

Curriculum Vitae **Ralf HJM Kurvers**

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Education & Research training

- 2019 - Present External **Principal Investigator** at the Excellence Cluster, Science of Intelligence, Technical University, Berlin, Germany
- 2019 - Present **Senior Research scientist**, Centre for Adaptive Rationality, Max Planck Institute for Human Development, Berlin, Germany
- 2015 - 2018 **Research scientist**, Centre for Adaptive Rationality, Max Planck Institute for Human Development, Berlin, Germany
- 2011 - 2014 Rubicon **Postdoctoral Fellowship**, Dept. Fish Biology and Ecology, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin, Germany
- 2007 - 2011 **PhD** Resource Ecology Group, Wageningen University, the Netherlands. Title: *Personality in a group living species: Social information use, collective movements and social decision-making*
- 2009 Visiting Scientist, Dept. of Biological Sciences, University of Quebec in Montreal, Canada (1 month)
- 2006 - 2007 Research Associate, Behavioural Ecology of Sexual Signals Group, Max Planck Institute for Ornithology, Radolfzell, Germany
- 2005 - 2006 Postgraduate study Philosophy, Radboud University, Nijmegen, the Netherlands
- 2003 - 2005 **MSc** Ecology and Management, Wageningen University, the Netherlands
- 1999 - 2003 **BSc** Forest and Nature Conservation, Wageningen University, the Netherlands

Ten key publications (see below for complete list)

[Google Scholar profile](#)

1. Tump AN, Pleskac T & **Kurvers RHJM** (2020). Wise or mad crowds? The cognitive mechanisms underlying information cascades. **Science Advances** 6: eabb0266.
2. **Kurvers RHJM**, Herzog SM, Hertwig R, Krause J, Moussaid M, Argenziano G, Zalaudek I, Carney PA & Wolf M (2019). How to detect high performing individuals and groups: decision similarity predicts accuracy. **Science Advances** 5: eaaw9011.
3. Snijders L, **Kurvers RHJM**, Krause S, Ramnarine IW & Krause J (2018) Individual and population level drivers of consistent foraging success across environments. **Nature Ecology and Evolution** 2: 610–1618.

4. **Kurvers RHJM**, Krause S, Viblanc PE, Herbert-Read JE, Zaslansky P, Domenici P, Marras S, Steffensen JF, Wilson ADM, Couillaud P & Krause J (2017) The Evolution of Lateralization in Group Hunting Sailfish. **Current Biology** 27: 521-526.
5. Krause J, Herbert-Read JE, Seebacher F, Domenici P, Wilson ADM, Marras S, Svendsen MBS, Strömbom D, Steffensen JF, Krause S, Viblanc PE, Couillaud P, Bach P, Sabarros PS, Zaslansky P & **Kurvers RHJM** (2017) Injury-mediated decrease in locomotor performance increases predation risk in schooling fish. **Philosophical Transactions of the Royal Society B** 372: 1727.
6. **Kurvers RHJM**, Herzog SM, Hertwig R, Krause J, Carney PA, Bogart A, Argenziano G, Zalaudek I & Wolf M (2016) Boosting medical diagnostics by pooling independent judgments. **Proceedings of the National Academy of Sciences** 113: 8777-8782.
7. **Kurvers RHJM***, Krause J*, Croft DP, Wilson ADM & Wolf M (2014) The evolutionary and ecological consequences of animal social networks. **Trends in Ecology and Evolution** 29: 326-335. * Equal contributions
8. **Kurvers RHJM**, Adamczyk VMAP, van Wieren SE & Prins HHT (2011) The effect of boldness on decision making in barnacle geese is group-size-dependent. **Proceedings of the Royal Society B** 278: 2018-2024.
9. **Kurvers RHJM**, van Oers K, Nolet BA, Jonker RM, van Wieren SE, Prins HHT & Ydenberg RC (2010) Personality predicts the use of social information. **Ecology Letters** 13: 829-837.
10. **Kurvers RHJM**, Prins HHT, van Wieren SE, van Oers K, Nolet BA & Ydenberg RC (2010) The effect of personality on social foraging: shy barnacle geese scrounge more. **Proceedings of the Royal Society B** 277: 601-608.

