

André Schulz, PhD, Associate Professor

Curriculum Vitae

Personal

Name: André Schulz
Academic degrees: ADR (PhD habilitation equivalent)
Dr. rer. nat. (PhD)
Dipl.-Psych. (MSc equivalent)
Family status: married
Children: three



Higher Education

12/2014 *Full authorization to manage research and to supervise PhD students*
 (“*autorisation à diriger des recherches*”; equiv. to PhD habilitation degree; limited for initial 5 years, unlimited since 2017)

12/2009 *Completion of PhD* (Dr. rer. nat./Grade: Summa cum laude – 0.0)
Title of PhD thesis: “Cardiac modulation of startle eye blink – a pre-attentive method to assess interoceptive and baro-afferent neural traffic”.
Supervisors: Prof. Dr. Hartmut Schächinger, Dr. Ewald Naumann

04/2007-12/2009 *Graduate studies in Psychobiology*, International Research Training Group „Psychoneuroendocrinology of Stress“, University of Trier

10/2002-03/2007 *Studies in Psychology* (Dipl.-Psych.), University of Trier (Diplom grade: 1.3)

Professional Experience

Since 01/2023 *Associate Professor in Psychology, Head of Laboratory and Head of Research Group*
Research Group “Brain-Body Interaction” and “Clinical Psychophysiology Laboratory” (CLIPSLAB), Department of Behavioural and Cognitive Sciences, University of Luxembourg

01/2020-12/2022 *Assistant Professor in Psychology and Head of Laboratory*
Research Group “Self-Regulation and Health” and “Clinical Psychophysiology Laboratory” (CLIPSLAB), Department of Behavioural and Cognitive Sciences, University of Luxembourg

09/2014-12/2019 *Research Scientist (“Adjoint de recherche”) and Lab Manager*
Research Group “Self-Regulation and Health” and “Clinical Psychophysiology Laboratory” (CLIPSLAB), Research Unit INSIDE, University of Luxembourg

07/2012-08/2014 *Postdoctoral Research Fellow (“Assistant-chercheur”) and Lab Manager*
Research Group “Self-Regulation and Health” and “Clinical Psychophysiology Laboratory” (CLIPSLAB), Research Unit INSIDE, University of Luxembourg

- 01/2009-06/2012 *Research Associate*
 Institute of Psychobiology, Division of Clinical Physiology, University of Trier
- 04/2007-12/2008 *Stipendiary* of the German Research Foundation (Deutsche Forschungsgemeinschaft: DFG), International Research Training Group “Psychoneuroendocrinology of Stress: From Molecules and Genes to Affect and Cognition“, GRK 1389/1, Trier (D) – Leiden (NL)

Grants (as Principal Investigator/Supervisor)

- 2026-2030 *Project grant “Deploying a mobile interoceptive training app to reduce somatic symptom distress”* (DEPLOY: no. 19516752), CORE scheme, funded by the Fonds National de la Recherche Luxembourg, Role: PI (2 FTE; € 760.000,-)
- 2025 *Competitive Scientific Equipment Fund* of the University of Luxembourg for mobile EEG equipment (approx. € 90.000,-)
- 2022-2026 *Project grant “Shared Underlying Mechanisms of Long-Covid and Chronic Fatigue Syndrome - A psychoneuroendocrinological and psychoimmunological perspective”* (SUMCO), Young Academics scheme, by candidate Nina Buntic, funded by the Institute for Advanced Studies, University of Luxembourg, Role: PI/Supervisor (approx. € 190.000,-)
- 2021-2026 *Project grant “Interoception of bodily sensations across organ domains and its relevance for somatic symptoms”* (INBODY: no. 14638184), INTER scheme, collaborative project with Nathalie Weltens/Andreas von Leupoldt (Catholic University of Leuven), co-funded by the Research Foundation Flanders and the Fonds National de la Recherche Luxembourg, Role: PI (1 FTE; € 261.000,- for the University of Luxembourg; total funding granted: € 754.520,-)
- 2018-2024 *AFR PhD grant “Stress effects on interoceptive learning and memory as mechanism of somatic symptom generation”* (INMEMO, no. 12534400), by candidate Ruta Müller, funded by the Fonds National de la Recherche Luxembourg, Role: PI/Supervisor (approx. € 178.000,-)
- 2017-2024 *Project grant “Interoception and chronic stress”* (INSTRESS), funded by the Research Office of the University of Luxembourg, Role: PI (1 FTE; € 190.000,-)
- 2015-2018 *Project grant “Interoception in medically unexplained symptoms”* (INMEDEX), funded by funded by the Research Office of the University of Luxembourg, Role: PI (1 FTE; € 174.000,-)
- 2010-2011 *Project grant “Modulation of startle response by visceral stress through filling of the urinary bladder“*, funded by the Research Fonds of the University of Trier, Role: PI (€ 4.000,-)

