

## Curriculum vitae

Ruben C. Arslan

Email: firstname dot lastname at gmail

### Education

- 10/2013 - 10/2017    PhD (Dr. rer. nat.)  
Topic: *Secular changes in sexual and natural selection against deleterious genetic mutations in humans*  
University of Göttingen.
- 10/2008 - 09/2013    Diploma in psychology (Grade: 1.3)  
Thesis title: *The effect of paternal age on offspring intelligence and other traits when controlling for paternal trait level* (Grade: 1.0).  
Humboldt University Berlin.

### Academic Professional Positions

- 04/2021 - now        Research assistant  
Personality Psychology and Psychological Diagnostics lab (Prof. Dr. Stefan Schmukle)  
Leipzig University
- 10/2017 - 03/2021    Research scientist  
Center for Adaptive Rationality (Prof. Dr. Ralph Hertwig)  
Max Planck Institute for Human Development, Berlin.
- 10/2013 - 09/2017    Research assistant  
Biological Personality Psychology lab (Prof. Dr. Lars Penke)  
University of Göttingen.
- 03/2016              Research stay at the Centre for Interdisciplinary Research, Bielefeld.  
Group *Genetic and Social Causes of Life Chances*.
- 2013                  Development of *open-source* survey software for psychological research (formr.org) for the Personality lab at Friedrich Schiller University Jena.
- 09/2011 - 10/2011    Internship at the University of Edinburgh (Dr. Lars Penke).
- 06/2010 - 09/2013    Student assistant, from 2011 in the DFG-project *Self Insight*, Personality development lab (Prof. Dr. Jaap Denissen)  
Humboldt University Berlin.

## **Professional training**

- 09/2016 Genetic Association Course with Application to the Analysis of Sequence and Genotype Data  
with Prof. Suzanne Leal, and Prof. Michael Nothnagel  
Max Delbrück Center for Molecular Medicine, Berlin.
- 09/2013 DPPD 2013 Pre-conference workshop „Mixed Models in R“  
with Dr. Felix Schönbrodt  
Ernst Moritz Arndt University Greifswald.
- 05/2012 Workshop: Biosociology - From Proteins to People (and Back)  
with Prof. Dalton Conley  
Berlin Social Science Center.
- 09/2010 LIFE Research School Workshop “Introduction to R”  
with Dr. Maike Luhmann  
Max Planck Institute for Human Development, Berlin.

## **Awards**

- 2020 SIPS (Society for Improving Psychological Science) Mission Award for contribution to the improvement of psychological science in the face of challenge for the formr.org framework (Arslan & Tata, 2020), 500\$.
- 2019 DPPD dissertation prize (Differential and Personality Psychology and Diagnostics Section of the German Psychological Society), 500€.
- 2016 DGVT (German Association for Behaviour Therapy) development award for Habedank, Lennartz, Arslan, & Ertle (2015), 1500 €.
- 2015 John B. Carroll Award for Research Methodology for Arslan et al. (2015, ISIR), \$500.







## Funding

- 2021 German Research Foundation (DFG) special call *META-REP*: Standardization of Behavior Research Methods (#464488178.). Together with Prof. Malte Elson. 495,991€. Own share: 233,060€ (DFG AR 1373/1-1)
- 2021 Collaborator/member on German Research Foundation (DFG) network grant to Dr. M. P. Grosz: Explicit Causal Inference in Research on Personality (ECIP) (#461127198). 19,468.86€.
- 2017 Funds to organize workshops and talks by three speakers, 3,649€ by the fund for quality in teaching [Studienqualitätsmittel].
- 2017 Travel grant from the Leibniz Science Campus, Göttingen, to attend the HBES 2017 in Boise, Idaho, 1,000 €.
- 2016 Fellowship program "Freies Wissen" [Free Knowledge], 5,000 € funded by Wikimedia and the Donors' association for the promotion of humanities and sciences in Germany [Stifterverband für die Deutsche Wissenschaft].
- 2016 Scholarship from the German Academic Exchange Service [Deutscher Akademischer Austauschdienst, DAAD] to attend the European Conference on Personality in Timisoara.
- 2016 Scholarship from the European Association for Personality Psychology to attend the European Conference on Personality in Timisoara, 250 €.
- 2015 Travel grant from the Leibniz Science Campus, Göttingen, to attend the ISIR 2015 in Albuquerque, 1,000 €.
- 2015 Travel grant from the International Society for Intelligence Research, \$1,500.
- 2015 Open Contributor Integration Grant from the Center for Open Science to help integrate formr.org (co-grantee with Cyril Tata), \$1,000.
- 2015 Grant for „Research-oriented learning and teaching“ for a project on examining personality predictors for resistance to advice in day-to-day life (co-grantee with Tanja Gerlach und Lars Penke), 4,790.40 €.
- 2014 Scholarship from the European Association for Personality Psychology to attend the European Conference on Personality in Lausanne, CHF 400.
- 2008 - 2013 Scholarship by the German National Academic Foundation.