Grants (Total third-party funding obtained: **€1.420.703**)

- 2020-2023: **Excellence Cluster Science of Intelligence Research Grant**, TU/MPIB, Berlin (**€657.097**). *Title: Weighing personal and social information in cooperative problem solving.*
- 2020-2023: **Excellence Cluster Science of Intelligence Research Grant**, TU/MPIB, Berlin (**€313.476**). *Title: The Collective Dynamics Underlying Personal and Social Information Integration.*
- 2020: **Nesta Collective Intelligence Grant**. *Title: CROME: Harnessing the Wisdom of Crowds in Medical Diagnostics.* (**€35.000**).
- 2016-2019: **Temporary Position for Principal Investigator Grant**, German Research Foundation (DFG) (**€292.050**). *Title: The Role of Individual Differences in Collective Behaviour.* Project overview: [link](#). Max Planck Institute for Human Development, Berlin, GER.
- 2011-2014: **Rubicon Postdoctoral Fellowship**. Netherlands Organisation for Scientific Research (NWO) (**€118.080**). *Title: Who leads, who follows? Linking personality to collective decision making.* Project overview: [link](#). Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin, GER.
- 2006: Thomas More Foundation. **Scholarship for postgraduate study philosophy** (**€5.000**). Radboud University, Nijmegen, NL.

Submitted:

- Individual, Collective and Environmental Drivers of Human Foraging Dynamics in the Wild. Submitted to DFG.

Awards

Second Prize PE&RC Best PhD **Publication Award**, 2011 (€ 500)

Second Prize NERN **Publication Award**. Award for the best scientific paper in ecology and evolution published by a PhD candidate, 2011 (€ 500)

Second Prize **Centre for Ecosystems Award**. Wageningen University, 2011 (€ 100)

Teaching and supervision

Lecturing

Preparing and running practicals and lectures for Bachelor students Biology at Bielefeld University, GER, with approximately 250 students per year. (2012-2019)

Preparing and running practicals and lectures for Bachelor students Biology and Animal Sciences at Wageningen University, NL, with approximately 120 students per year. (2012-2017)

Lecturer Master courses Ecological Methods, Behavioural Ecology, and Animal Ecology, Wageningen University, NL. (2010-2011)

Guest lectures

Current topics in Behavioral Ecology course. Behavioral Ecology Seminar. LMU Munich (2020).

Workshops

Workshop, Summer Institute on Bounded Rationality, MPI for Human Development, Berlin, GER.

Title: The heuristics of group decision making. (2016-2019)

Workshop, Cognitive Science teaching week for Berlin Mind & Brain Doctoral Program, Humboldt University, Berlin, GER. *Title: Clever cognition in a social world.* (2017)

Post-Doctoral supervision

- Dr. Alan Tump (2020-2023). Cognitive modelling of human collective decision making.
- Dr. Bertrand Jayles (2018-2020). Social influence in human collective decision making.

Doctoral supervision:

- Alan Tump. PhD Thesis title: *How social learning strategies boost or undermine decision making in groups.* Defended at Free University, Berlin, GER, July 2020
- Romain Clément. PhD Thesis title: *Collective cognition and decision-making in humans and fish.* Defended at Humboldt University, Berlin, GER, Sept 2016.

Master thesis supervision (n=10)

- David Wollny-Huttarsch. First come, first serve: Early social influence exerts higher influence on individuals' judgements (2020)
- Jasmin Dragestein. Light pollution and social behaviour in guppies (2016)
- Kees Straates. Social information use by wild barnacle geese in a changing habitat (2011)
- Chantal Althuisen. Stability of social networks in Barnacle geese (2011)
- Jan Baar. The role of personality on collective movements in barnacle geese (2011)
- Coretta Jongeling. The effect of pair-formation and kinship on networks in barnacle geese (2010)
- Vena Adamczyk. A network analysis on the social fine structure in barnacle geese (2010)
- Simone van Santen de Hoog. Personality of group members affect tactic use and feeding success in a producer-scrounger game (2010)

- Marlot Jonker. Foraging and public information in common pipistrelle bats (2009)
- Babette Eijkelenkamp. Personality traits affect movement order of barnacle geese (2008)

Bachelor thesis supervision (n=3)

- Antonio Amadio. Collective decision making in skin cancer diagnostics (2017)
- Fumihito Ogawa. Collective decision making in human groups (2014)
- Idger Zwiens. Do exploration differences predict foraging behaviour in wild barnacle geese? (2009)

Internship supervision (n=10)