Grants (as Co-Investigator/Supervisor)

- 2023-2027 *FWO PhD grant “Gastric interoception: Towards an improved understanding of interoceptive processes within and across organ domains in healthy individuals and patients with functional dyspepsia”* (no. 11PLQ24N), by candidate Tabea Eimer, PI: Andreas von Leupoldt, funded by the Fonds Wetenschappelijk Onderzoek – Vlaanderen, Role: Co-Supervisor (approx. € 210.000,-)
- 2022-2025 *AFR PhD grant “Video game effects on stress levels and the moderating role of personality factors”* (VGESP, no. 14567098), by candidate Gary Wagener, PI:

André Melzer, funded by the Fonds National de la Recherche Luxembourg, Role: Co-Supervisor (approx. € 190.000,-)

- 2021-2024 *Project grant “Cognitive Modulation of Pain in Aging – Impact of Stress and Executive Functions – a Psychophysiological Approach”* (PAGES: no. 14672835), CORE scheme, collaborative project with Angelika Dierolf (PI), Marian Van der Meulen, Wolfgang Miltner and Claus Vögele, funded by the Fonds National de la Recherche Luxembourg, Role: Co-Investigator (1 FTE; € 422.000,-)
- 2020-2024 *EU Horizon 2020 Grant “Systems approach of urban environments and health”* (SURREAL; no. 956780), Marie Curie Innovative Training Networks, Call H2020-MSCA-ITN-2020, funded by the European Commission, Role: Co-Investigator (approx. € 500.000,-).
- 2015-2018 *AFR PhD grant “Social rejection in early childhood and its effects on stress responses in later life”* (REJECT, no. 9825384) by candidate Violetta Schaan, funded by the Fonds National de la Recherche Luxembourg (Role: Co-Supervisor; approx. € 111.000,-)
- 2011-2013 *University Research Focus “Psychobiology of Stress“*, (Role: Early Career Member, with co-applicants H. Schächinger, E. Naumann, C. Muller, J. Meyer, R. Neumann und C. Frings), funded by the Land Rheinland-Pfalz (overall: € 120.000,-)

Awards

- 2022/2023 *Internal Promotion* from Assistant Professor to Associate Professor at the University of Luxembourg
- 2019/2020 *Internal Promotion* from Research Scientist to Assistant Professor at the University of Luxembourg
- Since 2018 *Research Block Grant in the Merit-Based Funding Scheme* by the Faculty of Humanities, Education and Social Sciences, Role: PI (2018-2019: € 7.000,- per year; 2020-2022: € 8.000,-/year; since 2023: € 9.000,-/year)
- 05/2016 *Young Scientist Publication Award* of the Deutsche Gesellschaft für Psychologie (DGPs) – Fachgruppe Biologische Psychologie und Neuropsychologie (German Society for Psychology, Section Biological Psychology and Neuropsychology) for publication (€ 1.500,-):
Müller, L.E., **Schulz, A.**, Andermann, M., Gabel, A., Gescher, D.M., Spohn, A., Herpertz, S.C. & Bertsch, K. (2015). Cortical Representation of Afferent Bodily Signals in Borderline Personality Disorder: Neural Correlates and Relationship to Emotional Dysregulation. *JAMA Psychiatry*, 72, 1077-1086.
- 11/2010 *Dissertation Prize 2010*, University of Trier (€ 2.000,-)
- 2008-2009 *Scholarship awarded* by the German Research Foundation (Deutsche Forschungsgemeinschaft: DFG) within the International Research Training Group “Psychoneuroendocrinology of Stress“, GRK 1389/1
- 09/2005 *Travel awards* by the Research Funds of the University of Trier

International Research Stays

- 01/2009-06/2012 *Trier, Germany*: Regular Position as Research Associate.

