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## Contents

[Upcoming Events](#)[Open Calls & Deadlines](#)[Latest News](#)[New Publications](#)[About JICE](#)

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## Upcoming Events

<b>Fri, 18 Oct</b> 11:15	<b>NC<sup>3</sup> Seminar Series</b> Bernice Sepers (Evolutionary Population Genetics, Bielefeld University) <i>Seminar Room VHF-210, Department of Animal Behaviour, Bielefeld University</i> <a href="#">» More details</a>
<b>Fri, 08 Nov</b> 11:15	<b>NC<sup>3</sup> Seminar Series</b> Lukas Schrader (Insect Evolutionary Genomics, University of Münster) <i>Lecture Hall HHü, Institute for Evolution and Biodiversity, University of Münster</i> <a href="#">» More details</a>
<b>Fri, 22 Nov</b> 11:15	<b>NC<sup>3</sup> Seminar Series</b> Barbara Caspers (Behavioural Ecology, Bielefeld University) <i>Seminar Room VHF-210, Department of Animal Behaviour, Bielefeld University</i> <a href="#">» More details</a>
<b>Fri, 06 Dec</b> 11:15	<b>NC<sup>3</sup> Seminar Series</b> Tobias Kaiser (Biological Clocks, Max Planck Institute for Evolutionary Biology) <i>Lecture Hall HHü, Institute for Evolution and Biodiversity, University of Münster</i> <a href="#">» More details</a>
<b>Fri, 06 Dec</b> 15:30	<b>Individualisation Lecture</b> Udo Dannlowksi (Translational Psychiatry, University of Münster) <i>Lecture Hall HHü, Institute for Evolution and Biodiversity, University of Münster</i> <a href="#">» More details</a>
<b>Fri, 20 Dec</b> 11:15	<b>NC<sup>3</sup> Seminar Series</b> Bibiana Rojas (Global Change Biology, University of Veterinary Medicine Vienna) <i>Seminar Room VHF-210, Department of Animal Behaviour, Bielefeld University</i> <a href="#">» More details</a>

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## Open Calls & Deadlines

### JICE Visiting Fellowships

The JICE offers *Visiting Fellowships* to outstanding scientists from all over the world for enabling them to engage in exchange and to collaborate within the interdisciplinary research environment of the JICE. The *Visiting Fellowships* will be granted for research stays of up to three months, during which the Visiting Fellows contribute to advancing the Science of Individualisation.

[» More details](#)

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### InChangE Interdisciplinary Scholarships

In the collaborative research association InChangE, researchers from the University of Münster and Bielefeld University explore the causes, mechanisms and consequences of individualisation in changing environments in an interdisciplinary discourse between natural sciences, social sciences and humanities. Within this framework, InChangE offers exchange scholarships for conducting an interdisciplinary research project at the participating institutions in Bielefeld and Münster for up to three months. Applications are open to doctoral and advanced master's students from universities all over the world. Additionally, the scholarships are available for applicants who completed their master's or doctoral degree recently.

Application deadline: 30 September 2024

[» More details](#)

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## Latest News

### NC<sup>3</sup> Conference

3–5 September 2024

The Transregional Collaborative Research Centre CRC/TRR 212 NC<sup>3</sup> successfully hosted a conference which aimed to advance a novel synthesis of individualisation across behaviour, ecology and evolution. It brought together numerous internationally leading scientists from various fields such as evolutionary and behavioural biology, ecology and philosophy at the Fürstenberghaus in Münster. Additionally, Prof Dr Oliver Krüger gave a fascinating public lecture on “Behaviour in change: *Westphalia, the Arctic, Galapagos*” to communicate the research of the CRC/TRR to all interested people.

**Many thanks to the plenary speakers and all other participants of the conference!**

[» Conference website](#)

[» Interview with Prof Dr Oliver Krüger on the adaptability of animals \[de\]](#)

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## **New publication from the JICE: Individualisation across disciplinary perspectives**

11 August 2024

The article “Individualisation and individualised science across disciplinary perspectives” has been published in the *European Journal for Philosophy of Science*. It is the result of a comprehensive interdisciplinary collaboration between numerous members of the JICE. The publication brings together various scientific disciplines with the aim to promote interdisciplinary research on individualisation by creating a common conceptual and theoretical basis.

