neighborhood: Orthographic similarity effects in a semantic classification task. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *31*, 121–128.
13. van der Maas, H. L. J., & Wagenmakers, E.-J. (2005). The Amsterdam Chess Test: A psychometric analysis of chess expertise. *The American Journal of Psychology*, *118*, 29–60.
12. Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2005). Human cognition and a pile of sand: A discussion on serial correlations and self-organized criticality. *Journal of Experimental Psychology: General*, *134*, 108–116.

11. Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2004). Estimation and interpretation of  $1/f$  noise in human cognition. *Psychonomic Bulletin & Review*, *11*, 579-615.
10. Wagenmakers, E.-J., Zeelenberg, R., Steyvers, M., Shiffrin, R. M., & Raaijmakers, J. G. W. (2004). Nonword repetition in lexical decision: Support for two opposing processes. *The Quarterly Journal of Experimental Psychology*, *57A*, 1191-1210.
9. Wagenmakers, E.-J., & Farrell, S. (2004). AIC model selection using Akaike weights. *Psychonomic Bulletin & Review*, *11*, 192-196.
8. Wagenmakers, E.-J., Ratcliff, R., Gomez, P., & Iverson, G. J. (2004). Assessing model mimicry using the parametric bootstrap. *Journal of Mathematical Psychology*, *48*, 28-50.
7. Wagenmakers, E.-J., Steyvers, M., Raaijmakers, J. G. W., Shiffrin, R. M., van Rijn, H., & Zeelenberg, R. (2004). A model for evidence accumulation in the lexical decision task. *Cognitive Psychology*, *48*, 332-367.
6. Wagenmakers, E.-J., Farrell, S., & Ratcliff, R. (2004). Naive nonparametric bootstrap model weights are biased. *Biometrics*, *60*, 281-283.
5. Zeelenberg, R., Wagenmakers, E.-J., & Shiffrin, R. M. (2004). Nonword repetition priming in lexical decision reverses as a function of study task and speed stress. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *30*, 270-277.
4. Steyvers, M., Tenenbaum, J. B., Wagenmakers, E.-J., & Blum, B. (2003). Inferring causal networks from observations and interventions. *Cognitive Science*, *27*, 453-489.
3. Zeelenberg, R., Wagenmakers, E.-J., & Raaijmakers, J. G. W. (2002). Priming in implicit memory tasks: Prior study causes enhanced discriminability, not only bias. *Journal of Experimental Psychology: General*, *131*, 38-47.
2. Wagenmakers, E.-J., Zeelenberg, R., & Raaijmakers, J. G. W. (2000). Testing the counter model for perceptual identification: Effects of repetition priming and word frequency. *Psychonomic Bulletin & Review*, *7*, 662-667.
1. Wagenmakers, E.-J., Zeelenberg, R., Schooler, L. J., & Raaijmakers, J. G. W. (2000). A criterion-shift model for enhanced discriminability in perceptual identification: A note on the counter model. *Psychonomic Bulletin & Review*, *7*, 718-726.

- BOOK CHAPTERS
3. Wagenmakers, E.-J., Lee, M. D., Lodewyckx, T., & Iverson, G. (2008). Bayesian versus frequentist inference. In H. Hoijtink, I. Klugkist, & P. A.

Boelen (Eds.), *Bayesian Evaluation of Informative Hypotheses*, pp. 181–207. Springer: New York.

2. Wagenmakers, E.-J., van der Maas, H. L. J., & Molenaar, P. C. M. (2005). Catastrophe theory. In B. S. Everitt & D. C. Howel (Eds.), *Encyclopedia of Statistics in Behavioral Science, Vol. 1*, pp. 234–239. Chichester: Wiley.

1. Wagenmakers, E.-J., Zeelenberg, R., Huber, D., Raaijmakers, J. G. W., Shiffrin, R. M., & Schooler, L. J. (2003). REMI and ROUSE: Quantitative models for long-term and short-term priming in perceptual identification. In J. Bowers and C. Marsolek (Eds.), *Rethinking implicit memory*, pp. 105–123. Oxford University Press.