- Alexander Schakowski. Bringing time into the Wisdom of Crowds (2020)
- Marta Balode. Advice taking in gambles (2020)
- David Wollny-Huttarsch. The role of timing in social influence (2020)
- Julia Broden. Over- and underestimation in humans (2019)
- Sarah Neuhoff. Cognitive foundation over underestimation (2019)
- Louisa Schilling. Group decision making in skin cancer diagnostics (2018)
- Florian Ermark. Collective intelligence in medical decision making (2017)
- Sergio Garcia Martin. Information diffusion in wild guppies (2017)
- Sidsel Bouet. Social information use in the Trinidadian guppy (2016)
- Coretta Jongeling. The role of genetics in social networks in barnacle geese (2011)

Academic Service

Manuscripts reviewed for (~120 unique manuscripts)

Nature Communications | Current Biology | Trends in Ecology and Evolution | Ecology Letters | New England Journal of Medicine | The British Medical Journal | Journal of Neurology, Neurosurgery & Psychiatry | Philosophical Transactions of the Royal Society B | Proceedings of the Royal Society B | Journal of the Royal Society Interface | Evolution and Human Behaviour | Journal of Experimental Social Psychology | Frontiers in Zoology | Current Opinion in Behavioral Sciences | The Quarterly Review of Biology | Journal of Animal Ecology | Biology Letters | Journal of Evolutionary Biology | Animal Behaviour* | Behavioral Ecology | Behavioral Ecology and Sociobiology | Oikos | Journal of Theoretical Biology | Journal of Fish Biology | Scientific Reports | Journal of Experimental Biology | Wildlife Biology | Journal of Mammalogy | Environmental Conservation | Science of the Total Environment | Environmental Pollution | Axios | Ethology | Ethology, Ecology & Evolution | Behaviour | Computers in Human Behavior | Journal of Intelligence | Journal of Behavioral Decision Making | Evolutionary Psychology | Current Zoology | Journal of Field Ornithology | Journal of Applied Ichthyology | Marine Environmental Research | PLoS ONE | BMJ Open | BMC Medical Informatics and Decision Making | Medical Decision Making | Journal of Patient Experience | Royal Society Open Science | PeerJ

* **Certificate of Excellence in Reviewing**. Animal Behaviour (2014)

Book (chapters) reviewed for

Animal Social Networks (ed. by Krause, James, Franks & Croft).

The Social Life of Greylag Geese (ed. by Scheiber, Weiss, Hemetsberger, Kotrschal).

Grants reviewed for

United States – Israel Binational Science Foundation (BSF)

ASAB Research Grants

Presentations

Organised seminars / conferences

- Wageningen Evolution and Ecology Seminars (WEES). Organising committee (2009-2011)
- 5th European Meeting of PhD Students in Evolutionary Biology. Organising committee (2009)
- 16th Benelux Congress of Zoology. Convener of session on Animal Personality (2009)

Workshops and Invited Talks (selection, last 5 years)

Invited talk, Cognition, Values, Behaviour (CVBE) group, Ludwig-Maximilians-University, Munich, GER. *Title: Wisdom of crowds and social influence.* (2020)

Workshop, Cognitive Science teaching week for Berlin Mind & Brain Doctoral Program, Humboldt University, Berlin, GER. *Title: Clever cognition in a social world.* (2017)

Workshop, Summer Institute on Bounded Rationality, MPI for Human Development, Berlin, GER. *Title: The heuristics of group decision making.* (2016, 2017, 2018)

Invited talk, Department of Collective Behaviour, University of Konstanz. *Title: The tricks up a sailfish's sleeve to catch its schooling prey.* (2017)

Invited talk, Department of Psychology, University of Konstanz. *Title: Boosting medical diagnostics by combining independent decisions.* (2017)

Invited talk, Behavioural Ecology Group, Wageningen University. *Title: How sailfish catch their schooling prey.* (2017)

