Julia Bahnmüller
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Education

2016–today	Advanced training program in **dyscalculia/dyslexia therapy** in compliance with the guidelines of the Bundesverband Legasthenie & Dyskalkulie e.V.
2013–2018	**PhD** in Psychology / Dr. rer. nat. at University of Tübingen, Department of Psychology
2007–2012	**Diploma** in Psychology (equivalent to MSc) at University of Tübingen; Compulsory optional subject: Computer Science

Research Experience

2019	**Visiting Researcher**, Mathematics Education Centre, Loughborough University, Loughborough, UK
2018	**Visiting Researcher**, Mathematics Education Centre, Loughborough University, Loughborough, UK & Department of Psychology, University of York
2018	**Visiting Researcher**, Department of Psychology, Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, Brazil
2017–today	**Affiliate** at the LEAD Graduate School and Research Network, Tübingen
2017–today	**Postdoc Researcher** at Leibniz-Institut für Wissensmedien
2013–2016	**Affiliate** at the Science Campus "Bildung in Informationsumwelten", Tübingen
2013–2017	**PhD student** at the University of Tübingen, Department of Psychology, and the Leibniz-Institut für Wissensmedien, Tübingen
2011–2012	**Interdisciplinary class for advanced studies** on language and cognition at the Forum Scientiarum, University of Tübingen
2011	**Research internship** at the Department of Psychology, University of York, UK

Academic Functions

Organization of a total of seven international conferences in Tübingen and Hanover since 2013 focusing on a variety of different aspects in numerical cognition

Ad hoc reviewer for, e.g., British Journal of Psychology – Developmental Psychology – Human Brain Mapping – Journal of Experimental Child Psychology – Journal of Experimental Psychology: Learning, Memory, & Cognition – Learning Disabilities Research & Practice – Mathematical Thinking & Learning - Psychological Research– Quarterly Journal of Experimental Psychology

Post-doc spokesperson & person of trust for PhD students at the Leibniz-Institut für Wissensmedien

Third-Party Funding

Bahnmueller, J. & Richter, J. (2018-2019): Project funding "The influence of signaling on numerical-linguistic conflicts in basic numerical processing", competitive funding within the SAW funded "Cognitive Conflict Postdoc Network" at Leibniz-Institut für Wissensmedien, joint proposal (5.292 EUR)

10 Most Relevant Publications

Bahnmueller, J., Göbel, S. M., Pixner, S., Dresen, V., & Moeller, K. (in press). More than simple facts: cross-linguistic differences in place-value processing in numerical fact retrieval. *Psychological Research*.

Bahnmueller, J., Maier, C. A., Göbel, S. M., & Moeller, K. (in press). Direct evidence for linguistic influences in two-digit number processing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Bahnmueller, J., Nuerk, H.-C., & Moeller, K. (2018). A taxonomy proposal for types of interactions of language and place-value processing in multi-digit numbers. *Frontiers in Developmental Psychology, 9*:1024.

Bloechle, J., Huber, S., Klein, E., **Bahnmueller, J.**, Moeller, K., & Rennig, J. (2018). Neuro-cognitive mechanisms of global Gestalt perception in visual quantification. *Neuroimage*.

Bahnmueller, J., Huber, S., Nuerk, H.-C., Göbel, S. M., & Moeller, K. (2016). Processing multi-digit numbers - A translingual eye tracking study. *Psychological Research, 80*, 422-433. doi: 10.1007/s00426-015-0729-y

Bloechle, J., Huber, S., **Bahnmueller, J.**, Rennig, J., Willmes, K., Cavdaroglu, S., Moeller, K., & Klein, E. (2016). Fact learning in complex arithmetic - The role of the angular gyrus revisited. *Human Brain Mapping, 37*, 3061-3079. doi: 10.1002/hbm.232261

Bahnmueller, J., Moeller, K., Mann, A., & Nuerk, H.-C. (2015). On the limits of language influences on numerical cognition - No inversion effects in three-digit number magnitude processing in adults. *Frontiers in Psychology*, 6:1216. doi: 10.3389/fpsyg.2015.01216

Huber, S., **Bahnmueller, J.**, Klein, E., & Moeller, K. (2015). Testing a model of componential processing of multi-symbol numbers - Evidence from measurement units. *Psychonomic Bulletin & Review, 22*, 1417-1423. doi: 10.3758/s13423-015-0805-8

Bahnmueller, J., Dresler, T., Ehlis, A., Cress, U. & Nuerk, H.-C., (2014). NIRS in motion - Unraveling the neurocognitive underpinnings of embodied numerical cognition. *Frontiers in Psychology*, 5:743. doi:10.3389/fpsyg.2014.00743

Klein, E.*, **Bahnmueller, J.***, Mann, A., Pixner, S., Kaufmann, L., Nuerk, H.-C., & Moeller, K. (2013). Language influences on numerical development - Inversion effects on multi-digit number processing. *Frontiers in Psychology*, 4:480. doi:10.3389/fpsyg.2013.00480

Teaching / Supervisor Experience

Practical courses (BSc, 6-9 ECTS): Personality Diagnostics, Intelligence Diagnostics as well as Diagnostics of Learning Disabilities, Experimental Design & Scientific Writing

Research seminar & project (BSc, 6 ECTS & 12 ECTS*)*: Behavioral and Neuronal Underpinnings of Learning Disabilities

Co-Supervision of multiple Bachelor/Master Theses (Meresina Blaschka, Kim-Laura Doege, Hanna Granz, Magdalena Helm, Martin Keuler, Jiahuan Liu, Joshua Schmid, Lisa Schreiber, Marieke Scheerbarth, Katharina Schmoll)