

# CURRICULUM VITAE

## Dr. Timo Torsten Schmidt

Born 18.01.1984 in Oettingen i.Bay., Germany

### Work address:

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## Employment

- |                   |   |
|-------------------|---|
| since 04/2018     | Postdoctoral Researcher, Neurocomputation and Neuroimaging Unit, Prof. Dr. Felix Blankenburg, Freie Universität Berlin                              |
| 11/2015 – 02/2018 | Predoctoral Researcher, Work group cognitive psychology, Dr. Axel Kohler, Dr. Uwe Frieze, Institut für Kognitionswissenschaft, Universtät Osnabrück |
| 10/2012 – 09/2015 | Doctoral student, Bernstein Center for Computational Neuroscience Berlin, Prof. Dr. Felix Blankenburg   |
| 2011 – 09/2012    | Predoctoral Guestresearcher, Center for Adaptive Rationality, Dr. Ralph Hertwig, Max-Planck-Institute for Human Development, Berlin, Germany        |

## Education

- |         |   |
|---------|---|
| 02/2018 | PhD (summa cum laude) Psychology, Freie Universität Berlin  |
| 10/2011 | Master of Science Medical Neuroscience,<br>International Graduate Program Medical Neurosciences,<br>NeuroCure Cluster of Excellence, Charité Universitätsmedizin Berlin |
| 2009    | Bachelor of Science in Cognitive Science (with distinction), Institute of Cognitive Science, Universität Osnabrück  |

## Stipends

2012 - 2015	PhD Stipend for 3 years (ca. € 48.000) of GRK1589: Sensory computation in neural systems, Bernstein Center for Computational Neuroscience, Berlin
2009 - 2011	Stipend of NeuroCure cluster of excellence, Berliner Charité for 1.5 years (ca. € 9.000, performance based), Master in Medical Neuroscience

## Funding / Awards

2019 / 2020	Institutional funding of Freie Universität (€ 1.500 / € 750) for participant money and external services
2019	Project funding of Sonnenfeld Stiftung Berlin (€ 2.560) Study: „Neural correlates of flicker light induced altered states of consciousness“
2017	Teaching award of the Institute of Cognitive Science (€ 1.000) for the best teaching evaluations, Universität Osnabrück
2015	Teaching award of the Institute of Cognitive Science (€ 500) for excellent teaching evaluations, Universität Osnabrück
2017 - 2018	Fellowship of the Wikimedia Open Science Fellow program (€ 5.000) for the project „The Altered States Database“
2014 - 2017	Project costs for fMRI scanning and participant money (ca. € 20.000) from the budget of the GRK1589: Sensory computation in neural systems
2015	Abstract Merit Award of the Organization for Human Brain Mapping (OHBM) (USD 2.000) for: “PFC maintains abstract quantitative but not spatial tactile stimulus features during working memory”
2011	Stipend (€ 1.000) of the Network for European Neuroscience Schools (NENS) for “Training Stay” with Prof. Dr. Panagis, University of Crete, Greece

## Membership in Scientific Organisation

- Organization for Human Brain Mapping (OHBM)
- Society for Neuroscience (SfN)
- Deutsche Neurowissenschaftliche Gesellschaft (NWG)
- Association for the Scientific Study of Consciousness (ASSC)

## Akademische Selbstverwaltung

seit 2020	Mitglied der Kommission zur Vergabe des Marie-Schlei-Preises zur Förderung der Frauen- und Geschlechterforschung, Freie Universität Berlin
seit 2020	Mitglied einer Arbeitsgruppe zum Strategieprozess <i>Studium und Lehre 2030. Zukunft gemeinsam gestalten</i> , Freie Universität Berlin
seit 2020	Mitglied der Berufungskommission W1-Professur für Arbeits- und Organisationspsychologie, Freie Universität Berlin
2020	Mitglied der Habilitationskommission Dr. Ulf Tölch im Fach Psychologie, Freie Universität Berlin
2019	Mitglied der Berufungskommission W2-Professur für Allgemeine Psychologie Freie Universität Berlin
2019	Evaluation von PhD Bewerbungen <i>Berlin school of Mind and Brain</i> , Humboldt Universität Berlin
seit 2019	Mitglied der Gemeinsamen Kommission der Fachbereiche Informatik/Mathematik und Psychologie des Data Science Master Programms, Freie Universität Berlin
seit 2019	Mitglied Prüfungsausschuss
seit 2018	Mitglied Zulassungskommission <i>MSc Social Cognitive and Affective Neuroscience</i> , Freie Universität Berlin
2016	Mitglied der Kommission zur Erarbeitung einer Promotionsordnung zur Vergabe des Titels „Dr. rer. nat.“ am Fachbereich Erziehungswissenschaften und Psychologie, Freie Universität Berlin
2013 - 2015	Mitglied Steering Committee (Student representative) der Graduiertenschule <i>GRK 1589/1 und 1589/2: Sensory Computation in Neural Systems</i> Bernstein Center for Computational Neuroscience Berlin