- 04/2007-12/2009 *Trier, Germany and Leiden, The Netherlands*: PhD student of the International Research Training Group “Psychoneuroendocrinology of Stress: From Molecules And Genes To Affect And Cognition” (DFG GRK 1389/1). Regular visits at partner laboratories in Leiden (NL).
- 05/2006-07/2006 *Basle, Switzerland*: Intern and Visiting Researcher at Psychiatric University Clinics Basle, Division of Geriatric Psychiatry, Prof. Dr. Egemen Savaskan.

Management and Self-Administration at the University of Luxembourg

- Since 2024 *Member* of the Ethics Review Panel at the University of Luxembourg
- Since 2020 *Representative* of the Department of Behavioural and Cognitive Sciences in the Faculty Council of FHES (Faculty of Humanities, Education and Social Sciences), University of Luxembourg
- 2016-2023 *Deputy Director* of the Experimental Psychology Laboratories Network (EPSYLON), University of Luxembourg
- 2016-2020 *Representative* of Scientific, Technical and Administrative Staff Members in the Faculty Council of FLSHASE (Faculty of Language and Literature, Humanities, Arts and Education), University of Luxembourg
- Since 2014 *Deputy Representative* of Scientific, Technical and Administrative Staff Members in the directory board of the Research Unit INSIDE, University of Luxembourg

Management and Self-Administration at the University of Trier

- 2008-2012 *Representative* for intermediate academic staff and PhD students in the directory board of the Institute of Psychobiology, University of Trier
- 2007-2009 *Representative* for PhD students in the International Research Training Group „Psychoneuroendocrinology of Stress“ (DFG GRK 1389/1)
- 2004-2005 *Student Member* in the recruitment committee for the Professorship of Social Psychology at the University of Trier
- 2004-2005 *Student Representative* in the Faculty Council of the Fachbereich I at the University of Trier

Editorial Responsibilities

- Since 2021 Associate Editor, *Biological Psychology* (IF 2.9)
- 2020-2022 Guest Editor, *Biological Psychology*, Special Issue “Interoceptive Methods”
- 2019-2025 Editorial Board Member, *Frontiers in Human Neuroscience* (IF: 2.9), section Brain-Computer Interfaces

Membership of Professional Bodies

Deutsche Gesellschaft für Psychophysiologie und deren Anwendung (DGPA)
 Deutsche Gesellschaft für Psychologie (DGPs), Fachgruppen Klinische, Biologische und Gesundheitspsychologie

Deutsche Gesellschaft für Verhaltensmedizin und Verhaltensmodifikation (DGVM)
International Society for Psychoneuroendocrinology (ISPNE)
Society for Psychophysiological Research (SPR)

Ad-hoc Reviewing for International Journals

Acta Psychologica
Anxiety, Stress & Coping
Appetite
Applied Psychophysiology and Biofeedback
Autonomic Neuroscience: Basic and Clinical
Behavioural Brain Research
Behaviour Research and Therapy
Biological Psychiatry
Biological Psychiatry: Cognitive Neuroscience and Neuroimaging
Biological Psychology
BMC Psychology
Brain and Cognition
Brain Imaging and Behavior
Clinical Psychological Review
Clinical Psychology in Europe
Cognition
Cognition and Emotion
Cortex
Frontiers in Psychiatry
Frontiers in Psychology
Human Brain Mapping
International Journal of Behavioral Medicine
International Journal of Clinical and Health Psychology
International Journal of Psychophysiology
iScience
Journal of Affective Disorders
Journal of Applied Biomedicine
Journal of Behavior Therapy and Experimental Psychiatry
Journal of Individual Differences
Journal of Personality Disorders
Journal of Psychiatric Research
Journal of Psychophysiology
Journal of Psychosomatic Research
Nature Communications
Nature Mental Health
NeuroImage
Neuropsychologia
Neuroscience & Biobehavioral Reviews
Perception
Pharmacology Biochemistry & Behavior
Philosophical Transactions of the Royal Society B
Physiology & Behavior
PLOS ONE
Psychiatry Research
Psychological Bulletin