## Professional Affiliations and Memberships

















since 2020	Member of the German Society for Psychology (DGPs), Sections: - Biological Psychology und Neuropsychology - Differential and Personality Psychology and Diagnostics - Methods and Evaluation
since 2017	Open Science Ambassador (Center for Open Science)
2018 - 2021	Member of the workgroup on open research data management at the Max Planck Institute for Human Development
2016 - 2017	Co-chair and co-founder of the <i>Göttingen Open Source and Science Initiative of Psychology</i>
2016 - 2017	Fellow of Wikimedia Germany's program "Freies Wissen"
since 2016	Member of the Human Behaviour and Evolution Society (HBES)
2015 - 2017	Junior fellow of the Centre for Interdisciplinary Research Bielefeld, research group "Genetic and Social Causes of Life Chances"
2015 - 2017	Member of the Leibniz ScienceCampus "Primate Cognition" in Göttingen, PhD student representative in the steering committee
since 2014	Member of the German Society for Psychology (DGPs), Section: - Differential and Personality Psychology and Diagnostics (DPPD)
since 2013	Member of the European Human Behaviour and Evolution Association (EHBEA)













## Publications

Icons:  Preregistered.  Open Data.  Data Available for Scientific Use.  Open Materials, Code.  Open Access  Green Open Access (icon is linked to accessible copy).

### Peer-Reviewed Publications (27)


-   Botzet, L., Gerlach, T. M., Driebe, J. C., Penke, L., & **Arslan, R. C.** (2021). Hormonal contraception and sexuality: causal effects, unobserved selection, or reverse causality? *Collabra: Psychology*. <https://doi.org/10.31234/osf.io/6d3aw>
-   Schleifenbaum, L., Driebe, J. C., Gerlach, T. M., Penke, L., & **Arslan, R. C.** (2021). Women feel more attractive before ovulation: evidence from a large-scale online diary study. *Evolutionary Human Sciences*. <https://doi.org/10.1017/ehs.2021.44>
-   **Arslan, R. C.**, Driebe, J. C., Stern, J., Gerlach, T. M., & Penke, L. (2021). The evidence for Good Genes Ovulatory Shifts in Arslan et al. (2018) is mixed and uncertain. *Journal of Personality and Social Psychology*, 120(1).


-   Driebe, J. C., Sidari, M., Dufner, M., von der Heiden, J. M., Bürkner, P.-C., Penke, L., Zietsch, B. P., & **Arslan, R. C.** (2021). Intelligence can be detected but is not found attractive in videos and live interactions. *Evolution and Human Behavior*.  
<https://doi.org/10.1016/j.evolhumbehav.2021.05.002>
-   Stern, J., Schild, C., Puts, D. A., Jones, B. C., DeBruine, L. M., Hahn, A., Zettler, I., Feinberg, D., Kordsmeyer, T. L., Penke, L., & **Arslan, R. C.** (2021). Do voices carry valid information about a speaker's personality? *Journal of Research in Personality*.  
<https://doi.org/10.1016/j.jrp.2021.104092>
-  Rohrer, J. M.\* , & **Arslan, R. C.\*** (2021). Precise answers to vague questions: issues with interactions. *Advances in Methods and Practices in Psychological Science*.  
<https://doi.org/10.1177/25152459211007368>  
\* Contributed equally
-  Reins, L. M., **Arslan, R. C.**, & Gerlach, T. M. (2021). Assessing ego-centered social networks in formr: a tutorial. *Advances in Methods and Practices in Psychological Science*.  
<https://doi.org/10.1177/2515245920985467>
-  Horstmann, K. T., **Arslan, R. C.**, & Greiff, S. (2020). Generating codebooks to ensure the independent use of research data. *European Journal of Psychological Assessment*, 36(5), 721–729. <https://doi.org/10/ghmt9r>
-   **Arslan, R. C.**, Brümmer, M., Dohmen, T., Drewelies, J., Hertwig, R., & Wagner, G. G. (2020). How people know their risk preference. *Scientific Reports*, 10(1), 15365.  
<https://doi.org/10.1038/s41598-020-72077-5>
-   **Arslan, R. C.**, Reitz, A. C., Driebe J. C., Gerlach T. M., & Penke L. (2020). Routinely randomize potential sources of measurement reactivity to estimate and adjust for biases in subjective reports. *Psychological Methods*, 26(2), 175–185.  
<https://doi.org/10.1037/met0000294>
-  Botzet L. J., Rohrer, J. M. & **Arslan, R. C.** (2020). Analysing effects of birth order on intelligence, educational attainment, big five and risk aversion in an Indonesian sample. *European Journal of Personality*. 35(2). 234-248. <https://doi.org/10.1002/per.2285>
-   Stern, J., **Arslan, R. C.**, Gerlach, T. M., & Penke, L. (2019). No robust evidence for cycle shifts in preferences for men's bodies in a multiverse analysis: A response to Gangestad, Dinh, Grebe, Del Giudice, and Emery Thompson (2019). *Evolution and Human Behavior*, 40(6), 517-525. <https://doi.org/10.1016/j.evolhumbehav.2019.08.005>
-   Schild, C., Feinberg, D., Puts, D. A., Stern, J., Fasolt, V., Holzleitner, I., O'Shea, K. J., Lai, R., **Arslan, R. C.**, Hahn, A., Cárdenas, R. A., DeBruine, L. M., & Jones, B. C. (in-principle accepted Stage 1 Registered Report). Are attractive female voices really best characterized by feminine fundamental and formant frequencies? *Evolution and Human Behaviour*.  
<https://doi.org/10.31234/osf.io/3qx4j>