## Organisation und Beiträge zur Infrastruktur

seit 2018	Social Media und Communication Manager: <a href="#">Twitter</a> , <a href="#">Website</a> , <a href="#">Image Video</a> <i>Center for Cognitive Neuroscience Berlin, Freie Universität Berlin</i>
seit 2018	Koordinator des Colloquiums <i>Center for Cognitive Neuroscience Berlin, Freie Universität Berlin</i>
2019	Konferenzorganisator <a href="#">10-jähriges Jubiläum (2-tägiges Event) des Center for Cognitive Neuroscience</a> Reception, Science slam, Art exhibit, Gästekoordination, Festlichkeiten
2017	Konferenzorganisator <a href="#">#Drugscience2017 Konferenz</a> , Charité Berlin Pre-conference workshops, Speaker Koordination, Session Chair, Finanzen

## Teaching experiences

**Summary:** ~120 ECTS (=60 Semesterwochenstunden)

### Lectures

2019(W.S), 2020(W.S) Lecture (4 ECTS): Cognitive Neuroscience BI  
MSc Social Cognitive and Affective Neuroscience, Freie Universität Berlin

2020(SS) Lecture (4 ECTS): Cognitive Neuroscience BII  
MSc Social Cognitive and Affective Neuroscience, Freie Universität Berlin

2015(W.S), 2016(W.S) Lecture (4 ECTS): fMRI data analysis and study design  
BSc / MSc Cognitive Science, Universität Osnabrück

### Seminars

2019(W.S) Seminar (4 ECTS):  
Consciousness: Experimental study and neural correlates  
BSc Psychologie, Freie Universität Berlin

2018 (W.S) Seminar (1 ECTS) Research methods  
BSc Psychologie, Freie Universität Berlin

2017(W.S) Blockseminar (4 ECTS): fMRI data analysis and study design  
BSc / MSc Cognitive Science, Universität Osnabrück

2016(W.S) Seminar (4 ECTS): Phenomenoconnectomics  
BSc / MSc Cognitive Science, Universität Osnabrück

2016(SS), 2017(SS) Seminar (4 ECTS): The neuroscientific study of Altered States of Consciousness  
MSc Cognitive Science, Universität Osnabrück

2013(W.S), 2014(W.S),  
2015(W.S) Seminar (3 ECTS – 20%): Introduction to MATLAB  
MSc / PhD Medical Neuroscience, Humboldt Graduate School, Berlin

2011(SS), 2012(SS),  
2013(SS), 2015(SS),  
2016(W.S) Blockseminar (8 ECTS – 50%): Methods in "wet" neurosciences  
BSc / MSc Cognitive Science, Universität Osnabrück

2010 (W.S), 2011 (SS) Seminar (2 ECTS): Reading Club: Drugs and Addiction I/II  
MSc Medical Neuroscience, Humboldt Graduate School, Berlin

## Laborpraktika und Studienprojekte

2014(W.S), 2018(W.S)	EXPRA (4 ECTS): <u>Experimental practical - part 1</u> BSc Psychologie, Freie Universität Berlin
2014(SS), 2015(SS), 2018(SS), 2019 (SS) 2020(SS)	EXPRA (4 ECTS): <u>Experimental practical - part 2</u> BSc Psychologie, Freie Universität Berlin
2017(W.S)	Study Project (12 ECTS – 50%): <u>Cognitive Psychology of Mass Communication</u> MSc Cognitive Science, Universität Osnabrück
2017(SS)	Study Project (12 ECTS – 50%): <u>How does it feel to be on...?</u> MSc Cognitive Science, Universität Osnabrück
2015(W.S), 2016(SS)	Study Project (12 ECTS – 50%): <u>ABCD - Advancing Big Consciousness Data</u> MSc Cognitive Science, Universität Osnabrück