Psychological Medicine
Psychological Reports
Psychological Research
Psychological Review
Psychosomatic Medicine
Psychoneuroendocrinology
Psychophysiology
Respiratory Physiology & Neurobiology
Quarterly Journal of Experimental Psychology
Scientific Reports
Social Cognitive and Affective Neuroscience
Translational Psychiatry
Trends in Cognitive Sciences
Trials
Verhaltenstherapie
Zeitschrift für Gesundheitspsychologie

Ad-hoc Reviewing for International Funding Agencies

Deutsche Forschungsgemeinschaft (DFG)/German Research Fund
European Research Council/European Commission
Fonds National de la Recherche Scientifique (FNRS)/National Fund for Scientific Research
Hungarian Academy of Science
Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO)/Netherlands Organisation for Scientific Research
Österreichische Akademie der Wissenschaften (ÖAW)/Austrian Academy of Sciences
Schweizerischer Nationalfonds (SNF)/Swiss National Fund
UK Economic and Social Research Council
UK Medical Research Council
Wellcome Trust

Professional Training

11/2009-06/2010 Professional Training in *Coaching nach Wirkfaktoren*, ca. 150 h of Training and Supervision, Division of Work Psychology, University of Trier (D)

Public Outreach

„Resilienz in Krisenzeiten“, *Télécran*, Jan 28, 2026
„Signals from within“, *Scientific American*, Jan 2026
„Corona: Darum sollte man eine Infektion immer noch nicht unterschätzen“, *Trierischer Volksfreund*, Oct 18, 2025
„17 Millionen Betroffene – und kaum jemand kennt ME/CFS“, *Journal Luxembourg*, Oct 08, 2025
„Reiß dich zusammen!“: Die Erschöpfung bestimmt seit Corona Nathalie Büchlers Leben, Aug 25, 2025
„Wenn das Virus geht, aber die Erschöpfung bleibt: Forscher untersuchen Chronisches Fatigue-Syndrom“, *Tageblatt Lëtzebuerg*, Jul 21, 2025

„Auf der Suche nach dem Unerklärbaren“, *Revue*

„Warum Patienten als Simulanten abgestempelt werden“, *Luxemburger Wort*, Apr 17, 2024

“Long-Covid”, *De Magazin*, Jan 08, 2024.

„Reine Kopfsache“, *Revue*, Jan 08, 2024.

„An den eigenen Stellschrauben drehen“, *Télécran*, Dec 2023.

„Forscher suchen Ursachen der bleiernden Müdigkeit“, *Luxemburger Wort*, Aug 12, 2023.

„Leierpersonal fir Etud iwwer Stress gesicht“, *RTL Radio Luxembourg*, Mar 25, 2022.

„Lehrkräfte im Dienste der Wissenschaft“, *Luxemburger Wort*, Feb 17, 2022.

„Etued lauschter op dain Haerz“, *RTL Radio Luxembourg*, Marc 23, 2021.

„So beeinflusst Corona das Jahr 2021“, *Tageblatt Lëtzebuerg*, Feb 06, 2021.

„Corona und die Psyche: Probanden für Uni-Studie gesucht“, *Luxemburger Wort*, May 23, 2020.

„Ein einziger (Alb-)Traum“, *Tageblatt Lëtzebuerg*, May 08, 2020.

„Lehrer unter Dampf“, *Tageblatt Lëtzebuerg*, Sept 20, 2019.

„Wenn der Darm chronischen Stress hat, leidet die Psyche“, *Tageblatt Lëtzebuerg*, Sept 07, 2019.

„Sonnenvitamin und Stimmungsmacher“, *Tageblatt Lëtzebuerg*, Mar 16, 2019.

„Darm krank – Psyche krank“, *Luxemburger Wort*, Dec 20, 2018.

„Die Weisheit des Körpers“, *DIE ZEIT* and *ZEIT Doctor*, Nov 08, 2018.

„Gesundheit zu Fuß“, *Tageblatt Lëtzebuerg*, Oct 27, 2018.

„Jeder ist seiner Erholung Schmied“, *Tageblatt Lëtzebuerg*, Sept 01, 2018.

„Mehr als nur Raucherhusten“, *Luxemburger Wort*, Jul 12, 2018.