Presentations at conferences

- Behaviour 2017. Estoril, PTG (2017)
- 50th Conference of the German Society for Psychology, Leipzig, GER (2016)
- Behaviour 2015. Cairns, Australia (2015)
- 15th International Behavioral Ecology Congress, New York, USA (2014)
- Netherlands Society for Behavioural Biology, Soesterberg, NL (2013)
- Behaviour 2013. Newcastle, UK (2013)
- 6th European Conference on Behavioural Biology, Essen, GER (2012)
- 13th International Behavioral Ecology Congress, Perth, Australia (2010)
- Max Planck Institute for Ornithology, Radolfzell, GER, (2010)
- Netherlands Annual Ecology Meeting, Lunteren, NL (2009 & 2010)
- University of Quebec in Montreal, Dept of Biological Science, Montreal, CAN (2009)
- Simon Fraser University, Behavioural Ecology Research Group, Vancouver, CAN (2009)
- 16th Benelux Congress of Zoology, Wageningen, NL (2009)
- 15th European Meeting of PhD Students in Evolutionary Biology, Schoorl, NL (2009)
- 11th meeting of the Goose Specialist Group, Leh, India (2008)
- Netherlands Institute of Ecology, dept of Animal Ecology, Heteren, NL (2008)
- 6th Conference of the European Ornithological Union, Vienna, Austria (2007)
- Edward Grey Institute Student Conference, Oxford, UK (2007)
- Max Planck Institute for Ornithology, Radolfzell, GER (2007)

Media outreach

News articles (each news article refers to a unique scientific publication)

- Süddeutsche Zeitung *Alte Freunde*. (2020) [link](#)
Science Daily *Best of the best: Who makes the most accurate decisions in expert groups?* (2019) [link](#)
Science Daily *Male Trinidad guppies find food thanks to females*. (2019) [link](#)
The Atlantic *Parasites Can Mind-Control Animals Without Infecting Them*. (2018) [link](#)
Forbes *Light Pollution Causes Risky Behavior in Fish*. (2018) [link](#)
Nature Research *Being consistent in a dynamic environment: a guppy story*. (2018) [link](#)
Science Daily *Together we are unpredictable: Why sailfish hunt more successfully as a group*. (2017) [link](#)
News Medical *Study sheds new light on how medical diagnostics can be enhanced by obtaining several opinions*. (2016) [link](#)
Phys.Org *Sailfish found to use group hunting technique to capture more sardines*. (2016) [link](#)
Medical Press *Collective intelligence helps to improve breast cancer diagnosis*. (2015) [link](#)
BBC News *The one thing everyone knows about swordfish is wrong*. (2015) [link](#)
IDW *Combining Dermatologists' Opinions Improves Diagnostic Accuracy in Skin Cancer*. (2015) [link](#)
Nature *The soft power of sailfish bills*. (2014) [link](#)
De Volkskrant *Crowd-management*. (2013) [link](#)
Neuroecology.wordpress *Jumping off of bridges*. (2013) [link](#)
New York Times *Even Among Animals: Leaders, Followers and Schmoozers*. (2010) [link](#)
Science Daily *Personality of geese determines their foraging behaviour*. (2010) [link](#)
The Telegraph *Bossiness is the key to leadership, geese study finds*. (2010) [link](#)

Radio broadcasts

- Detektor.fm *Verbessern viele Köche den Brei?* (2016) (In German) [link](#)
Vroege Vogels *De persoonlijkheid van de gans?* (2010) (In Dutch) [link](#)
De Kennis van NU *De psyche van de gans*. (2009) (In Dutch) [link](#)

Public outreach

- Berlin Science Week. Public presentation on collective intelligence for general audience, Berlin (2020)
Long Night of Science. Demonstrations of collective intelligence for general audience, Berlin (2012, 2019)
Soapbox Science Event to promote the role and visibility of female scientists, Berlin. (2017)
Workshop on Swarm Intelligence in high school to promote science in classrooms. Carme College, de Thij, Oldenzaal, NL. (2017)
Workshop on Swarm Intelligence at the FEZ Youth Centre and primary school in Berlin to promote science among young children (5-8 yrs. old). (2016)
Presentations on Swarm Intelligence at the National History Museum in Berlin to communicate science to the general audience. (2012, 2013)
Column writer for Dutch Scientific Calendar to communicate scientific findings to the general audience. (2011, 2012)