## Selected Outreach Activities

10/2019	Science Slam: Organization, coaching and performance Neuro-Art Exhibition: Exhibit of paintings and prints in cooperation with <i>The Neuro Bureau</i> , video installation, Light installation During the <i>10-year jubilee of the CCNBs</i> , Freie Universität Berlin
06/2018	Long night of science presentation: „Wie fühlt sich ein LSD Trip an?“
06/2017	Long night of science fMRT guided tours and demonstration
11/2016	Visit of pupils, Bernstein Center for Computational Neuroscience, Berlin, presentation: “Perception and illusions“ for pupils of the 12th grade
09/2016	Children University, Freie Universität Berlin Presentation, demonstrations and games for kids of the 2nd - 4th grade
06/2016	Long night of science presentation: “Wahrnehmung und Illusionen“ EEG live demonstration
03/2016	Brain Awareness Week, Humboldt Graduate School, Berlin Workshop about the brain and illusions for pre-school kids

## Supervision of theses

**Summary:** 13 Bachelor theses; 11 Master theses; 22 Internships/Laborrotations

### Bachelor / Master Arbeiten

	Tobias Merzig	BSc Psychology, FU Berlin (Primary Supervision)
	Vincent Clement	MSc Neuroscience, Universidad Peruana Cayetano Heredia, Peru
<b>2020</b>	Till Holzapfel	BSc Cognitive Science, Universität Osnabrück (Primary Supervision)
	Marie Surga	BSc Psychology, FU Berlin (Primary Supervision)
	Marianna Schmidt	BSc Psychology, FU Berlin (Primary Supervision)
<b>2019</b>	Tan Ge	MSc Mind and Brain, Mind and Brain School Berlin (Co-Supervision)
	Antonin Fourcade	MSc SCAN, FU Berlin (Secondary Supervision)
	Ian Pennock	MSc Cognitive Science, Universität Osnabrück (Primary Supervision)
	Tallulah Jansen	BSc Cognitive Science, Universität Osnabrück (Primary Supervision)
	Marie Bartossek	BSc Psychology, FU Berlin (Primary Supervision)
	Larissa Hartmann	BSc Psychology, FU Berlin (Primary Supervision)
	Dilara Zorbek	BSc Psychology, FU Berlin (Primary Supervision)
<b>2018</b>	Katharina Dworatzky	MSc Cognitive Science, Universität Osnabrück (Primary Supervision)
	Ann-Sophie Schwade	BSc Cognitive Science, Universität Osnabrück (Primary Supervision)
	Wanja Foris	BSc Cognitive Science, Universität Osnabrück (Secondary Supervision)
<b>2017</b>	Ann Xavier	MSc Cognitive Science, Universität Osnabrück (Primary Supervision)
	Julia Prein	BSc Cognitive Science, Universität Osnabrück (Primary Supervision)
	Lara Knaup	BSc Cognitive Science, Universität Osnabrück (Primary Supervision)
	Jelena Renner	BSc Cognitive Science, Universität Osnabrück (Secondary Supervision)
<b>2016</b>	Nisha Jagannathan	MSc Cognitive Science, Universität Osnabrück (Co-Supervision)
	Michal Ljubljanac	MSc Cognitive Science, Universität Osnabrück (Co-Supervision)
	Pia Schröder	MSc Cogn. and Clin. Neuroscience, Maastricht University (Co-Supervision)
<b>2015</b>	Yuan-Hao Wu	MSc SCAN, FU Berlin (Secondary Supervision)
	Lisa Velenosi	MSc SCAN, FU Berlin (Secondary Supervision)

### Internships / Labrotations

<b>2020</b>	Adu Matory	(3 month internship)		
<b>2019</b>	Larry Fort	(2 month internship)		
<b>2018</b>	Tan Ge	(2 month labrotation)		
	Pablo Nino Reinhardt	(3 month internship)		
	Ian Pennock	(40h labrotation)		
<b>2017</b>	Öykü Bulca	(40h labrotation)		
	Lesley-Ann Mathis	(40h labrotation)		
<b>2016</b>	Ahmad Dawud	(40h labrotation)	Lorenzo Semeia	(40h labrotation)
	Alexa-Nicole Sliby	(40h labrotation)	Anastasia Mukhina	(40h labrotation)
	Auss Abbood	(40h labrotation)	Catharina Schinschke	(40h labrotation)
	Felix Blind	(40h labrotation)	Kristina Baumgart	(40h labrotation)
	Masha Khaleghi	(40h labrotation)	Mina Bakharzi	(40h labrotation)
	Mohamad Baghery	40h labrotation)	Natalia Bradwayn	(40h labrotation)
	Paola Suarez Ramirez	(40h labrotation)		
<b>2014</b>	Janto Oellrich	(2 month internship)		