„Lehrer unter Hochdruck“, *Luxemburger Wort*, Jul 06, 2018.

RTL Radio Luxembourg: Heart-brain communication in cardiac arrest, 18.05.2018.

„Ein Gespräch, das Leben rettet“, *Luxemburger Wort*, May 17, 2018.

„Hochsensible Menschen: Welt ohne Filter“, *Télécran*, Oct 22, 2017.

„Der vermeintlich eingebildete Kranke“, *Luxemburger Wort*, Sept 28, 2017.

„Gehirn and Lunge: – ,bitte melden!““, *Luxemburger Wort*, Dec 15, 2016.

Supervised Postdoctoral Colleagues

<i>Name</i>	<i>Function during supervision</i>	<i>Current position</i>	<i>Scientific output</i>
Dr. Angelika Dierolf	Research Associate in third-party funded project	Research Associate, University of Luxembourg	10 publications
Dr. Vera-Christina Mertens	Research Associate in third-party funded project	Lecturer, Hoogeschool Arnhem and Nijmegen	8 publications

Supervised PhD Students

Past PhD Students

<i>Name</i>	<i>Topic</i>	<i>Year of completion</i>	<i>Institution</i>	<i>Role</i>	<i>Scientific output</i>
Lisa Lai	Modification of cardiac interoception and stress responsiveness by stimulation of the interoceptive brain network	2025	University of Luxembourg	Primary supervisor	2 publications
Gary Wagener*	Video game effects on stress levels and the moderating role of personality factors	2025	University of Luxembourg	Co-supervisor/Chair of defense jury	5 publications
Julie Ortmann*	Interoceptive processing across modalities in disordered eating behaviour	2024	University of Luxembourg	Co-supervisor	2 publications
Mirjam Thomas*	Mental comorbidity, interoception and emotion regulation in chronic pain patients	2023	University of Luxembourg	Co-supervisor	1 publication
Olivier Desmedt	The conceptualization and measurement of interoception	2022	Catholic University of Louvain	Defense jury member	7 publications
Oleksii Domin*	Enhancing physical activity in adolescents using mHealth technology	2022	University of Luxembourg	Co-supervisor	2 publications
Alessandro Decarli*	The role of attachment and parental representations on mental health and wellbeing in adolescents	2019	University of Luxembourg	Co-supervisor	3 publications
Violetta Schaan*	Social rejection in early childhood and its effects on stress responses in later life	2019	University of Luxembourg	Co-supervisor	12 publications
Agnieszka Czeluscinska*	Attentional bias to body- and sexually-relevant stimuli	2019	University of Luxembourg	Co-supervisor	

Dr. Silke Rost*	The role of self-regulatory capacity in the adaptation to pain	2016	University of Luxembourg	Co-supervisor	Psychotherapy training (Luxembourg), 9 publications
Dr. Zoé van Dyck*	The role of external and internal stimuli in the regulation of eating behaviour	2016	University of Luxembourg	Defense jury member	Research Associate (Luxembourg), 12 publications
Dr. Erik Ceunen	Unpleasantness and fear in interoception	2015	Catholic University of Leuven	Defense jury member	Research Associate (Leuven) 8 publications
Dr. Cristina Campillo*	Computer-assisted interventions to improve self-regulation in patients with self-regulatory deficits	2015	University of Luxembourg	Co-supervisor	Psychotherapy training (Barcelona), 1 publication
Dr. Annika Lutz*	Body perception and evaluation in anorexia nervosa	2015	University of Luxembourg	Co-supervisor	Research Associate (Luxembourg), 17 publications