Main Collaborators

- Prof. **Jens Krause**, Dr. **Max Wolf** & Dr. **Franz Hölker** (Leibniz Institute of Freshwater Ecology and Inland Fisheries, Berlin, Germany).
- Prof. **Ralph Hertwig** & Dr. **Stefan Herzog** (MPI for Human Development, Berlin, Germany).
- Prof. **Patricia Carney** (Oregon Health and Science University, Oregon, USA).
- Prof. **Paolo Domenici** (IAMC-CNR, Sardinia, Italy).
- Prof. **John Fleng Steffensen** (University of Copenhagen, Denmark).
- Prof. **Giuseppe Argenziano** (Arcispedale S. Maria Nuova IRCCS, Reggio Emilia, Italy).
- Prof. **Tim Pleskac** (University of Kansas, USA)
- Prof. **Martijn van den Assem** & Assis. Prof **Dennie van Dolder** (Free University, Amsterdam, NL)
- Assoc. Prof. **Wouter van den Bos** & Dr. **Lucas Molleman** (University of Amsterdam, NL)
- Dr. **Lysanne Snijders** (Wageningen University, Wageningen, NL)
- Dr. **Pawel Romanczuk** (Humboldt University, Berlin, Germany)
- Dr. **Bahador Bahrami** & Dr. **Jurgis Karpus** (Ludwig-Maximilians-Universität, München, Germany)
- Dr. **Eva Krockow** (University of Leicester, UK)
- Dr. **Uri Hertz** (University of Haifa, Israel)

Full publications list

* Equal contributions

1. Tump AN, Pleskac T & **Kurvers RHJM** (2020). Wise or mad crowds? The cognitive mechanisms underlying information cascades. [Science Advances](#) 6: eabb0266.
2. **Kurvers RHJM**, Prox L, Farine D, Jongeling C & Snijders L (2020). Season-specific carry-over of early-life associations in a monogamous bird species. [Animal Behaviour](#) 164: 25-37.
3. Demandt N, Praetz M, **Kurvers RHJM**, Krause J, Kurtz J & Scharsack JP. Parasite infection disrupts escape behaviours in fish shoals. [Proceedings of the Royal Society B](#). In press.
4. Molleman L*, Tump AN*, Gradassi A, Jayles B, Herzog S, **Kurvers RHJM** & van den Bos W. Strategies for integrating disparate social information. [Proceedings of the Royal Society B](#). In press.
5. Hansen MJ, Krause S, Breuker M, **Kurvers RHJM**, Dhellemmes F, Viblanc PE, Müller J, Mahlow C, Boswell K, Marras S, Domenici P, Wilson ADM, Herbert-Read JE, Steffensen JF, Fritsch G, Hildebrandt TB, Zaslansky P, Bach P, Sabarros PS & Krause J (2020). Linking hunting weaponry to attack strategies in sailfish and striped marlin. [Proceedings of the Royal Society B](#) 287: 20192228.
6. Krockow EM, **Kurvers RHJM**, Herzog SM, Kämmer JE, Hamilton AR, Thilly N, Macheda G & Pulcini C. Harnessing the wisdom of crowds can improve guideline compliance of antibiotic prescribers and support antimicrobial stewardship. [Scientific Reports](#) In press.

