

Dr. Tobias W. Meissner

Curriculum Vitae

Education

- 11.2015 – 07.2020 **Dr. rer. nat. (PhD equivalent)**
Faculty for Psychology, Ruhr University Bochum
Supervisor: Prof. Sarah Weigelt & Prof. Nikolai Axmacher
Thesis: Development of scene processing in human high-level visual cortex,
<https://doi.org/10.13154/294-7541>
- 10.2013 – 09.2015 **Master of Science in Psychology and Cognitive Neuroscience**
Ruhr University Bochum
- 10.2010 – 08.2013 **Bachelor of Science in Psychology**
Ruhr University Bochum
- 08.2000 – 06.2009 **Abitur, German general higher education entrance qualification**
Städt. Gymnasium Heißen, Mülheim/Ruhr

Work experience

- 01.2021 – today **Clinical Psychologist**
Department of Psychiatry, Evangelische Kliniken Gelsenkirchen
- 10.2018 – today **Research Fellow**
Department of Vision, visual impairment & blindness, Faculty for
Rehabilitation Sciences, TU Dortmund University (*Prof. Sarah Weigelt*)
- 11.2019 – 12.2019 **Visiting PhD student researcher**
Bangor University, Bangor, Wales, UK, School of Psychology (*Prof. Kami
Koldewyn*)
- 02.2018 – 05.2018 **Visiting PhD student researcher**
Yale University, New Haven, CT, USA, Department of Psychology (*Prof.
Nicholas Turk-Browne*)
- 11.2015 – 09.2018 **Research Fellow**
Developmental Neuropsychology lab, Faculty for Psychology, Ruhr University
Bochum (*Prof. Sarah Weigelt*)
- 10.2013 – 10.2015 **Student Research Assistant**
Developmental Neuropsychology lab, Faculty for Psychology, Ruhr University
Bochum (*Prof. Sarah Weigelt*)
- 08.2014 – 10.2014 **Clinical Internship**
Neurological Therapy Center, Department of Clinical Neuropsychology,
Cologne (*Dipl.-Psych. Thomas Hütte*)

- 08.2012 – 09.2013 **Student Research Assistant**
Emmy Noether Research Group "Neuronal Mechanisms of Action Control",
Institute for Cognitive Neuroscience, Faculty for Psychology, Ruhr University
Bochum (*Prof. Christian Beste*)
- 02.2011 – 12.2012 **Student Research Assistant**
Institute for Medical Ethics and History of Medicine, Faculty for Medicine,
Ruhr University Bochum (*Prof. Jochen Vollmann*)
- 03.2012 – 08.2012 **Research Internship**
Emmy Noether Research Group "Neuronal Mechanisms of Action Control",
Institute for Cognitive Neuroscience, Faculty for Psychology, Ruhr University
Bochum (*Prof. Christian Beste*)
- 08.2011 – 10.2011 **Clinical Internship**
LVR Teaching Hospital University Essen, Department for Addictive Behavior
and Addiction Medicine, Psychological Service, Essen (*Dipl.-Psych. Julia Grove*)
- 09.2009 – 08.2010 **Voluntary Year of Social Service**
Canoeing Club Mülheim/Ruhr, Public agency: Sports Youth North Rhine-
Westphalia, Activity: coaching, canoeing for schools, organization and
supervision of training camps and competitions

Teaching experience

- 04.2020 – 09.2020 **Seminar "Cerebral visual impairments 2"**
Undergraduate level, TU Dortmund
- 04.2017 – 09.2018 **Seminar "Acquiring sense of direction data from children using a
questionnaire and behavioral tasks"**
Graduate level, Ruhr University Bochum
- 12.2014 – 03.2015 **Tutor for Seminar "Applied data analysis using R"**
Undergraduate & graduate level, Ruhr University Bochum
- 10.2014 – 03.2015 **Seminar "Learning"**
Undergraduate level, Ruhr University Bochum

Supervisory experience

- 12.2020 **1st Bachelor thesis supervisor**
Twice: 12.2020, 07.2016
- 03.2019 **1st Master thesis supervisor**
Three times: 03.2019, 03.2019, 10.2018
- 07.2016 **2nd Bachelor thesis supervisor**
Once: 07.2016
- 05.2017 – 08.2017 **Host and supervisor for DAAD RISE Germany intern**

Academic Engagement (ongoing)

- ongoing Selection committee member of the German Academic Scholarship Foundation
- ongoing Ad-hoc reviewer for: Child Neuropsychology, Neuroimage

Achievements and Awards

- 12.2016 – 11.2019 **PhD Scholarship**
Konrad-Adenauer-Foundation
- 07.2016 – 07.2019 **Internationalizing Grant**
Research School PLUS International Realization Budget, Ruhr University Bochum
- 03.2014 – today **Online Scholarship**
e-fellows.net network
- 05.2015 **Best Poster Award**
Synapsium 2015 - Donders Cognitive Neuroscience Master Symposium, Nijmegen
- 11.2013 – 09.2015 **Student Scholarship**
German Academic Scholarship Foundation