Currently Supervised PhD Students

<i>Name</i>	<i>Topic</i>	<i>Year of registration</i>	<i>Institution</i>	<i>Role</i>	<i>Scientific output</i>
Jim Draux	Interoception across sensory modalities in functional somatic syndromes	2024	Catholic University of Leuven	Co-supervisor	
Anxhela Sulaj*	Interoception of bodily sensations across organ domains and its relevance for somatic symptoms	2024	University of Luxembourg	Primary supervisor	1 publication
Nina Buntic*	Shared Underlying Mechanisms of Long-Covid and Chronic Fatigue Syndrome - A psychoneuroendocrinological and psychoimmunological perspective	2022	University of Luxembourg	Primary supervisor	1 publication
Tabea Eimer*	Interoception of bodily sensations across bodily domains	2021	Catholic University of Leuven	Co-supervisor	1 publication
Ruta Müller*	Stress effects on interoceptive learning and memory as mechanism of somatic symptom generation	2019	University of Luxembourg	Primary supervisor	5 publications
Lena Grabo	Prokrastination und Selbstregulation sowie deren	2018	University of Duisburg-Essen	Co-supervisor	1 publication

	psychobiologischen Korrelate				
Kim Opdensteinen	Interozeption und Stress bei Kleinkindern	2018	University of Trier	Co-supervisor	3 publications
Katharina Gross	Genetische und psychosoziale Faktoren der Hyperhidrose	2015	University of Trier	Co-supervisor	2 publications

* Marked PhD students were supported by third-party funded projects

Supervised Master/Diploma Theses

<i>Name</i>	<i>Topic</i>	<i>Year of completion</i>	<i>Institution</i>
Thurid Rehs	Acute stress effect on gastric interoceptive sensitivity based on the two-stage water load test	On-going	Heinrich Heine University Düsseldorf
Laura Deffoin	The role of physiological stress axes in acute stress effects on gastric interoceptive sensitivity	On-going	University of Luxembourg
Lisa de Cillia	Acute and chronic stress effects on cardiac interoception in chronically-stressed schoolteachers	On-going	University of Luxembourg
Leon Orlik	Do differences in diurnal cortisol levels in the morning vs. afternoon affect increases in interoceptive accuracy due to heartbeat perception training?	On-going	University of Luxembourg
Cassandra Origier	Psychobiological predictors of medically unexplained symptoms: The role of acute and chronic Stress and Interoception	2025	University of Luxembourg
Pierre Schuler	Stress-Modulated Consolidation of Interoceptive Learning: Comparing High and Low Symptom Reporters	2025	University of Luxembourg
Sven Philipsen	No delayed stress effect on cognitive reappraisal ability mediated by cardiac interoceptive accuracy	2025	University of Luxembourg
Simon Schommer	Diastolic advantage in memory for emotional faces: Effects of the cardiac cycle on identity and expression memory, while post-learning stress shows no effect	2025	University of Luxembourg
Liz Pautsch	Validation through replication: Late heartbeat evoked potentials are associated with survival after cardiac arrest	2024	University of Luxembourg
Laura Manns	Effort-reward-imbalance, burnout, and physical pain mediate the relationship between overcommitment and depression in German Emergency Medical Technicians	2024	University of Luxembourg
Tabea Schmidt-Alkadri	Theta-burst stimulation of the interoceptive brain network	2023	University of Luxembourg
Jessica Schrauf	The effect of acute stress on cardiac interoceptive attention	2023	University of Luxembourg
Pauline Bis	Effects of a post-learning cold pressure stress test on interoceptive accuracy in heartbeat perception	2022	University of Luxembourg
Lea Milbert	Attentional bias in Inflammatory Bowel Disease and Irritable Bowel Syndrome - A pilot study	2021	University of Luxembourg
Sam Bernard	Cardiac cycle phases affect auditory-evoked potentials and stimulus processing stages during intensity rating task of acoustic startle stimuli	2020	University of Luxembourg
Sarah Etringer	Cortical representation of gastric and cardiac signals in inflammatory bowel diseases	2020	University of Luxembourg