7. Dhellemmes F, Hansen MJ, Bouet SD, Videler J, Domenici P, Steffensen JF, Hildebrandt T, Fritsch G, Bach P, Sabarros PS, Krueger A, **Kurvers RHJM** & Krause J (2020). Oil gland and oil pores in billfishes: in search for a function. [Journal of Experimental Biology](#) 223: jeb224956.
8. **Kurvers RHJM**, Herzog SM, Hertwig R, Krause J, Moussaid M, Argenziano G, Zalaudek I, Carney PA & Wolf M (2019). How to detect high performing individuals and groups: decision similarity predicts accuracy. [Science Advances](#) 5: eaaw9011.
9. Herzog SM, Litvinova A, Yahosseini KS, Tump AN, & **Kurvers RHJM** (2019) The ecological rationality of the wisdom of crowds. In: R. Hertwig, T. J. Pleskac, T. Pachur, & The Center for Adaptive Rationality, [Taming uncertainty. Cambridge, MA: MIT Press.](#)
10. Marshall JAR, **Kurvers RHJM**, Krause J & Wolf M (2019) Quorums enable optimal pooling of independent judgments. [eLife](#): e40368.
11. Molleman L, **Kurvers RHJM** & van den Bos W (2019) Unleashing the BEAST: a brief measure of human social information use. [Evolution and Human Behavior](#) 40: 492-499.
12. Snijders L, **Kurvers RHJM**, Krause S, Tump AN, Ramnarine IW & Krause J (2019) Females facilitate male patch discovery in a wild fish population. [Journal of Animal Ecology](#) 2019;00:1–11.
13. **Kurvers RHJM** & Wolf M (2018) Identification of acutely sick people: individual differences and social information use. [Proceedings of the Royal Society B](#) 285: 20181274.
14. **Kurvers RHJM**, Drägestein J, Hölker F, Jechow A, Krause J & Bierbach D (2018) Artificial light at night affects emergence from a refuge and space use in guppies. [Scientific Reports](#) 8: 14131.
15. Snijders L, **Kurvers RHJM**, Krause S, Ramnarine IW & Krause J (2018) Individual and population level drivers of consistent foraging success across environments. [Nature Ecology and Evolution](#) 2: 610–1618. doi.org/10.1038/s41559-018-0658.
16. Demandt N*, Saus B*, **Kurvers RHJM**, Krause J, Kurtz J & Scharsack JP (2018) Parasite-infected sticklebacks increase the risk-taking behaviour of uninfected group members. [Proceedings of the Royal Society B](#) 285: 20180956.
17. Novaes Tump AN, Wolf M, Krause J & **Kurvers RHJM** (2018) Individuals fail to reap the collective benefits of diversity because of overreliance on personal information. [Journal of the Royal Society Interface](#) 15: 20180155.
18. **Kurvers RHJM**, Zoete A, Bachman SL, Algra PR & de Ostelo R (2018) Combining Independent Decisions Increases Diagnostic Accuracy of Reading Lumbosacral Radiographs and Magnetic Resonance Imaging. [PLoS ONE](#) 13: e0194128.
19. Lehmann A, Eccard JA, Scheffler C, **Kurvers RHJM** & Dammhahn M (2018) Under pressure: human adolescents express a pace-of-life syndrome. [Behavioral Ecology and Sociobiology](#) 72: 57.
20. **Kurvers RHJM**, Krause S, Viblanc PE, Herbert-Read JE, Zaslansky P, Domenici P, Marras S, Steffensen JF, Wilson ADM, Couillaud P & Krause J (2017) The Evolution of Lateralization in Group Hunting Sailfish. [Current Biology](#) 27: 521-526.
21. Krause J, Herbert-Read JE, Seebacher F, Domenici P, Wilson ADM, Marras S, Svendsen MBS, Strömbom D, Steffensen JF, Krause S, Viblanc PE, Couillaud P, Bach P, Sabarros PS, Zaslansky

- P & **Kurvers RHJM** (2017) Injury-mediated decrease in locomotor performance increases predation risk in schooling fish. **Philosophical Transactions of the Royal Society B** 372: 1727.
22. Kämmer J, Hautz WE, Herzog SM, Kunina-Habenicht O & **Kurvers RHJM** (2017) The Potential of Collective Intelligence in Emergency Medicine: Pooling Medical Students' Independent Decisions Improves Diagnostic Performance. **Medical Decision Making** 37: 715-724.
 23. Clément RJG, Vicente-Page J, Mann RP, Ward AJW, **Kurvers RHJM**, Ramnarine IW, de Polavieja G & Krause J (2017) Collective decision making in guppies: a cross-population comparison study in the wild. **Behavioural Ecology** 28: 919-924.
 24. **Kurvers RHJM**, Herzog SM, Hertwig R, Krause J, Carney PA, Bogart A, Argenziano G, Zalaudek I & Wolf M (2016) Boosting medical diagnostics by pooling independent judgments. **Proceedings of the National Academy of Sciences** 113: 8777-8782.
 25. Herbert-Read JE, Romanczuk P, Krause S, Strömbom D, Couillaud P, Domenici P, **Kurvers RHJM**, Marras S, Steffensen JF, Wilson ADM & Krause J (2016) Proto-cooperation: Group hunting sailfish improve hunting success by alternating attacks on grouping prey. **Proceedings of the Royal Society B** 283: 20161671.
 26. Svendsen MBS, Domenici P, Marras S, Krause J, Boswell K.M., Rodriguez-Pinto I, Wilson A.D.M., **Kurvers RHJM**, Viblanc PE, Finger JS & Steffensen JF (2016) Maximum swimming speeds of sailfish and three other large marine predatory fish species based on muscle contraction time and stride length: A myth revisited. **Biology Open** 5: 1415-1419.
 27. Finger JS, Dhellemmes F, Guttridge TL, **Kurvers RHJM**, Gruber SH & Krause J (2016) Rate of movement of juvenile Lemon Sharks in a novel open field, are we measuring activity or reaction to novelty? **Animal Behaviour** 116: 75-82.
 28. **Kurvers RHJM**, Wolf M, Naguib M & Krause J (2015) Self-organized flexible leadership promotes collective intelligence in human groups. **Royal Society Open Science** 2: 150222.
 29. **Kurvers RHJM**, Krause J, Argenziano G, Zalaudek I & Wolf M (2015) Detection Accuracy of Collective Intelligence Assessments for Skin Cancer Diagnosis. **JAMA Dermatology** 151: 1-8.
 30. Wolf M, Carney PA, Bogart A, Krause J & **Kurvers RHJM** (2015) Collective intelligence meets medical decision making: the collective outperforms the best radiologist. **PLoS ONE** 10: e0134269.
 31. Clément RJG, Wolf M, Snijders L, Krause J & **Kurvers RHJM** (2015) Information transmission via movement behaviour increases decision accuracy in human groups. **Animal Behaviour** 105: 85-93.
 32. Wilson ADM, Krause S, Ramnarine IW, Borner KK, Clément RJG, **Kurvers RHJM** & Krause J (2015) Social networks in changing environments. **Behavioral Ecology and Sociobiology** 69: 1617-1629.
 33. Marras S, Noda T, Steffensen JF, Svendsen MBS, Krause J, Wilson ADM, **Kurvers RHJM**, Herbert-Read JE, Boswell KM & Domenici P (2015) Not so fast: Swimming behavior of sailfish during predator-prey interactions using high-speed video and accelerometry. **Integrative and Comparative Biology** DOI: 10.1093/icb/icv017.