# PUBLICATION LIST

## Summary

- 24 publications in international journals with peer-review, thereof 13 First-author publications (3 shared)
- 2 book chapter
- > 30 Conference abstracts
- Publication metrics according to Google Scholar 12/2020: 507 Zitationen, h-Index: 11, i10-index: 13

## Journal Articles (in preparation)

34. **Schmidt TT**, Schmidt M, Tagliazucchi E, Nierhaus T (in prep) *Effects of pharmacologically and non-pharmacologically induced altered states of consciousness on Cortico-Striato-Thalamo-Cortical circuitries.*
33. **Schmidt TT**, Kemmerer J, Bartossek MT, Nierhaus T (in prep) *Modulation of Thalamo-Cortical connectivity by flicker light stimulation.*
32. Polito V, Hartmann L, **Schmidt TT** (in prep) *The subjective experiences of hypnosis assessed with standardized retrospective questionnaires.*
31. **Schmidt TT**, Dworatzky K, Ljubljanc M, Cerednicenco A, et al. (in prep) *Quantifying the phenomenology of altered states of consciousness.*
30. Wozniak M\*, **Schmidt TT\***, Wu YH, Blankenburg F, Hohwy J (in prep) *Differences in cortical working memory coding of biological motion of oneself and others.*

## Peer-reviewed Journal Articles (in review / under revision)

29. Dworatzky K\*, Jansen T\*, **Schmidt TT** (in resubmission) *Phenomenological assessment of hallucinogen induced experiences: Translation and Validation of the German Challenging Experience Questionnaire (CEQ) and Ego Dissolution Inventory (EDI).*
28. Majić T, Sauter M, Bermpohl F, **Schmidt TT** (in revision) *Connected to the spirit of the frog: An internet-based survey on the subjective effects of Kambo, the secretion from phyllomedusa bicolor.* Journal of Psychopharmacology
27. Bartossek MT, Kemmerer J, **Schmidt TT** (in resubmission) *Altered state phenomena induced by visual flicker stimulation.* The Neuroscience of Consciousness. PREPRINT: <https://psyarxiv.com/825nc/>
26. Hirschfeld T, **Schmidt TT** (in revision) *How it feels to be on Psilocybin: Dose-response relationships of phenomenological states in humans.* Journal of Psychopharmacology. PREPRINT: <https://www.biorxiv.org/content/10.1101/2020.06.09.142802v1.full>
25. Pennock IML\*, **Schmidt TT\***, Zorbek D, Blankenburg F (in revision) *Representation of visual numerosity information during working memory in humans: An fMRI decoding study.* Human Brain Mapping.

## Peer-reviewed Journal Articles

### 2020

24. **Schmidt TT**, Reiche S, Hage CLC, Bermpohl F, Majić T (2020) *Acute and subacute psychoactive effects of Kambo, the secretion of the Amazonian Giant Maki Frog (Phyllomedusa bicolor): retrospective reports.* Scientific Reports 10:21544.
22. **Schmidt TT**, Schröder P, Reinhardt P, Blankenburg F (2020): *Rehearsal of tactile working memory: Premotor cortex recruits two dissociable neural content representations.* Human Brain Mapping.
21. Velenosi LA, Wu YH, **Schmidt TT**, Blankenburg F (2020) *Intraparietal sulcus maintains working memory representations of somatosensory categories in an adaptive, context-dependent manner.* NeuroImage.
20. Uluc I, Velenosi LA, **Schmidt TT**, Blankenburg F (2020) *Parametric representation of tactile numerosity stimuli in working memory.* eNeuro 9-January 2020

## 2019

19. Schröder P, **Schmidt TT**, Blankenburg F (2019) *Neural basis of somatosensory target detection independent of uncertainty, relevance, and reports*. *Elife* 8 pii: e43410.
18. **Schmidt TT**, Blankenburg F (2019): *The somatotopy of tactile mental imagery*. *Frontiers in Human Neuroscience*. 13:10.
17. **Schmidt TT\***, McCormick Miller N\*, Blankenburg F, Pulvermüller F (2019) *Neural correlates of label facilitated tactile perception*. *Scientific Reports*. 9(1):1606.
16. **Schmidt TT**, Prein JC (2019) *The Ganzfeld experiences - A stably inducible altered state of consciousness: Effects of different auditory homogenizations*. *PsyCh* 8(1):66-81.