Jan Hamborg	Frontal alpha asymmetry in high and low habitual symptom reporters	2020	University of Luxembourg
Sina Welsch	Attentional bias towards gastrointestinal symptoms in inflammatory bowel diseases	2020	University of Luxembourg
Lara Schenk	Effects of physiological stress axes reactivity on visceral learning, using a heartbeat perception training	2019	University of Luxembourg
Sarah Back	Physiological determinants of cardiac interoception	2019	University of Luxembourg
Eva Münch	Respiratory modulation of startle as method to reflect visceral-afferent signals from the respiratory system in intensive smokers	2019	University of Luxembourg
Greta Hansen	The impact of stress on cardiac interoception in inflammatory bowel diseases	2019	University of Luxembourg
Björn Nicolay	Evaluating the roles of resilience, stress, coping, and frustration in the anger level and arresting behavior of policewomen and policemen in Luxembourg	2017	University of Luxembourg
Djenna Hutmacher	Reduced P3a in auditory evoked potentials in oddball and distraction procedures in patients with major depression and somatoform disorders	2017	University of Luxembourg
Jean Fischbach	Post-encoding cold pressor stress, after a heartbeat perception training, enhances interoceptive accuracy	2017	University of Luxembourg
Patrick Franzen	Affective-motivational responsiveness to gaming-relevant stimuli in heavy gaming	2017	University of Luxembourg
Tabea Flasinski	Sensing Your Body: Interoceptive Awareness and Medically Unexplained Symptoms	2017	University of Luxembourg
Johanna Dimmig	The interaction of baro-afferent neural signal transmission and attentional networks	2016	University of Luxembourg
Julia Bachmann	The impact of a socially-evaluated cold pressor test on attentional networks	2016	University of Luxembourg
Laura Bastgen	Einfluss einer elterlichen Trennung auf den Bindungsstil, die Zurückweisungssensibilität, und die interozeptive Wahrnehmung des erwachsenen Kindes nach sozialer Zurückweisung	2016	University of Luxembourg
Lis Conter	Do early infantile incidents affect our behaviour? Early stress in childhood and its effects on social behaviour, emotion regulation and body awareness in adulthood.	2016	University of Luxembourg
Martin Wittkamp	Temporal Stability of Interoceptive Accuracy as Estimated by Heartbeat Perception	2016	University of Luxembourg
Laura Schatte	The influence of acute and chronic stress on baro-afferent signal transmission and bodily symptoms	2015	University of Luxembourg
Luca Schaan	Gastrisch-evozierte Potenziale: ein neurophysiologischer Indikator für die kortikale Repräsentation afferenter Signale aus dem gastrointestinalen System	2015	University of Koblenz-Landau
Bettina Reuchlein	Interoceptive Wahrnehmungsfähigkeit bei Patienten mit einem Depersonalisations- Derealisationssyndrom	2014	University of Mainz

Maria Barthmes	Der Einfluss von akutem Stress auf die Präpuls-Inhibition der Schreckreaktion	2013	University of Trier
Nicol Siegmund	Die kardiale Modulation der Schreckreaktion unter akutem autonomen Stress und der Zusammenhang zur Symptomausprägung somatoformer Störungen	2013	University of Trier
Alexandra Gräbener	Die Untersuchung der Baroreflexsensitivität der Herzrate und der Blutdruckvariabilität als Trait- und State-Komponenten	2012	University of Trier
Carolin Ott	Influence of hormonal manipulation on selective attention in food stimuli	2012	University of Trier
Katharina Groß	Psychosozialer Stress und Hyperhidrose	2012	University of Trier
Katharina Schenk	Effekte intranasalen Insulins auf die Intensität und Wahrnehmung gastrischer Aktivität	2011	University of Trier
Nancy Theuer	Der Einfluss von Angst auf die zeitliche Stabilität der Herzratenvariabilität	2011	University of Trier
Thomas Schilling	Influence of Acoustic Startle on the Accordance Rate between a Video Based Eye-Tracking System and the Method of Electrooculography	2011	University of Trier
Wiebke Thelen	Herzratenvariabilität bei komplexen Mehrfachaufgaben	2011	University of Trier

Supervised Bachelor Theses

<i>Name</i>	<i>Topic</i>	<i>Year of completion</i>	<i>Institution</i>
Emily Krauß	From Virtual To Vital? An Experimental Study on Embodied Presence as a Mediator of Stress Relief in VR	2025	University of Luxembourg
Kara Karrenbrock	Chronic stress effects on frontal alpha asymmetry in chronically-stressed schoolteachers	2025	University of Luxembourg
Daniel Myahchev	Predictors of frontal alpha asymmetry in low vs. high habitual symptom reporters	2025	University of Luxembourg
Saskia Schabloswski	Beyond the Tingles: Social vs Non-social ASMR Effects on Mood and Relaxation across the BIG 5	2024	University of Luxembourg
Sirinda Tintinger	Exploring the Relationship Between Chronotype and Interoception	2024	University of Luxembourg
Laurie Henkes	Does the microbiome have an impact on cardiac interoception? An EEG-study.	2024	University of Luxembourg
Tobias Prinz	Hemispheric lateralization and cardiac interoception	2023	University of Luxembourg
Mareike Boos	The association between alexithymia and interoceptive accuracy in healthy university students	2023	University of Luxembourg
Lisa De Cillia	Interoception and smoking	2023	University of Luxembourg
Thurid Rehs	Evaluation eines Neurofeedback-Trainings zur Erhöhung der Aufmerksamkeits- und Konzentrationsleistung bei Tischtennispielern	2023	University of Luxembourg
Lisa Borgmann	The association between awareness of aging, stress and well-being in late adulthood	2023	University of Luxembourg