Publications

- Preprint Meissner, T. W., Genç, E., Mädler, B., & Weigelt, S. (2019). Myelin development in visual scene-network tracts beyond late childhood: A multimethod neuroimaging study. bioRxiv. <https://doi.org/10.1101/662809>
- 01.2021 Meissner, T. W., Genç, E., Mädler, B., & Weigelt, S. (2021). Myelin development in visual scene-network tracts beyond late childhood: A multimethod neuroimaging study. Cortex, <https://doi.org/10.1016/j.cortex.2020.12.016> [IF: 4.01]
- 08.2020 Meissner, T. W., Walbrin, J., Nordt, M., Koldewyn, K., Weigelt, S. (2020). Head motion during fMRI tasks is reduced in children and adults if participants take breaks. Developmental Cognitive Neuroscience, 44,100803, <https://doi.org/10.1016/j.dcn.2020.100803> [IF: 4.97]
- 05.2019 Meissner, T.W., Nordt, M., Weigelt, S. (2019). Prolonged functional development of the parahippocampal place area and occipital place area. NeuroImage, 191, 104-115. <https://doi.org/10.1016/j.neuroimage.2019.02.025>
- 06.2018 Meissner, T. W., Prüfer, H., Nordt, M., Semmelmann, K., & Weigelt, S. (2018). Development of face detection in preschool children. International Journal of Behavioral Development, 42(4), 439-444. <https://doi.org/10.1177/0165025417738058>

- 05.2017 [Meissner, T. W.](#), Friedrich, P., Ocklenburg, S., Genç, E., & Weigelt, S. (2017). Tracking the Functional Development of the Corpus Callosum in Children Using Behavioral and Evoked Potential Interhemispheric Transfer Times. *Developmental Neuropsychology*, 42(3), 172–186. <https://doi.org/10.1080/87565641.2017.1315582>
- 06.2016 Semmelmann, K., Nordt, M., Sommer, K., Röhnke, R., Mount, L., Prüfer, H., Terwiel, S.; [Meissner, T. W.](#); Koldewyn, K.; Weigelt, S. (2016). U Can Touch This: How Tablets Can Be Used to Study Cognitive Development. *Frontiers in Psychology*, 7, 1021. <https://doi.org/10.3389/fpsyg.2016.01021>
- 09.2013 Beste, C., Yildiz, A., [Meissner, T. W.](#), & Wolf, O. T. (2013). Stress improves task processing efficiency in dual-tasks. *Behavioural Brain Research*, 252, 260–265. <https://doi.org/10.1016/j.bbr.2013.06.013>

Conference contributions

- 09.2019 **Poster**
[Meissner TW](#), Weigelt S. Multimethod evidence for a prolonged development of the visual scene network. Flux Congress, New York City, NY, USA, 30.08.-01.09.2019
- 06.2019 **Poster**
Meissner TW, Genç E, Weigelt S. Structural and functional connectivity in the emerging scene processing network. Organization for Human Brain Mapping Annual Meeting, Rome, Italy, 9.-13.06.2019
- 11.2017 **Poster**
Meissner TW, Weigelt S. Higher responsiveness to familiar scenes in the retrosplenial cortex develops in late childhood. Society for Neuroscience Annual Meeting, Washington, DC, USA, 11.-15.11.2017
- 05.2017 **Poster**
Meissner TW, Nordt M, Weigelt S. Exploring the neural foundation of scene recognition development from middle childhood to adulthood. Vision Sciences Society 17th Meeting, St. Pete Beach, FL, 19.-24.5.2017
- 05.2016 **Poster**
Meissner TW, Genç E, Friedrich P, Weigelt S. Tracking children's corpus callosum development using evoked potential interhemispheric transfer time. 42th Meeting "Psychologie und Gehirn", Berlin, 26.-28.5.2016
- 05.2015 **Poster**
Meissner TW, Genç E, Weigelt S. Development of Interhemispheric Integration in Elementary School Children – an ERP Pilot Study. Synapsium 2015 - Donders Cognitive Neuroscience Master Symposium, Nijmegen, 21.05.2015 (best poster award)
- 09.2014 **Poster**
Weiland RF, Nordt M, Sommer K, Meissner TW, Semmelmann K, Weigelt S. Are cars suitable as control stimuli in face recognition tasks? 49th Congress of the German Psychological Society, Bochum, 21.-25.09.2014

05.2013

Poster

Meissner TW, Yildiz A, Wolf OT, Beste C. Akuter Stress verbessert Multitasking-Leistung. 39th Meeting "Psychology and Brain", Würzburg, 30.5.-01.6.2013

Invited talks

11.2019

Bangor University, School of Psychology: How do design fMRI study procedures that minimize head motion: Recommendations for children and adults

11.2019

Bangor University, Neuroimaging Centre: Development of scene-selective areas: Evidence from fMRI and myelin water imaging

04.2018

Yale University, School of Medicine, Child Study Center: Collecting preferential looking time data from infants at home using consumer-grade webcams

02.2018

Yale University, Department of Psychology: Development of scene-selective cortex from middle childhood to adulthood

01.2016

Universität Potsdam, Department of Psychology: Detecting grid cells in children using fMRI