## 2018

15. Uluc I, **Schmidt TT**, Wu YH, Blankenburg F (2018) Content-specific codes of parametric auditory working memory in humans. *NeuroImage*. 183:254-262.
14. **Schmidt TT**, Berkemeyer H (2018) *The Altered States Database: Psychometric data on altered states of consciousness*. *Frontiers in Psychology*. 9:1028.
13. **Schmidt TT**, Blankenburg F (2018) *Brain regions that retain the spatial layout of tactile stimuli during working memory – A ‘tactospacial sketchpad’?* *NeuroImage* 178:531-539.

## 2017

12. McCormick Miller N\*, **Schmidt TT\***, Blankenburg F, Pulvermüller F (2017) *Verbal labels facilitate tactile perception*. *Cognition* 171:172-179.
11. Wu, YH\*, Uluc I\*, **Schmidt TT**, Tertel K, Kirilina E, Blankenburg F (2017): *Overlapping frontoparietal networks for tactile and visual parametric working memory representations*. *NeuroImage* 166:325-334.
10. **Schmidt TT**, Wu YH, Blankenburg F (2017): *Content-specific codes of parametric vibrotactile working memory in humans*. *Journal of Neuroscience* 37(40):9771-9777.
9. Majić T, Jungaberle H, **Schmidt TT**, Zeuch A, Hermle L, Gallinat J (2017): *Psychotherapie mit adjuvanter Gabe von serotonergen psychoaktiven Substanzen – Möglichkeiten und Hindernisse / Psychotherapy with an adjuvant use of serotonergic psychoactive substances – possibilities and challenges*. *Fortschr Neurol Psychiatr* 85(07):383-392.

## 2016

8. Stuke H, Gutwinski S, Wiers C, **Schmidt TT**, Gröpper S, Parnack J, Gawron C, Hindi Attar C, Spengler S, Walter H, Heinz A, Berman F (2016): *To drink or not to drink: Harmful drinking is associated with hyperactivation of reward areas rather than hypoactivation of control areas in men*. *Journal of Psychiatry and Neuroscience* 41(3):E24-36.

## 2015

7. Majić T\*, **Schmidt TT\***, Gallinat J (2015): *Peak experiences and the after-glow phenomenon: When and how do therapeutic effects of hallucinogens depend on psychedelic experiences?* *Journal of Psychopharmacology* (3):1-13

## 2014

6. **Schmidt TT**, Ostwald D, Blankenburg F (2014): *Imaging tactile imagery: Changes in brain connectivity support perceptual grounding of mental images in primary sensory cortices*. *NeuroImage* 98:216-224

## 2013

5. Rea E, Rummel J, **Schmidt TT**, Hadar R, Heinz A, Mathe AA, Winter C (2013): *Anti-anhedonic effect of deep brain stimulation of the prefrontal cortex and the dopaminergic reward system in a genetic rat model of depression: An intracranial self-stimulation paradigm study*. *Brain Stimulation* 7(1):21-28
4. Spitzer B, Gloel M, **Schmidt TT**, Blankenburg F (2013): *Working memory coding of analog stimulus properties in the human prefrontal cortex*. *Cerebral Cortex*, 24(8):2229-2236

## 2012

3. **Schmidt TT**, Rea E, Klein J, Panagis G, Winter C (2012): *Enhanced reward-facilitating effects of d-amphetamine in rats in the quinpirole model of obsessive-compulsive disorder*. *Int J Neuropsychopharmacol*, 16(5):1083-91
2. Klein J, Hadar R, Männer A, Eberhardt C, Baldassarri J, **Schmidt TT**, Kupsch A, Heinz A, Morgenstern R, Schneider M, Weiner I, Winter C (2012) *Mapping brain regions in which deep brain stimulation affects schizophrenia-like behavior in two rat models of schizophrenia*. *Brain Stimulation*, 6(4):490-499
1. Ostwald D, Spitzer B, Guggenmos M, **Schmidt TT**, Kiebel S, Blankenburg F (2012) *Evidence for neural encoding of Bayesian surprise in human somatosensation*. *NeuroImage*, 62(1): 177-88