-  **Arslan, R. C.** (2019). How to automatically document data with the codebook package to facilitate data re-use. *Advances in Methods and Practices in Psychological Science*, 2(2), 169-187. <https://doi.org/10.1177/2515245919838783>
-  **Arslan, R. C.**, Walther, M. P., & Tata, C. S. (2019). formr: A study framework allowing for automated feedback generation and complex longitudinal experience sampling studies using R. *Behavior Research Methods*, 52(1), 376-387. <https://doi.org/10.3758/s13428-019-01236-y>
-  Gerlach, T. M., **Arslan, R. C.**, Schultze, T., Reinhard, S. K., & Penke, L. (2019). Predictive validity and adjustment of ideal partner preferences across the transition into romantic relationships. *Journal of Personality and Social Psychology*, 116(2), 313–330. <https://doi.org/10.1037/pspp0000170>
-   **Arslan, R. C.**, Schilling, K. M., Gerlach, T. M., & Penke, L. (2018). Using 26 thousand diary entries to show ovulatory changes in sexual desire and behaviour. *Journal of Personality and Social Psychology*. Advance online publication. <https://doi.org/10.1037/pspp0000208>
-  **Arslan, R. C.**, Willführ, K. P., Frans, E., Verweij, K. J. H., Myrskylä, M., Voland, E., ... Penke, L. (2018). Relaxed selection and mutation accumulation are best studied empirically: reply to Woodley of Menie et al. *Proceedings of the Royal Society B: Biological Sciences*, 20180092(285). <https://doi.org/10.1098/rspb.2018.0092>
-  Dufner, M., **Arslan, R. C.**, & Denissen, J. J. A. (2018). The unconscious side of Facebook: Do online social network profiles leak cues to users' implicit motive dispositions? *Motivation & Emotion*, 42(1), 79–89. <https://doi.org/10.1007/s11031-017-9663-1>
-  Hill, W. D., **Arslan, R. C.**, Xia, C., Luciano, M., Amador, C., Navarro, P., ... Penke, L. (2018). Genomic analysis of family data reveals additional genetic effects on intelligence and personality. *Molecular Psychiatry*, 23(1), 2347–2362. <https://doi.org/10.1038/s41380-017-0005-1>  
*David Hill, Ruben Arslan and Charley Xia share the first authorship.*
-  **Arslan, R. C.**, Willführ, K. P., Frans, E., Verweij, K. J. H., Myrskylä, M., Voland, E., ... Penke, L. (2017). Older fathers' children have lower evolutionary fitness across four centuries and in four populations. *Proceedings of the Royal Society B: Biological Sciences*, 20171562(1862), 20171562. <https://doi.org/10.1098/rspb.2017.1562>
-  **Arslan, R. C.**, von Borell, C. J., Ostner, J., & Penke, L. (2017). Negative results are needed to show the specific value of a cultural explanation for g: A commentary on Burkart et al. *Behavioral and Brain Sciences*. <https://doi.org/10.1017/S0140525X16001588>
-  Hess, U., **Arslan, R. C.**, Mauersberger, H., Blaison, C., Dufner, M., Denissen, J. J. A., & Ziegler, M. (2017). Reliability of surface facial electromyography. *Psychophysiology*, 54, 12-23. <https://doi.org/10.1111/psyp.12676>
-  Bleidorn, W., **Arslan, R. C.**, Denissen, J. J. A., Rentfrow, P. J., Gebauer, J. E., Potter, J., & Gosling, S. D. (2016). Age and gender differences in self-esteem—A cross-cultural window.

*Journal of Personality and Social Psychology*. 111(3), 396–410.