MISCELLANEOUS  
SCIENTIFIC  
WRITINGS

11. Borsboom, D., Wagenmakers, E.-J., & Romeijn, J.-W. (in press). Mechanistic curiosity will not kill the Bayesian cat. Comment on “Bayesian Fundamentalism or Enlightenment? On the explanatory status and theoretical contributions of Bayesian models of cognition”. *Behavioral and Brain Sciences*.

10. Wagenmakers, E.-J. (2011). Kleren voor de keizer. *De Psycholoog*, 46, 21–22. Review of “Informative Hypotheses: How to Move Beyond Classical Null Hypothesis Testing”, by Rens van de Schoot.

9. Wetzels, R., & Wagenmakers, E.-J. (2010). Exemplary introduction to Bayesian statistical inference. Book review of “Bayesian modeling using WinBUGS” (Wiley, 1st ed., 2009). *Journal of Mathematical Psychology*, 54, 466–469.

8. Wagenmakers, E.-J. (2009). Teaching graduate students how to write clearly. *APS Observer*, 22.

7. Wagenmakers, E.-J. (2008). Guidelines for tutorial articles in *Journal of Mathematical Psychology*. Published on the JMP website, <http://www.mathpsych.org/journal.html>.

6. Wagenmakers, E.-J. (2009). How do individuals reason in the Wason card selection task? Comment on “Bayesian rationality: The probabilistic approach to human reasoning” (Oxford University Press, 2007). *Behavioral and Brain Sciences*, 32, 104.

5. Wagenmakers, E.-J., & van der Maas, H. L. J. (2008). Book review of “Clocking the mind: Mental chronometry and individual differences” (Elsevier, 2006). *Intelligence*, 36, 493–494.

4. Grasman, R. P. P. P., & Wagenmakers, E.-J. (2006). Rescue the Gardiner book! Book review of “Handbook of stochastic methods: For physics, chemistry, and the natural sciences” (Springer-Verlag, 3rd ed., 2004). *Journal of Mathematical Psychology*, 50, 431–435.

3. Wagenmakers, E.-J. (2003). How many parameters does it take to fit an elephant? Book review of “Model selection and multimodel inference: A practical information–theoretic approach” (Springer–Verlag, 2nd ed., 2002). *Journal of Mathematical Psychology*, 47, 580–586.

2. Wagenmakers, E.-J. (2001). Book review of “The Oxford handbook of memory”, edited by E. Tulving and F. Craik (Oxford University Press 2000), *Acta Psychologica*, 106, 329–331.

1. Steyvers, M., Wagenmakers, E.-J., Shiffrin, R. M., Zeelenberg, R., & Raaijmakers, J. G. W. (2001). A Bayesian model for the time–course of lexical processing. In E. M. Altmann and A. Cleeremans (Eds.), *Proceedings of the 2001 Fourth International Conference on Cognitive Modeling* (pp. 205–209). Mahwah, NJ: Erlbaum.

INVITED  
PRESENTATIONS

36. Wagenmakers, E.-J. (2011). Worth no more than a bare mention? An objective Bayesian analysis of the evidential impact of the p–value. Invited presentation for the lecture series on “*Null Hypothesis Testing in the Social Sciences*” organized by the *Social Sciences Division of the Netherlands Statistical Society*, Amsterdam, The Netherlands, December 2011.

35. Wagenmakers, E.-J. (2011). Bayesian sequential hypothesis testing of strictly confirmatory research designs. Invited presentation for the *Psychology Department at Essex University*, Essex, UK, December 2011.

34. Wagenmakers, E.-J. (2011). Unexpected participant heterogeneity in the Iowa Gambling Task. Invited presentation for the workshop “*Structural Modeling of Heterogeneity in Discrete Choice Under Risk and Uncertainty*” at the *Center for the Economic Analysis of Risk (CEAR)* at Georgia State University, Atlanta, USA, December 2011. Work done by Helen Steingröver.

33. Wagenmakers, E.-J. (2011). The hidden message behind extrasensory perception. Invited presentation for the *Psychology Department at the Ludwig–Maximilian Universität*, Munich, Germany, June 2011.