34. **Kurvers RHJM***, Krause J*, Croft DP, Wilson ADM & Wolf M (2014) The evolutionary and ecological consequences of animal social networks. **Trends in Ecology and Evolution** 29: 326-335. * Equal contributions
35. **Kurvers RHJM** & Hölker F (2014) Bright nights and social interactions: a neglected issue. **Behavioral Ecology** 26: 334-339.
36. Domenici P, Wilson ADM, **Kurvers RHJM**, Marras S, Herbert-Read JE, Steffensen JF, Krause S, Viblanc PE, Couillaud P & Krause J (2014) How sailfish use their bills to capture schooling prey. **Proceedings of the Royal Society B** 281: 20140444.
37. **Kurvers RHJM**, Wolf M & Krause J (2014) Humans use social information to adjust their quorum thresholds adaptively in a simulated predator detection experiment. **Behavioral Ecology and Sociobiology** 68: 449-456
38. **Kurvers RHJM**, Straates K, Ydenberg RC, van Wieren SE, Swierstra P & Prins HHT (2014) Social information use in Barnacle geese: an experiment revisited. **Ardea** 102: 173-180.
39. Wolf M*, **Kurvers RHJM***, Ward AJ, Krause S & Krause J (2013) Accurate decisions in an uncertain world: collective cognition increases true positives while decreasing false positives. **Proceedings of the Royal Society B** 280: 20122777. * Equal contributions
40. **Kurvers RHJM**, Adamczyk VMAP, Kraus RHS, van Wieren SE, van der Jeugd H, Hoffman JI, Amos W, Prins HHT & Jonker RM (2013) Contrasting context dependence of familiarity and kinship in animal social networks. **Animal Behaviour** 86: 993-1001.
41. Clément RJG, Krause S, Engelhardt N von, Faria JJ, Krause J & **Kurvers RHJM** (2013) Collective cognition in humans: Groups outperform their best members in a sentence reconstruction task. **PLoS ONE** 8: e77943.
42. Jonker RM, Kraus RHS, Zhang Q, Van Hooft P, Larsson K, Van der Jeugd HP, **Kurvers RHJM**, Van Wieren SE, Loonen MJJE, Crooijmans RPMA, Ydenberg RC, Groenen MAM & Prins HHT (2013) Genetic consequences of breaking migratory traditions. **Molecular Ecology** 22: 5835-5847.
43. **Kurvers RHJM**, Hamblin S & Giraldeau LA (2012) The effect of exploration on the use of producer-scrounger tactics. **PLoS ONE** 7: e49400.
44. **Kurvers RHJM**, Nolet B, Prins HHT, Ydenberg RC & van Oers K (2012) Boldness affects foraging decisions in barnacle geese: an experimental approach. **Behavioral Ecology** 23: 1155-1161.
45. **Kurvers RHJM**, van Santen de Hoog SI, van Wieren SE, Ydenberg RC & Prins HHT (2012) No evidence for negative frequency dependent feeding performance in relation to personality. **Behavioral Ecology** 23: 51-57.
46. Jonker RM, **Kurvers RHJM**, van de Bilt A, Faber M, Van Wieren SE, Prins HHT & Ydenberg RC (2012) Rapid adaptive adjustment of parental care coincident with altered migratory behaviour. **Evolutionary Ecology** 26: 657-667.
47. Peters A, Roberts ML, **Kurvers RHJM** & Delhey K (2012) Testosterone treatment can increase circulating carotenoids but does not affect yellow carotenoid-based plumage colour in blue tits. **Journal of Avian Biology** 43: 362-368.