<https://doi.org/10.1037/pspp0000078>

 **Arslan, R. C.**, & Penke, L. (2015). Zeroing in on the genetics of intelligence. *Journal of Intelligence*, 3, 41-45. <https://doi.org/10.3390/jintelligence3020041>

 Dufner, M., **Arslan, R. C.**, Hagemeyer, B., Schönbrodt, F. D., & Denissen, J. J. A. (2015). Affective contingencies in the affiliative domain: Physiological assessment, associations with the affiliation motive, and prediction of behavior. *Journal of Personality and Social Psychology*, 109(4), 662–676. <https://doi.org/10.1037/pspp0000025>


  **Arslan, R. C.**, Penke, L., Johnson, W., Iacono, W. G., & McGue, M. (2014). The effect of paternal age on offspring intelligence and personality when controlling for parental trait levels. *PLoS ONE*, 9, e90097. <https://doi.org/10.1371/journal.pone.0090097>

#### *Non-peer-reviewed articles (2)*


**Arslan, R. C.**, Wagner, G. G., Köllinger, P. (January 20, 2019). Argumente für mehr Solidarität. *Süddeutsche Zeitung*. <http://www.sueddeutsche.de/wirtschaft/forum-argumente-fuer-mehr-solidaritaet-1.4295164>


Wagner, G. G., **Arslan, R. C.**, Dorn, F., Gäbler, S., Griese, F., Hertwig, R., ... & Potrafke, N. (2018). Risikoeinschätzungen von Ökonomen. *ifo Schnelldienst*, 71(7), 61-64.

#### *Open peer review*






 **Arslan, R. C.**, Myrskylä, M. (2018). Referee Report For: Model for de novo mutation propagation depending on paternal age at conception and associated neurological disorders [version 1; referees: 1 not approved]. *F1000Research*, 7:358 <https://doi.org/10.5256/f1000research.14796.r33258>

#### *Book chapter and Dissertation*

 **Arslan, R. C.** (2017). *Secular changes in sexual and natural selection against deleterious genetic mutations in humans* (L. Penke & M. Jokela (eds.)). <https://ediss.uni-goettingen.de/handle/11858/00-1735-0000-002E-E301-9>

 **Arslan, R. C.** & Penke, L. (2015). Evolutionary genetics. In D. M. Buss (Ed.), *Handbook of Evolutionary Psychology*, 2<sup>nd</sup> edition. New York: Wiley. <https://doi.org/10.1002/9781119125563.evpsych245>

*Preprints (working papers) (4)*

-  Rohrer, J. M., Hünermund, P., **Arslan, R. C.**, & Elson, M. (2021). That's a lot to PROCESS! Pitfalls of Popular Path Models. <https://doi.org/10.31234/osf.io/paeb7>
-   Holzleitner, I. J., Driebe, J. C., **Arslan, R. C.**, Hahn, A. C., Lee, A. J., O'Shea, K. J., Gerlach, T. M., Penke, L., Jones, B. C., & DeBruine, L. M. (major revision). No evidence that inbreeding avoidance is up-regulated during the ovulatory phase of the menstrual cycle. *bioRxiv*. <https://doi.org/10.1101/192054v4>
-   Habedank, I., Lennartz, S. J., **Arslan, R. C.**, & Ertle, A. (2017). Online attention bias modification for obsessive-compulsive disorder: A randomized controlled trial. *PsyArXiv*. <https://doi.org/10.17605/osf.io/u7cve>.

Kline, M., Yarkoni, T., DeBruine, L. M., Buchanan, E. M., **Arslan, R. C.**, Martin, S., Gorgolewski, C., ..., & Brandmaier, A. M. (community testing). Psych-DS. A technical specification for psychological datasets.



*Software (8)*

**Arslan, R. C.** (2020). rmdpartials R package. <https://doi.org/10.5281/zenodo.3952686>

An open source R package to document statistical output reproducibly.

**Arslan, R. C.** (2017-21). codebook R package. <https://doi.org/10.5281/zenodo.1205454>

An open source R package to generate codebooks for datasets using the metadata already contained in survey software, and SPSS files. It makes metadata (reliability statistics, summary statistics, labels) findable, accessible, interoperable, and re-usable, i.e., useful for man and machine. It has been installed over 35,000 times.

**Arslan, R. C.**, Walther, M. P., & Tata, C. S. (2015-21). formr.org survey software. <https://doi.org/10.5281/zenodo.32986>

An open source online research software to design and automate diary studies, experience sampling, longitudinal studies and complex graphical feedback using R. Currently, more than 1,800 researchers are enrolled in our hosted version, who have together tested more than 1.7 million users, who responded to more than 100 million questions. At least 90 papers have been published with data collected using formr.