## Book chapter

2. Schmidt TT, Majić T (2016): *Empirische Untersuchung veränderter Bewusstseinszustände: Definition, Quantifizierung und Forschungsperspektiven*. Handbuch Psychoaktiver Substanzen, Springer Verlag
1. Majić T, Schmidt TT, Hermle L (2016): *Flashbacks und anhaltende Wahrnehmungsstörungen nach Einnahme von serotonergen Halluzinogenen*. Handbuch Psychoaktiver Substanzen, Springer Verlag

## Open Data

I was able to realize a database project in cooperation with Cognitive Science MSc students, and participation in a open science fellowship program of Wikimedia. The *Altered States Database* comprises psychometric data (extracted from MEDLINE-listed journal articles) on the subjective experience of altered states of consciousness, induced by diverse induction methods (e.g. yoga, meditation, LSD, cannabis etc.) N=315 data sets; N=2168 data points; N=52 induction methods).

Website: [www.asdb.info](http://www.asdb.info) (Traffic: >90.000 visitors, >200.000 visits)

Data available on OSF: Schmidt TT (2017), <https://osf.io/8mbru/>, doi 10.17605/OSF.IO/8MBRU

## Invited Talks

### 2020

14. Schmidt TT (2020-04-25): fMRI studies on non-pharmacologically induced altered states of consciousness: A comparison of Ganzfeld and Visual Flicker induced states, ICPR conference, Haarlem, Netherlands.
13. Schmidt TT (2020-02-06): fMRI resting-state studies of altered states of consciousness, Humboldt Universität Berlin, Berlin School of Mind and Brain, Cognition in neurological disorders group, Berlin.
12. Schmidt TT (2020-01-09): Wie fühlt sich ein LSD-Trip an? Oder: Die systematische Untersuchung veränderter Bewusstseinszustände, Neujahrsempfang „Wissenschaft für Alle“, Max Planck Institut für Infektionsbiologie, Berlin.

### 2019

11. Schmidt TT (2019-09-08): *Neuronal correlates of flicker induced altered states of consciousness*, 2<sup>nd</sup> Congress Light Attendance GmbH, Innsbruck, Austria.
10. Schmidt TT (2019-08-26): *Tactile mental representations*, Einstein-Zirkel bod-y-motion, Universität der Künste (UdK), Berlin.
9. Schmidt TT (2019-06-26): *Hallucinations with decreased thalamo-cortical coupling: The multimodal Ganzfeld-induced altered state of consciousness*, 23. Meeting of the Association of the Scientific Study of Consciousness (ASSC), London Ontario, Canada.
8. Schmidt TT (2019-04-11): *The maintenance of tactile mental representations during working memory and mental imagery*. Institut für Psychologie, Universität Wien, Austria.
7. Schmidt TT (2019-03-19): *Attentional refreshing (aka 'rehearsal') of tactile working memory*. Mind Brain Body Symposium (MBB2019), Berlin, Germany.
6. Schmidt TT (2019-03-14): *Experimentell veränderte Bewusstseinszustände: Neuronale Korrelate und Bezug zu Psychopathologien*. Institut für Grenzgebiete der Psychologie und Psychohygiene (IGPP), Freiburg, Germany.

### 2018

5. Schmidt TT (2019-06-02): *Common structures of altered states experiences*, Paradigm Lost Symposium, Amsterdam Psychedelic Research Association, Amsterdam, Netherlands.

### 2017

4. Schmidt TT (2019-11-07): *Tactile fMRI decoding studies inspire a predictive coding model of working memory*. Max Planck Institute for Human Cognition and Neuroscience, Leipzig, Germany.
3. Schmidt TT (2019-09-08): *Phenomenoconnectomics*. #DrugScience2017 Conference, Charité, Berlin, Germany.
2. Schmidt TT (2019-07-01): *Phenomenoconnectomics and the Altered States Database*. Breaking Convention Conference, Oxford University, London, UK.

### 2015

1. Schmidt TT (2019-06-04): *Phenomenoconnectomics: Big data on altered states of consciousness*. Interdisciplinary Conference for Psychedelic Research 2016, Amsterdam, Netherlands.

