

## Curriculum Vitae **Ralf HJM Kurvers**

Max Planck Institute for Human Development, Centre for Adaptive Rationality

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Website: [ralfkurvers.com](http://ralfkurvers.com)

### Education & Research training

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- 2019 - Present External **Principal Investigator** at the Excellence Cluster, Science of Intelligence, Technical University (TUB), Berlin, Germany
- 2019 - Present **Senior Research Scientist**, Centre for Adaptive Rationality, Max Planck Institute for Human Development (MPIB), Berlin, Germany
- 2015 - 2018 **Research Scientist**, Centre for Adaptive Rationality, Max Planck Institute for Human Development, Berlin, Germany
- 2014 - Present **Guest Researcher**, Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), 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 (WUR), 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)

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#### [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 & Ydenburg 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: **€1.956.383**)

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- 2021-2024: **German Research Foundation (DFG) Grant**. Individual, Collective and Environmental Drivers of Human Foraging Dynamics in the Wild. (**€535.680**)
- 2020-2023: **Excellence Cluster Science of Intelligence Research Grant**. Weighing personal and social information in cooperative problem solving. (**€657.097**)
- 2020-2023: **Excellence Cluster Science of Intelligence Research Grant**. The Collective Dynamics Underlying Personal and Social Information Integration. (**€313.476**)
- 2020-2021: **Nesta Collective Intelligence Grant**. CROME: Harnessing the Wisdom of Crowds in Medical Diagnostics. (**€35.000**)
- 2016-2019: **German Research Foundation (DFG) Grant** The Role of Individual Differences in Collective Behaviour. Project overview: [link](#). (**€292.050**)
- 2011-2014: **Rubicon Postdoctoral Fellowship**. Netherlands Organisation for Scientific Research (NWO). Who leads, who follows? Linking personality to collective decision making. [link](#) (**€118.080**).
- 2006-2007: **Scholarship for postgraduate study philosophy**. Thomas More Foundation. Radboud University, Nijmegen, NL. (**€5.000**)

## Awards

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- 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**

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### **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=12)

Mubashir Sultan (MPIB) | Alexander Schakowski (MPIB) | David Wollny-Huttarsch (MPIB) | Jasmin Dragestein (MPIB) | Kees Straates (WUR) | Chantal Althuizen (WUR) | Jan Baar (WUR) | Coretta Jongeling (WUR) | Vena Adamczyk (WUR) | Simone van Santen de Hoog (WUR) | Marlot Jonker (WUR) | Babette Eijkelenkamp (WUR)

### **Bachelor thesis supervision** (n=3)

Antonio Amaddio (MPIB) | Fumihito Ogawa (IGB) | Idger Zwiers (WUR)

### **Internship/lab rotation supervision** (n=15)

Roberto Sautto (MPIB) | Susanne Haridi (MPIB) | Cheyenne Cavender (MPIB) | Ruth Marheinecke (MPIB) | Aaron Lob (MPIB) | Alexander Schakowski (MPIB) | Marta Balode (MPIB) | David Wollny-Huttarsch (MPIB) | Julia Broden (MPIB) | Sarah Neuhoff (MPIB) | Louisa Schilling (MPIB) | Florian Ermark (MPIB) | Sergio Garcia Martin (IGB) | Sidsel Bouet (IGB) | Coretta Jongeling (WUR)

## Academic Service

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### **Manuscripts reviewed for** (~130 unique manuscripts)

Nature | Nature Communications | PNAS | 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 | Journal of Cognition | 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 | Decision | 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) | The Drive for Knowledge: the Science of Human Information-Seeking (ed. by Eric Schulz).

### **Grants reviewed for**

National Science Foundation (NSF) | Natural Environment Research Council (NERC) | United States – Israel Binational Science Foundation (BSF) | ASAB Research Grants | Zukunftskolleg, Institute for Advanced Study (IAS) University of Konstanz

## Presentations

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### **Organised seminars / conferences**

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

### **Invited Workshops and Talks** (selection, last 5 years)

Invited talk, socialBRIDGES, University of Munich. (2020)