**Arslan, R. C.** (2015-21). formr R package. <https://doi.org/10.5281/zenodo.46568>

An open source R package to simplify working with formr.org.

**Arslan, R. C.**, & Lassner, D. (2016-21). alphabattle.xyz word detective game web app.

A player-vs-player word game for smartphones and other devices.

**Arslan, R. C.** (2014). Attention bias modification training. <https://doi.org/10.5281/zenodo.33336>

An open source and online dot probe task, used in a randomised controlled trial against obsessive compulsive disorder (Habedank, Lennartz, Arslan, & Ertle, 2017).

**Arslan, R. C.**, & Simon, L. (2013). archivalproject.org collaborative meta-analysis website. <https://doi.org/10.5281/zenodo.46633>

An open source platform for the collaborative collection of archival data on scientific research, originally designed in collaboration with the Center for Open Science to code methodological aspects of studies to be replicated via crowd-sourcing.

**Arslan, R. C.** (2007). brainfunnel.com vocabulary trainer.

A free online vocabulary trainer and spaced repetition assistant, supports gap texts and bird voices.

### *Blogs/blog entries*

Together with three colleagues, I maintain a blog on open science and reproducibility, *The 100% CI*. Ten posts so far (on reproducibility, overfitting, science culture, error culture, bibliometrics, replicability and citations, bug bounties, peer review, and red teams) were mainly my work.

<http://www.the100.ci/>

On my personal blog *One lives only to make blunders*, I publish small analyses, post-publication peer reviews, and work-in-progress. Popular posts were about the relationship between citations and research quality, feedback in online research, distributional regression, and sexuality.

<https://rubenarslan.github.io/>

I have also guest-blogged at the Wikimedia foundation and the Open Science Collaboration.

### *Workshops (12)*

**Arslan, R. C.** (2021). *Using formr.org to build complex R-driven online studies with personalised feedback*. PH Karlsruhe, Germany.

**Arslan, R. C.** (2021). *Applied Ecological Momentary Assessment Techniques*. A workshop on using formr.org for experience sampling studies. Society for Personality and Social Psychology Summer Forum in Psychology on Psychological Dynamics.

**Arslan, R. C.** (2020). *Document your Data<sup>[SEP]</sup> FAIRly*. An online workshop to assist colleagues at the Max Planck Institute for Human Development to document their data using my codebook package.

**Arslan, R. C.** (2020). *Using formr.org to build complex R-driven online studies with personalised feedback*. An online workshop to assist colleagues at the Max Planck Institute for Human Development in pivoting their collection to online.

**Arslan, R. C.** & Botzet, L. J. (2019). *Document your Data<sup>[SEP]</sup> FAIRly<sup>[SEP]</sup>*. Society for the Improvement of Psychological Science. Rotterdam, the Netherlands. July 9, 2019.

**Arslan, R. C.** (2018). *Using formr.org to build complex R-driven online studies with personalised feedback*. A two-day workshop for users of my software at the University of Goettingen, DE, September 24-25, 2018. <https://doi.org/10.17605/OSF.IO/GU23H>

**Arslan, R. C.** (2018). *How to make your data FAIR<sup>[SEP]</sup> (findable, accessible, interoperable, and re-usable)*. A brief workshop at the Berlin Institute of Health Summer School on Open Science, DE, September 19, 2018. <https://doi.org/10.17605/OSF.IO/F8DVX>

**Arslan, R. C.** (2018). *Automatic codebooks from metadata encoded in surveys*. German Institute for Economic Research (DIW) Berlin. Brownbag. May 23, 2018.

**Arslan, R. C.** (2018). *Maintaining privacy with open data*. A one-day workshop at the Ludwig Maximilian University of Munich, DE, February 2, 2018. <https://doi.org/10.17605/OSF.IO/N2DSQ>

**Arslan, R. C.** (2018). *Using formr.org to build complex R-driven online studies with personalised feedback*. A two-day workshop for users of my software at the University of Copenhagen, DE, January 16-17, 2018. <https://doi.org/10.17605/OSF.IO/GU23H>

**Arslan, R. C.** (2017). *Komplexe Online-Studien mit formr.org*. A one-day workshop for users of my software at the University of Leipzig, DE, September 21, 2017. <https://doi.org/10.17605/OSF.IO/GU23H>

**Arslan, R. C.** (2016). *Komplexe Online-Studien mit formr.org*. A one-day workshop for users of my software at the 50<sup>th</sup> Kongress der Deutschen Gesellschaft für Psychologie (DGPs) in Leipzig, DE, September 18-22, 2016. <https://doi.org/10.17605/OSF.IO/GU23H>

#### *Presentations as First Author or Presenter (18)*

**Arslan, R. C.** (2019). Secular changes in sexual and natural selection against deleterious genetic mutations in humans. **Award talk** presented remotely at the 15<sup>th</sup> Fachgruppentagung Diagnostik, Differentielle und Persönlichkeitspsychologie der Deutschen Gesellschaft für Psychologie in Munich, September 5, 2019.