32. Wagenmakers, E.-J. (2011). Why Bayesian statistics is right, and everything else is wrong. Invited presentation for the *Psychology Department at Uppsala University*, Uppsala, Sweden, May 2011.

31. Wagenmakers, E.-J. (2011). A Bayesian parametric approach for the estimation of stop–signal reaction time distributions. Invited presentation for the *Center for Integrative and Cognitive Neuroscience (CICN)* at Vanderbilt University, Nashville, USA, April 2011. Work done by Dora Matzke.

30. Wagenmakers, E.-J. (2011). Validity and fit in ACT–R. Invited presentation for the ACT–R Spring School, Groningen, the Netherlands, April 2011.

29. Wagenmakers, E.-J. (2011). Default Bayesian t-tests. Invited presentation for the workshop “*All models are wrong...*”, Groningen, the Netherlands, March 2011.
28. Wagenmakers, E.-J. (2010). Bayesian model selection in sensometrics. Plenary presentation for the *10th Conference on Sensometrics*, Rotterdam, the Netherlands, July 2010.
27. Wagenmakers, E.-J. (2010). Bayesian parameter estimation and model selection. Half-day workshop for the *ESCoP Summer School in Computational and Mathematical Modeling of Cognition*, Mallnitz, Austria, July 2010.
26. Wagenmakers, E.-J., & Wetzels, R. (2010). A pessimistic perspective on psychological science? Invited presentation for the *Psychology Department at the University of Heidelberg*, Heidelberg, Germany, May 2010.
25. Wagenmakers, E.-J. (2010). Bayesian graphical modeling using WinBUGS. Half-day workshop at the *University of Western Australia*, Perth, Australia, January 2010.
24. Wagenmakers, E.-J. (2009). What is Bayesian inference? Why be Bayesian? Invited presentation for the *Fakultät für Linguistik und Literaturwissenschaft at the University of Bielefeld*, Bielefeld, Germany, December 2009.
23. Wagenmakers, E.-J. (2009). Bayesian hypothesis testing without tears. Invited Heymans colloquium for the *Psychology Department at the University of Groningen*, Groningen, the Netherlands, November 2009.
22. Wagenmakers, E.-J. (2008). Doing what Id wants: The Savage–Dickey approach to Bayesian hypothesis testing. Invited presentation for the *18th IOPS Winter Conference*, Oegstgeest, the Netherlands, December 2008.
21. Wagenmakers, E.-J. (2008). Doing what Id wants: Bayesian hypothesis testing. Invited presentation for the *Psychology Unit at the University of Tübingen*, Tübingen, Germany, October 2008.
20. Wagenmakers, E.-J. (2008). Decision making under time pressure: A study combining mathematical modeling and functional neuroimaging. Invited joint presentation together with Birte Forstmann for the *Institute for Mathematical Behavioral Sciences (IMBS)* at the University of California at Irvine, USA, April 2008.
19. Wagenmakers, E.-J. (2007). Pervasive problems of  $p$ -values. Invited presentation for the *Cognitive Psychology Unit at the Free University*, Amsterdam, The Netherlands, December 2007.
18. Wagenmakers, E.-J. (2007). A diffusion model account of the worst performance rule, the law of practice, and the accessory stimulus effect. Invited

presentation for the *Max Planck Institute for Human Development*, Berlin, Germany, November 2007.

17. Wagenmakers, E.-J. (2007). Current developments in the modeling of response times and accuracy using the Ratcliff diffusion model. Key note presentation for the *15th Conference of the European Society for Cognitive Psychology (ESCoP)*, Marseille, France, August 2007.

16. Wagenmakers, E.-J. (2007). Current developments in the modeling of response times and accuracy using the Ratcliff diffusion model. Key note presentation for the *40th annual meeting of the Society for Mathematical Psychology*, Costa Mesa, USA, July 2007.

15. Wagenmakers, E.-J., Lee, M. D., & Iverson, G. (2007). Bayesian versus frequentist inference. Invited presentation for the workshop “*Null, Alternative and Informative Hypotheses*”, Utrecht, The Netherlands, July 2007.

14. Wagenmakers, E.-J. (2007). Pervasive problems of  $p$ -values. Invited presentation for the *Psychology Department at the Erasmus University*, Rotterdam, The Netherlands, June 2007.