[» Article in \*European Journal for Philosophy of Science\*](#)

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## **DFG funds new CRC/TRR 393 “Trajectories of affective disorders”**

31 May 2024

The German Research Foundation (DFG) has approved funding for the new Transregional Collaborative Research Centre “Trajectories of affective disorders: Cognitive-emotional mechanisms of symptom change”, which will begin its work on 1 July 2024. Researchers from the Philipps University of Marburg, the TUD Dresden University of Technology and the University of Münster are involved in the project – including Prof Dr Udo Dannlowski, Director of the Institute of Translational Psychiatry at the University of Münster and member of the JICE, who will be the site coordinator for the Collaborative Research Centre.

[» Press release by the University of Münster](#)

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## **“Individualization is essential in both prevention and therapy”**

19 April 2024

What does a science of individualization need? Researchers from the natural sciences, humanities, and social sciences provided insights into this at the third symposium on individualisation hosted by the JICE Institute, which is supported by Bielefeld University and the University of Münster. It was held at the Center for Interdisciplinary Research (ZiF) on the Bielefeld campus. In this interview, Münster sports scientist Professor Dr Claudia Voelcker-Rehage and Bielefeld economist Dr Niels Boissonnet explain what makes the institute’s interdisciplinary approach so valuable for their research. They explain how the focus on individualization enables innovations in a wide range of areas—from optimizing performance in sport to ethical questions of resource distribution.

[» Article by Bielefeld University](#)

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## **Individualisation Symposium 2024**

9 April 2024

Every year in spring, the JICE, the collaborative research association InChangE and the CRC-TRR 212 NC<sup>3</sup> jointly host the interdisciplinary Individualisation Symposium at the Centre for interdisciplinary Research at Bielefeld University.

At the third issue of the public event, researchers from various disciplines of natural sciences, social sciences and humanities gave insights into their research on causes, mechanism and consequences of individualisation.

### **Many thanks to the plenary speakers of this year’s symposium:**

Jens Elberfeld (History of Education, Martin Luther University Halle-Wittenberg)

Sofia Forss (Evolutionary Biology, University of Zurich)

Claudia Voelcker-Rehage (Neuromotor Behavior and Exercise, University of Münster)

Nicole Walasek (Computational Modelling, University of Amsterdam)

[» More details](#)

[» Recording of the plenary talk by Nicole Walasek](#)

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## **Understanding individualisation through modelling**

7 February 2024

Individualisation matters. We observe it in social trends, customer choices, personalised medicine or the adaptation of animals to their environments. In the research association ‘Individualisation in Changing Environments’ (InChangE), Bielefeld University and the University of Münster are investigating the causes, mechanisms and consequences of individualisation in changing environments. This interdisciplinary collaboration involves natural sciences, social sciences and humanities, including the disciplines of biology, philosophy, sociology, economics, psychology, geoinformatics, psychiatry and health sciences. The list of participants is long and their disciplines could not be more different. But that’s where the opportunity lies, says Dr Olena Orlova, an applied mathematician in the Theoretical Biology research group at the Faculty of Biology in Bielefeld and a postdoctoral fellow at InChangE.

[» Article by Bielefeld University](#)

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## **New Publications**

Altinok OA (2024): Learning from disability studies to introduce the role of the individual to naturalistic accounts of disease. *Medicine, Health Care and Philosophy*. <https://doi.org/10.1007/s11019-024-10216-9>

Alves Soares T, Caspers BA, Veit D, Loos HM (2024): Analytical characterization of volatiles present in the whole body odour of zebra finches. *Analytical and Bioanalytical Chemistry* 416, 5335–5349. <https://doi.org/10.1007/s00216-024-05466-8>