**Arslan, R. C.** (2019). Automatic Codebooks from Existing Metadata. **Invited talk** presented remotely at University of Zurich, November 6, 2019.

**Arslan, R. C.** (2019). Automatic Codebooks from Existing Metadata. **Invited talk** presented remotely at the Leibniz Institute for Psychology Information (ZPID), August 14, 2019.

**Arslan, R. C.**, Tata, C. S. *Using formr.org to design complex studies with immediate graphical feedback*. **Talk** presented at the 19<sup>th</sup> European Conference on Personality in Zadar, Croatia, July 17-21, 2018.

**Arslan, R. C.**, Driebe, J. C., Gerlach, T. M., Ostner, J., & Penke, L. *Sexual desire changes across the menstrual cycle differ by relationship status and object of desire*. **Talk** presented at the 30<sup>th</sup> meeting of the Human Behavior and Evolution Society (HBES) in Amsterdam, Netherlands, July 4-7, 2018. Nominated for New Investigator Award, lost.

**Arslan, R. C.**, Wagner, G. G., & Hertwig, R. *What can we learn from one simple question? Reconciling cognitive scientists with self reports by treating them as a task*. **Invited talk** presented at the University of Basel, October 11, 2018.

**Arslan, R. C.** (2018). *Why do we differ in intelligence?* **Invited talk** presented in the Department of Psychology, Ludwig Maximilian University of Munich, February 1, 2018.

Hill, W. D., **Arslan, R. C.**, Xia, C., Luciano, M., Amador, C., Navarro, P., ... Penke, L. (2017). *Genomische Analysen von Familiendaten erschließen weitere genetische Varianz in*

*Intelligenz und Persönlichkeit [Contribution of rare genetic variants to intelligence and personality revealed by genomic analysis of family data].* **Talk** presented at the 14<sup>th</sup> Fachgruppentagung Diagnostik, Differentielle und Persönlichkeitspsychologie der Deutschen Gesellschaft für Psychologie in Munich, September 4-6, 2017.

Penke, L., **Arslan, R. C.**, & Gerlach, T. M. (2017). *Zykluseffekte auf sexuelle Anziehung und Sexualverhalten bei Frauen innerhalb und außerhalb von Partnerschaften: Eine präregistrierte Tagebuchstudie. [Ovulatory cycle changes in female sexual desire and behaviour in a large pre-registered study].* **Talk** presented at the 14<sup>th</sup> Fachgruppentagung Diagnostik, Differentielle und Persönlichkeitspsychologie der Deutschen Gesellschaft für Psychologie in Munich, September 4-6, 2017.

**Arslan, R. C.**, Schilling, K., Gerlach, T. M., & Penke, L. (2017). *Ovulatory cycle shifts in female extra- and in-pair sexual desire in two large pre-registered studies.* **Talk** presented at the 29<sup>th</sup> meeting of the Human Behavior and Evolution Society (HBES) in Boise, Idaho, June 4-7, 2017. Part of a symposium I chaired on *Robust Patterns in Ovulation Research*.

Hill, W. D., **Arslan, R. C.**, Xia, C., Luciano, M., Amador, C., Navarro, P., ... Penke, L. (2017). *Contribution of rare genetic variants to intelligence and personality revealed by genomic analysis of family data.* **Talk** presented at the 13<sup>th</sup> meeting of the European Human Behaviour and Evolution Association (EHBEA) in Paris, April 4-8, 2017.

**Arslan, R. C.**, Stopfer J. M., Dufner, M., Bürkner, P.-C., Hutteman, R., Geukes, K., Kүfner, A. C. P., Nestler, S., Denissen J. J. A., Back, M., & Penke, L. (2016). *Intelligence is not sexy and probably not an important genetic fitness indicator.* **Talk** presented at the 18<sup>th</sup> European Conference on Personality in Timisoara, Romania, July 19-23, 2016.

**Arslan, R. C.**, Schilling, K., Gerlach, T. M., & Penke, L. (2017). *Ovulatory cycle shifts in female extra- and in-pair sexual desire but not behavior in a large pre-registered study.* **Talk** presented at the 12<sup>th</sup> meeting of the European Human Behaviour and Evolution Association (EHBEA) in London, April 4-8, 2016.

**Arslan, R. C.**, Willführ, K. P., Frans, E., Myrskylä, M., Almqvist, C., & Penke, L. *Paternal age as an indicator of new mutations: Children of older fathers have lower evolutionary fitness, but not lower intelligence.* **Talk** presented at the annual conference of the International Society for Intelligence Research (ISIR), Albuquerque, NM, USA, September 18–20, 2015.