13. Wagenmakers, E.-J. (2007). Current developments in the modeling of response times and accuracy using the Ratcliff diffusion model. Invited presentation for the *Institute for Mathematical Behavioral Sciences (IMBS)* at the University of California at Irvine, USA, April 2007.

12. Wagenmakers, E.-J. (2007). Pervasive problems of  $p$ -values. Invited presentation for the *Psychology Department at the University of Newcastle*, Newcastle, Australia, February 2007.

11. Wagenmakers, E.-J. (2006). Practical methods for model selection: Cross-validation, bootstrap, and prequential approaches. Invited presentation for the Air Force Research Laboratory workshop “*Model Comparison and Model Validation*”, Syracuse, USA, September 2006.

10. Wagenmakers, E.-J., van der Maas, H., & Grasman, R. (2006). An EZ-diffusion model for response time and response accuracy: Extensions. Invited presentation for the workshop “*Diffusion Models in Psychology*”, Freiburg, Germany, February 2006.

9. Wagenmakers, E.-J. (2006). A statistical perspective on the peculiar properties and pervasive problems of  $p$ -values. Invited presentation for the *Institute for Mathematical Behavioral Sciences (IMBS)* at the University of California at Irvine, USA, February 2006.

8. Wagenmakers, E.-J. (2005). Peculiar problems with  $p$ -values. Invited presentation for the *Psychology Department at the University of Bristol*, Bristol, UK, October 2005.

7. Wagenmakers, E.-J. (2005). Consequences of the likelihood principle for the statistical analysis of psychological experiments. Invited presentation for the 2nd *Adelaide Mental Life* conference, Adelaide, Australia, June 2005.
6. Wagenmakers, E.-J. (2005). Peculiar problems with  $p$ -values. Invited presentation for the *Psychology Department at CMU* and the *Psychology Department at Leuven*, both April 2005.
5. Wagenmakers, E.-J. (2003). Priming in visual word recognition: Empirical studies and computational models. Key note presentation for the *bi-annual NVP conference*, Egmond, the Netherlands, December 2003.
4. Wagenmakers, E.-J., van der Maas, H., Molenaar, P., & Hartelman, P. (2003). Generalized stochastic catastrophe theory: Achieving invariance under transformation of the measurement scale. Invited presentation for the *EPOS annual meeting*, Amsterdam, the Netherlands, November 2003.
3. Wagenmakers, E.-J. (2003). Bias and enhanced discriminability in perceptual identification. Invited presentation for the *Psychology Department at UCLA*, Los Angeles, USA, March 2003.
2. Wagenmakers, E.-J. (2003). Models of information integration. Invited presentation for the *Psychology Department at Georgia Tech*, Atlanta, USA, January 2003.
1. Wagenmakers, E.-J. (2002). Model mimicry, information integration, and the bootstrap. Invited presentation for the *Quantitative Psychology weekly meeting at Ohio State University*, Columbus, USA, October 2002.

COMMITTEE  
WORK

- *2011*. Member of the committee for the Best Thesis Award from the Dutch Psychonomic Society (NVP).
- *2009–current*. Member of the executive board of the *Society for Mathematical Psychology*.
- *2007–current*. Member of the Revesz committee for the Psychology Department at the University of Amsterdam. The Revesz committee is responsible for the logistics surrounding the Revesz honorary professorships.
- *2006–current*. Member of the committee for the Research Master in Psychology at the University of Amsterdam.
- *2005*. Member of the NSF (National Science Foundation) panel on Human and Social Dynamics (Washington D.C., May 2005).
- *1997*. Co-founded BOPSY, a committee of interest for PhD-students at the Psychology Department of the University of Amsterdam. Chairman of BOPSY from 1997–1998.