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

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

Invited 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**

- ACM Collective Intelligence Conference, Copenhagen, DK (2021)
- Behaviour 2017. Estoril, PTG (2017)
- 50<sup>th</sup> Conference of the German Society for Psychology, Leipzig, GER (2016)
- Behaviour 2015. Cairns, Australia (2015)
- 15<sup>th</sup> International Behavioral Ecology Congress, New York, USA (2014)
- Netherlands Society for Behavioural Biology, Soesterberg, NL (2013)
- Behaviour 2013. Newcastle, UK (2013)
- 6<sup>th</sup> European Conference on Behavioural Biology, Essen, GER (2012)
- 13th International Behavioral Ecology Congress, Perth, Australia (2010)
- Netherlands Annual Ecology Meeting, Lunteren, NL (2009 & 2010)
- 16<sup>th</sup> Benelux Congress of Zoology, Wageningen, NL (2009)
- 15<sup>th</sup> European Meeting of PhD Students in Evolutionary Biology, Schoorl, NL (2009)
- 11<sup>th</sup> meeting of the Goose Specialist Group, Leh, India (2008)
- 6<sup>th</sup> Conference of the European Ornithological Union, Vienna, Austria (2007)
- Edward Grey Institute Student Conference, Oxford, UK (2007)

### **Media outreach**

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

NewsMedical *Concept of 'wisdom of crowds' can improve decisions about overuse of antibiotics* (2020) [link](#)

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

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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, 2021)  
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. Carne 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

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- Prof. **Jens Krause**, Dr. **Max Wolf** & Dr. **Franz Hölker** (IGB, Germany).
- Prof. **Ralph Hertwig** & Dr. **Stefan Herzog** (MPIB, 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

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\* Equal contributions

2021

1. **Kurvers RHJM**, Herzog SM, Hertwig R, Krause J, & Wolf M (2021). Towards more reliable and fairer decision systems: pooling decisions decreases variation in response bias and accuracy. **iScience** In press. Preprint: <https://psyarxiv.com/sv84r>
2. Snijders L, Krause S, Tump AN, Breuker M, Garcia S, Ortiz C, Rizzi S, Ramnarine IW, Krause J & **Kurvers RHJM** (2021). Causal evidence for the adaptive benefits of social foraging in the wild. **Communications Biology** 4: 94 [link](#)

2020

3. Tump AN, Pleskac T & **Kurvers RHJM** (2020). Wise or mad crowds? The cognitive mechanisms underlying information cascades. **Science Advances** 6: eabb0266.
4. **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.
5. Demandt N, Praetz M, **Kurvers RHJM**, Krause J, Kurtz J & Scharsack JP (2020). Parasite infection disrupts escape behaviours in fish shoals. **Proceedings of the Royal Society B** 287: 20201158.
6. Molleman L\*, Tump AN\*, Gradassi A, Jayles B, Herzog S, **Kurvers RHJM** & van den Bos W (2020). Strategies for integrating disparate social information. **Proceedings of the Royal Society B** 287: 20202413.
7. 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.
8. Krockow EM, **Kurvers RHJM**, Herzog SM, Kämmer JE, Hamilton AR, Thilly N, Macheda G & Pulcini C (2020). Harnessing the wisdom of crowds can improve guideline compliance of antibiotic prescribers and support antimicrobial stewardship. **Scientific Reports** 10, 18782.
9. 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.

2019

10. **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.
11. 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.
12. Marshall JAR, **Kurvers RHJM**, Krause J & Wolf M (2019) Quorums enable optimal pooling of independent judgments. **eLife**: e40368.

13. 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.
14. 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* 88: 1950–1960.

2018

15. **Kurvers RHJM** & Wolf M (2018) Identification of acutely sick people: individual differences and social information use. *Proceedings of the Royal Society B* 285: 20181274.
16. **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.
17. 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.
18. 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.
19. 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.
20. **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.
21. 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.

2017

22. **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.
23. 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.
24. 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.
25. 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.

2016



26. **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.
27. 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.
28. 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.
29. 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.

2015

30. **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.
31. **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.
32. 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.
33. 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.
34. 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.
35. 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/icc017.

2014

36. **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
37. **Kurvers RHJM** & Hölker F (2014) Bright nights and social interactions: a neglected issue. [Behavioral Ecology](#) 26: 334-339.

38. 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.
39. **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
40. **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.

2013

41. 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
42. **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.
43. 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.
44. 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.

2012

45. **Kurvers RHJM**, Hamblin S & Giraldeau LA (2012) The effect of exploration on the use of producer-scrounger tactics. [PLoS ONE](#) 7: e49400.
46. **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.
47. **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.
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