**Arslan, R. C.**, & Penke, L. (2014). Using paternal age to tap the effect of de novo genetic mutations on intelligence. **Talk** presented at the 49<sup>th</sup> congress of the Deutschen Gesellschaft für Psychologie, Bochum, DE, September 21-25, 2014.

**Arslan, R. C.**, & Penke, L. (2014). Using paternal age to tap the effect of de novo mutations on fitness, intelligence and personality. **Talk** presented at the 17<sup>th</sup> European Conference of Personality (ECP), Lausanne, CH, July 15-19, 2014.

**Arslan, R. C.** (2013). Using the formr survey framework to conduct longitudinal, diary and experience sampling studies online. **Invited talk** presented at the 4<sup>th</sup> meeting of the Perdev network (Münster, November 15-17, 2013).

**Arslan, R. C.**, Penke, L., Johnson, W., Iacono, W., & McGue, M. (2013). *Das Alter des Vaters als Indikator für schädliche Neumutationen im Zusammenhang mit Intelligenz und Persönlichkeit der Kinder [The father's age as an indicator of deleterious de novo mutations in association with intelligence and personality]*. **Talk** presented at the 12<sup>th</sup> Fachgruppentagung Diagnostik, Differentielle und Persönlichkeitspsychologie der Deutschen Gesellschaft für Psychologie (Greifswald, September 23-25, 2013).

#### *Posters as First Author (3)*

**Arslan, R. C.**, Stopfer J. M., Dufner, M., Bürkner, P.-C., Hutteman, R., Geukes, K., Kүfner, A. C. P., Nestler, S., Denissen J. J. A., Back, M., & Penke, L. (2016). *Intelligence is not sexy and probably not an important genetic fitness indicator*. **Poster** presented at the 50<sup>th</sup> Kongress der Deutschen Gesellschaft für Psychologie (DGPs) in Leipzig, DE, September 18-22, 2016.

**Arslan, R. C.**, Willführ, K., Frans, E., Almqvist, C. *Children of older fathers had lower evolutionary fitness in several historical populations and modern Sweden*. **Poster** presented at The Human Mutation Rate Meeting, MPI for Evolutionary Anthropology, Leipzig, February 25-27, 2015.

**Arslan, R. C.**, Willführ, K.P., & Penke, L. Paternal age effects on offspring survival and fertility as indicators of the strength of purifying selection in early Québec and Krummhörn populations. **Poster** presented at the 10<sup>th</sup> meeting of the European Human Behaviour and Evolution Association (EHBEA) in Bristol, April 4-9, 2014.

## *Preregistrations*

*All my major new research on new data is preregistered to combat publication bias.*

Schild, C., **Arslan, R. C.**, Lilleholt, L., & Zettler, I. (2020, March 22). Incentives and intergroup variance in a representative panel study. Retrieved from [osf.io/djevbn](https://osf.io/djevbn)

Schleifenbaum, L., Penke, L., Gerlach, T. M., Stern, J., **Arslan, R. C.**, Wieczorek, L. L., & Driebe, J. C. (2019, October 25). Men's awareness of women's ovulatory cycle shifts and mate retention. Retrieved from [osf.io/p2ghv](https://osf.io/p2ghv)

Schleifenbaum, L., Penke, L., Gerlach, T. M., Stern, J., **Arslan, R. C.**, Wieczorek, L. L., & Driebe, J. C. (2019, October 25). Hormone-linked shifts in female motivational priorities. Retrieved from [osf.io/6jvpq](https://osf.io/6jvpq)

**Arslan, R. C.**, Jünger, J., Gerlach, T. M., Ostner, J., & Penke, L. (2016, June 1). Online diary study of ovulatory cycle shifts on sexual desire, sexual activity, and mating behaviour. Open Science Framework. Retrieved from [osf.io/73jha](https://osf.io/73jha)

**Arslan, R. C.**, Hannapel, T., Hecker, E. M., & Gerlach, T. M. (2015, February 14). Mate choice. Open Science Framework. Retrieved from [osf.io/u4ypk](https://osf.io/u4ypk)

**Arslan, R. C.**, Hillebrand, C., Specht, J., Grochowski, P., Stopfer, J. M., & Penke, L. (2014, May 26). Male intelligence – thin slices and their impact on romantic and sexual attraction. Open Science Framework. Retrieved from [osf.io/he5wy](https://osf.io/he5wy)

**Arslan, R. C.**, Schilling, K. M., Straus, H., Gerlach, T. M., & Penke, L. (2014, March 19). Cycle shifts and pill dosage effects. Open Science Framework. Retrieved from [osf.io/98w3h](https://osf.io/98w3h)

## **Outreach, advocacy**

*I outspokenly advocate open science and reproducibility. In addition to my blog and social media activity, I have consulted, written and talked about these topics in numerous fora.*

March 8, 2018. **Invited talk:** Bad Science vs. Open Science. The replication crisis and possible reforms. Psychologische Hochschule Berlin.