## Conference Abstracts

### 2020

34. Hirschfeld T, **Schmidt TT** (2020) *How it feels to be on: Psilocybin, LSD, DMT*, International conference on psychedelic research (ICPR), Amsterdam, Netherlands (online)

### 2019

33. **Schmidt TT**, Jagannathan N, Ljubljanac M, Xavier A, Nierhaus T (2019) *Hallucinations with decreased thalamo-cortical coupling: The multimodal Ganzfeld-induced altered state of consciousness*, 23. Meeting of the Association of the Scientific Study of Consciousness (ASSC), London Ontario, Canada.
32. **Schmidt TT**, Schröder P, Reinhardt P, Blankenburg F (2019) *Rehearsal of tactile working memory*, OHBM2019, Rome, Italy.

### 2018

31. Schröder PK, **Schmidt TT**, Blankenburg F (2018) *From local interactions to frontoparietal networks: model-based fMRI dissociates somatosensory awareness from perceptual uncertainty, response selection, and motor planning*. Psychologie und Gehirn 2018, Gießen, Germany.
30. Schröder PK, **Schmidt TT**, Blankenburg F (2018) *From local interactions to frontoparietal networks: model-based fMRI dissociates somatosensory awareness from perceptual uncertainty, response selection, and motor planning*. ASSC 2018, Krakau, Poland.
29. Schröder PK, **Schmidt TT**, Blankenburg F (2018) *Neural basis of target detection: dissociating somatosensory awareness from perceptual uncertainty, response selection, and motor planning*. SAMBA 2018, Salzburg, Austria.
28. Uluc I, **Schmidt TT**, Wu YH, Blankenburg F (2018) *Frequency-Specific Codes of Auditory Working Memory in Humans*, SAMBA 2018, Salzburg, Austria.
27. Velenosi LA, Wu YH, **Schmidt TT**, Blankenburg F (2018) *fMRI decoding of working memory representations of individual and grouped tactile stimuli*, SAMBA 2018, Salzburg, Austria.
26. Velenosi LA, Wu YH, **Schmidt TT**, Blankenburg F (2018) *Decoding working memory representations of individual and grouped tactile stimuli*, OHBM 2018, Singapore.
25. **Schmidt TT**, Blankenburg F (2018) *The tactospatial sketchpad*, OHBM 2018, Singapore.

### 2017

24. Jagannathan N, Ljubljanac M, Nierhaus T, **Schmidt TT** (2017) *The Ganzfeld experience: Characterizing multimodal integration failure using resting-state fMRI*, Neuroscience 2017, Washington, USA.
23. Schwartz J, Scott R, Kebiri H, Hayden DJ, Agyei D, Gutknecht A, **Schmidt TT** (2017) *How does it feel to be on Salvinorin A?*, #DrugScience2017, Charité Berlin, Germany.
22. Gutknecht A, Nierhaus L, Beering F, **Schmidt TT** (2017) *Meta-analyses of dose-response relationships using the Altered States Database*, #DrugScience2017, Charité Berlin, Germany.
21. Mukhina A, Schreiber F, Schrupf J, Ortlieb M, Prien M, Berkemeyer H, **Schmidt TT** (2017) *The Altered States Database – communicating DrugScience to the public*. #DrugScience2017, Charité Berlin, Germany.
20. Ziegler F, Räuher M, Radovic T, **Schmidt TT** (2017) *Altered states of consciousness as an experimental tool for neuroscience*. #DrugScience2017, Charité Berlin, Germany.
19. Ljubljanac M, Jagannathan N, Xavier A, Nierhaus T, **Schmidt TT** (2017) *The Ganzfeld experience: A non-pharmacologically induced altered state of consciousness investigated with fMRI*. #DrugScience2017, Charité Berlin, Germany
18. Dworzatyk K, Jansen T, **Schmidt TT** (2017) *Translation and Validation of the German Ego-Dissolution Inventory (EDI) and the German Challenging Experience Questionnaire (CEQ)*. #DrugScience2017, Charité Berlin, Germany.
17. **Schmidt TT**, Blankenburg F (2017) *Maintenance of sensory and abstract Information in the somatosensory modality – A predictive coding account of working memory*. OCCAM, Osnabrück, Germany.
16. Schröder PK, **Schmidt TT**, Blankenburg F (2017) *Recurrent processing supports perceptual awareness: An fMRI study on somatosensory target detection*. OHBM: Organization of Human Brain Mapping, Vancouver, Canada.
15. Wu YH, Uluc I, **Schmidt TT**, Blankenburg F (2017) *A common frontoparietal network for tactile and visual parametric working memory representations*. OHBM: Organization of Human Brain Mapping, Vancouver, Canada.
14. **Schmidt TT** (2017) *Identifying common structures of altered states experiences by meta-analysis of questionnaire data*. 21<sup>st</sup> annual meeting of the Association for the Scientific Study of Consciousness (ASSC): Beijing, China.
13. McCormick Miller N, **Schmidt TT**, Blankenburg F, Pulvermüller F (2017) *Language facilitates tactile discrimination*. CNS: Cognitive Neuroscience Society, San Francisco, USA.