48. **Kurvers RHJM**, Adamczyk VMAP, van Wieren SE & Prins HHT (2011) The effect of boldness on decision making in barnacle geese is group-size-dependent. **Proceedings of the Royal Society B** 278: 2018-2024.
49. Peters A, **Kurvers RHJM**, Roberts ML & Delhey K (2011) No evidence for general condition-dependence of structural plumage colour in blue tits: an experiment and a hypothesis. **Journal of Evolutionary Biology** 24: 976-987.
50. **Kurvers RHJM**, van Oers K, Nolet BA, Jonker RM, van Wieren SE, Prins HHT & Ydenberg RC (2010) Personality predicts the use of social information. **Ecology Letters** 13: 829-837.
51. **Kurvers RHJM**, Prins HHT, van Wieren SE, van Oers K, Nolet BA & Ydenberg RC (2010) The effect of personality on social foraging: shy barnacle geese scrounge more. **Proceedings of the Royal Society B** 277: 601-608.
52. **Kurvers RHJM**, Delhey K, Roberts ML & Peters A (2010) No consistent female preference for more UV crown colour in the Blue Tit, *Cyanistes caeruleus*: a mate choice experiment. **Ibis** 152: 393-396.
53. Jonker MN, de Boer WF, **Kurvers RHJM** & Dekker JJA (2010) Foraging and public information use in common pipistrelle bats (*Pipistrellus pipistrellus*): a field experiment. **Acta Chiropterologica** 12: 197-203.
54. **Kurvers RHJM**, Eijkelenkamp B, van Oers K, van Lith B, van Wieren SE, Ydenberg RC & Prins HHT (2009) Personality differences explain leadership in barnacle geese. **Animal Behaviour** 78: 447-453.
55. **Kurvers RHJM**, Roberts ML, McWilliams SR & Peters A (2008) Experimental manipulation of testosterone and condition during moult affects activity and vocalizations of male blue tits. **Hormones and Behavior** 54: 263-269.
56. Smallegange IM, Van der Meer J & **Kurvers RHJM** (2006) Disentangling interference competition from exploitative competition in a crab-bivalve system using a novel experimental approach. **Oikos** 113: 157-167.

Preprints

Kurvers RHJM, Hertz U, Karpus J, Balode MP, Jayles B, Binmore K & Bahrami B. How to sway voters. Preprint: <https://psyarxiv.com/vpzg5>

Kurvers RHJM, Herzog SM, Hertwig R, Krause J, & Wolf M. Towards more reliable and fairer decision systems: pooling decisions decreases variation in response bias and accuracy. Preprint: <https://psyarxiv.com/sv84r>

Jayles B & **Kurvers RHJM**. Debiasing the crowd: how to select social information for improving collective judgments? Preprint: <https://psyarxiv.com/hn8rz/>

Jayles B & **Kurvers RHJM**. Exchanging small amounts of opinions outperforms sharing aggregated of large crowds. Preprint: <https://psyarxiv.com/4n8bh/>

Snijders L, Krause S, Tump AN, Breuker M, Garcia S, Ortiz C, Rizzi S, Ramnarine IW, Krause J & **Kurvers RHJM**. Causal evidence for the adaptive benefits of social foraging in wild fish. Preprint: www.biorxiv.org/content/10.1101/2020.08.17.254250v1

Litvinova A, **Kurvers RHJM**, Hertwig R & Herzog SM. When experts make inconsistent decisions.
Pre-print: <https://psyarxiv.com/dtaz3/>