- *2006, 2007, 2008, 2009, 2010, and 2011*. Scientific Writing and Presenting (master course). In 2009, also taught this course at the University of Basel, Switzerland. In 2011, runner-up for the award of “best teacher in the UvA Psychology Research Master” (out of 24 nominees).
- *2011*. One-day workshop “Positive Journal Interactions” for EPOS PhD students.
- *2011*. Experimental Design (bachelor course).
- *2011*. Guest lecture on Bayesian inference for the master course “Learning to Analyze Neural Data”.
- *2009, 2010, and 2011*. A Practical Course in Bayesian Graphical Modeling (master course). In 2010, also taught this course as a one-week block seminar at the CITEC department of the University of Bielefeld, Germany.
- *1998, 1999, 2000, 2003, 2004, 2005, 2006, 2009, and 2011*. Research Practice: Applied (“Onderzoeksgroepen”, bachelor course).
- *2011*. Invited lecture for the HOVO course “Gebruik en Misbruik van de Statistiek” (use and misuse of statistics) at Leiden University.
- *2008, 2009, and 2011*. Module “Knowledge” (part of a third-year course, co-taught with Denny Borsboom or Rogier Kievit).
- *2009*. Mathematical Psychology (master course, co-taught with other faculty).
- *2009*. One-day workshop “Bayesian Modeling for Cognitive Science”, co-taught with Michael Lee and Ruud Wetzels.
- *2009*. Two-day lecture series on Bayesian Modeling for the Socrates–Erasmus Intensive Programme on “Formal Models and Quantitative Methods for Psychology” (Blaubeuren, Germany).
- *2008 and 2009*. Module “Modeling” (part of a third-year course, co-taught with Han van der Maas and Ruud Wetzels).
- *2008*. Two-day lecture series on Model Selection for the Socrates–Erasmus Intensive Programme on “Mathematical and Computational Models in the Psychological Sciences” (Padova, Italy).
- *2007 and 2008*. Scientific Writing (EPOS course for PhD students).
- *2006, 2007, and 2008*. Current Issues in Cognitive Science (master course).
- *2007*. Statistical Inference (bachelor course, co-taught with Gunter Maris).
- *2007*. Two-day lecture series on Reinforcement Learning for the Socrates–Erasmus Intensive Programme on “Mathematical and Computational Models in the Psychological Sciences” (Bremen, Germany).
- *2006 and 2007*. Computational Psychology (master course).
- *2005*. JavaScript Programming (master course).
- *2004 and 2005*. Introduction to Cognitive Science / Memory: A Cognitive Science Approach (master course).

- *2004 and 2005.* Model Construction in Psychology (bachelor course).
- *2000.* Research Practice: Theory (“Basisdeel OnderzoeksPracticum”, bachelor course).
- *1998 and 1999.* Experience with Psychonomic Experiments (“Experimentatie in de Psychonomie”, bachelor course).
- *1997.* Together with Durk Talsma, designed the HOVO course “Hersenen, Mentale Processen en Gedrag” (brain, mental processes, and behavior).
- *1995 and 1996.* Programming Experiments (bachelor course).

LAB MEMBERS  
(PAST\* AND  
PRESENT)

- *Postdocs:* Leendert van Maanen, Martijn Mulder.
- *PhD-students:* Helen Steingröver, Dora Matzke (with Conor Dolan), Ruud Wetzels, Don van Ravenzwaaij, Gilles Dutilh\*.
- *Research-assistants:* Anja Somnavilla, Helen Steingröver\*, Joram van Driel\*, Angelos Kryptos\*, Sven Stringer\*, Dora Matzke\*, Tom Lodewyckx\*, Don van Ravenzwaaij\*, Ruud Wetzels\*, Gilles Dutilh\*.
- *International students:* Akhil Hens\*, Darja Tutschkow\*, Avinash Barnwal\*, Annika Boldt\*, Oliver Dyjas\*, Himanshu Kuriyal\*, Esther Stroe-Kunold\*, Tom Lodewyckx\*.

THESIS  
OPPOSITION

Member of the thesis committee for: Annemarie Zand Scholten (University of Amsterdam), Esther Stroe-Kunold (University of Heidelberg), Chistopher Donkin (University of Newcastle), Joachim Vandekerckhove (University of Leuven), Jiaxiang Zhang (University of Bristol), Kjerstin Torre (University of Montpellier), Lourens Waldorp (University of Amsterdam), and Raoul Grasman (University of Amsterdam).