- Bagawade R, van Benthem KJ, Wittmann MJ (2024): Multi-scale effects of habitat loss and the role of trait evolution. *Ecology and Evolution* 14, e10799. <https://doi.org/10.1002/ece3.10799>
- Barber A, Friedrichs J, Müller C (2024): Gregarines impact consumption and development but not glucosinolate metabolism in the mustard leaf beetle. *Frontiers in Physiology* 15, 1394576. <https://doi.org/10.3389/fphys.2024.1394576>
- Bott A, Brockmann L, Denneberg I, Henken E, Kuper N, Kruse F, Degner J (2024): Spontaneous trait inferences from behavior: A systematic meta-analysis. *Personality and Social Psychology Bulletin* 50, 78–102. <https://doi.org/10.1177/01461672221100336>
- Bühler A, Schweiger R (2024): Niche construction and niche choice by aphids infesting wheat ears. *Oecologia*. <https://doi.org/10.1007/s00442-024-05612-0>
- Carranza-Pinedo V (2024): Slurring individuals. *Inquiry*, 1–34. <https://doi.org/10.1080/0020174X.2024.2353616>
- Currie A, Killin A, Lequin M, Meneganzin A, Pain R (2024): Past materials, past minds: The philosophy of cognitive paleoanthropology. *Philosophy Compass*, e13001. <https://doi.org/10.1111/phc3.13001>
- Gilles M, Kosztolányi A, Rocha AD, Cuthill IC, Székely T, Caspers BA (2024): No sex difference in preen oil chemical composition during incubation in Kentish plovers. *PeerJ* 12, e17243. <https://doi.org/10.7717/peerj.17243>
- Goltsman ME, Kruchenkova EP, Doronina, LO (2024): Behavioral island syndrome and its ecological drivers in the Mednyi Island Arctic fox population. *Biology Bulletin Reviews* 14, 394–404. <https://doi.org/10.1134/S2079086424030046>
- Grunenberg E, Peters H, Francis MJ, Back MD, Matz SC (2024): Machine learning in recruiting: Predicting personality from CVs and short text responses. *Frontiers in Social Psychology* 1, 1290295. <https://doi.org/10.3389/frsps.2023.1290295>
- Herrera-Rivero M, Gutiérrez-Fragoso K, International Consortium on Lithium Genetics (ConLi+Gen), Kurtz J, Baune BT (2024): Immunogenetics of lithium response and psychiatric phenotypes in patients with bipolar disorder. *Translational Psychiatry* 14, 174. <https://doi.org/10.1038/s41398-024-02865-4>
- Herrera-Rivero M, Adli M, Akiyama K, Akula N, Amare AT, Ardaur R, ..., Baune BT (2024): Exploring the genetics of lithium response in bipolar disorders. *International Journal of Bipolar Disorders* 12, 20. <https://doi.org/10.1186/s40345-024-00341-y>
- Herrera-Rivero M, Garvert L, Horn K, Löbner M, Weitzel EC, Stoll M, ..., Dannowski U, ..., Baune BT, Berger K (2024): A meta-analysis of genome-wide studies of resilience in the German population. *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-024-02688-1>
- Humberg S, Kuper N, Rentzsch K, Gerlach TM, Back MD, Nestler S (2024): Investigating the effects of congruence between within-person associations: A comparison of two extensions of response surface analysis. *Psychological Methods*. <https://doi.org/10.1037/met0000666>
- Kaiser MI, Gadau J, Kaiser S, Müller C, Richter SH (2024): Individualized social niches in animals: Theoretical clarifications and processes of niche change. *BioScience* 74, 146–158. <https://doi.org/10.1093/biosci/biad122>
- Kaiser MI, Killin A, Abendroth AK, Back MD, Baune BT, Bilstein N, Breitmoser Y, Caspers BA, Gadau J, Gossmann TI, Kaiser S, Krüger O, Kurtz J, Lengersdorf D, Malsch AKF, Müller C, Rauthmann, JF, Reinhold K, Richter SH, Stummer C, Trappes R, Voelcker-Rehage C, Wittmann MJ (2024): Individualisation and individualised science across disciplinary perspectives. *European Journal for Philosophy of Science* 14, 41. <https://doi.org/10.1007/s13194-024-00602-8>
- Killin A (2024): Culture, cooperation, and communication: The co-evolution of hominin cognition, sociality, and musicality. *British Journal of Aesthetics*, ayad038. <https://doi.org/10.1093/aesthj/ayad038>
- Killin A (2024): Review of Stephen Jan, ‘Music in Evolution and Evolution in Music’. *Musicae Scientiae*. <https://doi.org/10.1177/10298649241228898>