### 2016

12. **Schmidt TT** (2016): *Phenomenoconnectomics*. Neuroscience 2016 - SfN, San Diego, USA.
11. **Schmidt TT**, Blankenburg F (2016): *The left premotor cortex is involved in the updating of pictorial and abstract working memory*. OHBM: Organization of Human Brain Mapping, Geneva, Switzerland.

10. Garita Figueiredo R, Berkemeyer H, Dworatzky K, **Schmidt TT** (2016): *Building a unifying database to enable flexible meta-analyses of data on altered states of consciousness*. ICPR: Interdisciplinary Conference on Psychedelic Research, Amsterdam, Netherlands.
9. Jagannathan N, Räuker M, Vargas C, **Schmidt TT** (2016): *Taxonomization of Experimental Induction Methods for Altered States of Consciousness*. ICPR: Interdisciplinary Conference on Psychedelic Research, Amsterdam, Netherlands.
8. Velenosi LA\*, **Schmidt TT\***, Blankenburg F (2016): *Neural representations of spatial layout across mental transformation – a tactile fMRI study*. CNS: Cognitive Neuroscience Society, New York, USA.
7. McCormick Miller T\*, **Schmidt TT\***, Blankenburg F, Pulvermüller F (2016): *Language facilitates tactile perception*. CNS: Cognitive Neuroscience Society, New York, USA.

## 2015 und früher

6. **Schmidt TT**, Wu Y.H., Blankenburg F (2015): *PFC maintains abstract quantitative but not spatial tactile stimulus features during working memory*. Annual Meeting of the Organization for Human Brain Mapping (OHBM 2015), Honolulu, Hawaii, USA
5. **Schmidt TT**, Wu Y.H., Blankenburg F (2015): *The somatotopy of mental tactile images*. Berlin Brain Days (BBD 2015), Berlin, Germany.
4. **Schmidt TT**, Wu Y.H., Blankenburg F (2015): *The somatotopy of mental tactile images*. Cognitive Neuroscience Society (CNS 2015), New York, USA.
3. Rea E, Rummel J, **Schmidt TT**, Heinz A, Mathe AA, Winter C (2014): *Deep brain stimulation of the prefrontal cortex decreases depression-like behavior in a genetic rat model of depression*. SOBP
2. **Schmidt TT**, Ostwald D, Blankenburg F (2014): *Imaging tactile imagery*. OHBM: Organization for Human Brain Mapping, Seattle, USA.
1. **Schmidt TT**, Klein J, Panagis G, Winter C (2013): *The influence of Dopaminergic Dysregulations on Brain Stimulation Reward*. SFN: Society for Neuroscience, Washington, USA.

## Conference Workshops

### 2019

4. **Schmidt TT** (2019) **3h Tutorial**: *The empirical study of altered states of consciousness: Common standards in the psychometric assessment of subjective experiences*. 23<sup>rd</sup> Annual meeting of the Association for the Scientific Study of Consciousness (ASSC): London, Ontario, Canada.

### 2018

3. **Schmidt TT** (2018) **3h Tutorial**: *The empirical study of altered states of consciousness: Common standards in the psychometric assessment of subjective experiences*. 22<sup>nd</sup> Annual meeting of the Association for the Scientific Study of Consciousness (ASSC): Krakow, Poland.

### 2017

2. **Schmidt TT** (2017) **3h Workshop**: *The empirical study of altered states of consciousness: Common standards in the psychometric assessment of subjective experiences*. #DrugScience2017, Charité, Berlin, Germany
1. **Schmidt TT** (2017) **3h Tutorial**: *The empirical study of altered states of consciousness: Common standards in the psychometric assessment of subjective experiences*. 21<sup>st</sup> Annual meeting of the Association for the Scientific Study of Consciousness (ASSC): Beijing, China.