January 15, 2018. **Invited talk:** Bad Science vs. Open Science. The replication crisis and possible reforms. Department of Psychology, University of Copenhagen.

November 14, 2017. Participated in a workshop on "Agile research and development" set up by the Stifterverband to help chart their open science agenda with players from research, industry and government.

September 22, 2017. **Invited talk:** Bad Science vs. Open Science, opening an open science workshop with (among others) Ulrich Dirnagl, Chris Gorgolewski. Free University, Berlin.

July 14, 2017. Interviewed on Open Science during the Reconnect meetup for German scholars returning from abroad, Berlin.

July 4, 2017. **Invited talk:** Bad Science vs. Open Science. University of Greifswald.

June, 2017. Organized a series of talks and workshops on Open Science and improving statistical methods with Stuart Ritchie, Anne Scheel, Daniel Lakens, and Paul-Christian Bürkner at the University of Goettingen.

April 7, 2017. Consultation with Dr. Jan Brosse (Project Area Economics, Joachim Herz Stiftung) on charting the foundation's future requirements in open access and open data.

March 24, 2017. Consultation with Dr. Meyer-Guckel (deputy secretary general, Stifterverband) on charting the foundation's open science agenda, interviewed by Sebastian Horndasch (program manager, Stifterverband). The interview was published in *Merton magazine* and on the media platform *Anchor*.

March 20, 2017. 3½ Fragen an Ruben Arslan. Zeit Chancen Brief. A short, written interview on *reproducible reports* in a weekly newsletter sent to academics.

March 10, 2017. Took part in a three-person podium discussion on Open Science at Wikimedia in Berlin (public closing event of the "Free Knowledge" fellowship).

March 1, 2017. Talk: Bad Science vs. Open Science. Open Science Meetup Göttingen.

December 11, 2017. Talk: Bad Science vs. Open Science. Open Science Workshop in Göttingen for German National Academic Foundation scholarship holders.

December 1, 2017. Talk: Bad Science vs. Open Science. Bier und Brezeln (an outreach talk series for biology and psychology students).

## *Media*

My research has been covered by a variety of national and international media, including radio broadcasts (e.g., Deutschlandfunk Wissen, Nova), as well as print and online media (e.g., CNN News Online, Science Magazine, Time Magazine, Cosmopolitan, Quartz.com, Neue Zürcher Zeitung, Die Welt, New Scientist, U.S. News, Psychology Today, Slate, N-TV).

A fuller, but not complete overview of (social) media response to my work can be found at <https://impactstory.org/u/0000-0002-6670-5658/timeline>

## **Ad-hoc Reviewer** (see also [Publons](#))

Proceedings of the Royal Society B: Biological Sciences, Psychological Science, Journal of Personality and Social Psychology, Perspectives on Psychological Science, European Journal of Personality, Judgment and Decision Making, Behavioral Research Methods, British Journal of Psychology, Evolution and Human Behavior, PeerJ, Journal of Genetic Psychology, European Journal of Neuroscience, PLoS ONE, Proceedings of the Royal Society Open Science, Zeitschrift für Psychologie, Personal Relationships

## **Skills**

### *Software*

Statistical environments: Proficient in R. Basic knowledge of Stan, Mplus, SPSS, Stata.

Programming languages: Proficient in R, PHP, JavaScript. Basic knowledge of Python.

Packages and frameworks: Proficient with tidyverse, brms, lme4, future. Basic knowledge of Meteor, Node, d3.

Other technologies: Proficient with Git and Github, MongoDB, MySQL, openCPU, Microsoft Office, Mac OS X, basic knowledge of Ubuntu, Debian and Scientific Linux (Torque, Slurm)

### *Languages*

German (native), English (fluent), Swedish (proficient), French (proficient).



**Teaching** (see also Workshops)

*B.Sc. seminars*

Summer 2021	Three parallel seminars: Personality, genetics, causal inference.
Summer 2017	Three seminars: Causality in research on personality development, Intelligence research, Ability and personality diagnostics
Summer 2016	Four seminars: 3 x Ability and personality diagnostics, Causality in research on personality development
Summer 2015	Two seminars: Personality development
Summer 2014	Two seminars: Ability and personality diagnostics; Intelligence and personality, mortality and fertility.

*B. Sc. lecture*

Summer 2021	Lectures on personality, intelligence, and genetics (four sessions).
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