- Killin A (2024): The deep history of musicality: evolutionary cognitive archaeology and music. In: Wynn T, Overmann K, Coolidge F. (eds.) *Oxford Handbook of Cognitive Archaeology*, 575–598.
- Kuper N, von Garrel AS, Wiernik BM, Phan LV, Modersitzki N, Rauthmann JF (2024): Distinguishing four types of Person × Situation interactions: An integrative framework and empirical examination. *Journal of Personality and Social Psychology* 126, 282–311. <https://doi.org/10.1037/pspp0000473>
- Malsch AKF, Killin A, Kaiser MI (2024): Health-oriented environmental categories, individual health environments, and the concept of environment in public health. *Health Care Analysis*. <https://doi.org/10.1007/s10728-023-00477-5>
- Maraci Ö, Antonatou-Papaioannou A, Jünemann S, Schneeberger K, Schulze M, Scheffler I, Caspers B (2024): Bats, bacteria, and bat smell v.2.0: Repeatable sex-specific differences in scent organ microbiota. *Microbial Ecology* 87, 55. <https://doi.org/10.1007/s00248-024-02368-1>
- Mattmüller RM, Thomisch K, Hoffman JI, Van Opzeeland I (2024): Characterizing offshore polar ocean soundscapes using ecoacoustic intensity and diversity metrics. *Royal Society Open Science* 11, 231917. <https://doi.org/10.1098/rsos.231917>
- Meneganzin A, Killin A (2024): Beyond reasonable doubt: reconsidering Neanderthal aesthetic capacity. *Phenomenology and the Cognitive Sciences*. <https://doi.org/10.1007/s11097-024-10003-0>
- Pajmans AJ, Berthelsen AL, Nagel R, Christaller F, Kroecker N, Forcada J, Hoffman JI (2024): Little evidence of inbreeding depression for birth mass, survival and growth in Antarctic fur seal pups. *Scientific Reports* 14, 12610. <https://doi.org/10.1038/s41598-024-62290-x>
- Scharbert J, Humberg S, Kroencke L, Reiter T, Sakel S, Ter Horst J, ..., Back MD (2024). Psychological well-being in Europe after the outbreak of war in Ukraine. *Nature Communications* 15, 1202. <https://doi.org/10.1038/s41467-024-44693-6>
- Scharbert J, Utesch K, Reiter T, ter Horst J, van Zalk M, Back MD, Rau R (2024): If you were happy and you know it, clap your hands! Testing the peak-end rule for retrospective judgments of well-being in everyday life. *European Journal of Personality*. <https://doi.org/10.1177/08902070241235969>
- Schulte L, Caspers B (2024): Tonic immobility behaviour does not differ between fire salamander larvae from ponds and streams. *Ecology and Evolution* 14, e11211. <https://doi.org/10.1002/ece3.11211>
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Wittmann MJ, Bräutigam A (2024): How does plant chemodiversity evolve? Testing five hypotheses in one population genetic model. *The New Phytologist*. <https://doi.org/10.1111/nph.20096>

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## About JICE

The Joint Institute for Individualisation in a Changing Environment (JICE) is an interdisciplinary research centre founded by Bielefeld University and the University of Münster. It unites researchers investigating individualisation processes in changing environments and promotes interdisciplinary research bridging natural and social sciences with the aim to develop a comprehensive understanding across disciplines and species.

The JICE builds on the [Transregional Collaborative Research Centre CRC/TRR 212 NC<sup>3</sup>](#), in which biologists and philosophers have been working on a new synthesis of individualisation since 2018. In addition, the [collaborative research association InChangeE](#), funded by the state of North Rhine-Westphalia as part of the programme “Profilbildung 2020”, is based at the JICE – investigating causes, mechanisms and consequences of individualisation by linking various disciplines such as biology, philosophy, sociology, economics, psychology, geoinformatics, psychiatry and health sciences.



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Ministry of Culture and Science  
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