Marie-Therese Steil	Effects of stress on interoceptive learning and the generation of somatic symptoms	2022	University of Luxembourg
Franziska Wagner	Interoception and stress: does post-learning stress facilitate interoceptive learning?	2022	University of Luxembourg
Antonia Sauder	Der zeitliche Verlauf der Stressreaktion auf einen sozial-evaluativen Stressor und Verknüpfungen mit Indikatoren interozeptiver Signalverarbeitung	2022	University of Luxembourg
Madeleine Le	Validation of a PPG-based mobile application on interoceptive learning and memory Can research go mobile?	2021	University of Luxembourg
Viktoria Hoffmann	Der Einfluss postoperativer akuter ischämischer Mikroläsionen auf die neuropsychologische Leistung nach randomisiert kontrolliertem kognitiven Training bei herzchirurgischen Patienten	2021	University of Luxembourg
Lea Reiter	The potential of interoceptive training approaches for stress reduction	2020	University of Luxembourg
Isabelle Périard	Anterior alpha-asymmetry in somatoform disorders	2019	University of Luxembourg
Maren Weil	Chronic Stress and Acute Autonomic Stress Responses in Somatoform Disorders	2018	University of Trier
Franziska Müller-Rivinius	Der Einfluss frühkindlicher traumatischer Erfahrungen auf die spätere Stressreaktivität, die Erinnerungsleistung und die interrogative Suggestibilität des erwachsenen Kindes.	2017	University of Luxembourg
Jasmin Abou Elnaga	Pulse transit time is associated with cardiac modulation of startle	2017	University of Luxembourg
Johanna Falk	Der Einfluss elterlicher Scheidung im Kindheits- und Jugendalter auf Persönlichkeitsmerkmale, chronischen Stress, depressive Symptomatik, interozeptive Wahrnehmung und Reaktion auf Zurückweisung	2017	University of Luxembourg
Martine Steffen	Der Einfluss einer elterlichen Trennung auf die Herzratenvariabilität und das Bedürfnis nach Zugehörigkeit im Erwachsenenalter	2017	University of Luxembourg
Sarah Back	Der Einfluss frühkindlicher Trennungserfahrungen auf die Zurückweisungssensitivität, das affektive Erleben und die kortikale Repräsentation viszeral-afferenter Informationsverarbeitung nach sozialer Zurückweisung im Erwachsenenalter	2017	University of Luxembourg
Eva Münch	Respiratory modulation of startle: effects on eye blink and subjective intensity	2016	University of Luxembourg
Miriam-Linnea Hale	The Effect of Early Childhood Stress and Social Rejection on Adult Social Affiliation Behavior	2016	University of Luxembourg
Alina Mertgen	Die Rolle von akutem Stress und Kortisol in der Modulation der Schreckreaktion: Eine interozeptive Studie	2015	University of Luxembourg
Katharina Sorgen	Attenuation of startle response while interoceptive attention direction	2015	University of Luxembourg
Patrick Franzen	Effects of affective-motivational states and baro-afferent signal transmission on the startle eye-blink response	2015	University of Luxembourg

Stina Pascolini	Heart rate variability of methadone- and diacetylmorphine (heroin)- maintained opioid addicts	2015	University of Luxembourg
Eva Tierwald	Die Rolle zentraler α_2 -adrenerger Rezeptoren bei psychischen Störungen	2013	University of Trier
Irma Borovac	Der Einfluss von Glukokortikoiden auf die neuronale Signalübermittlung im kardiovaskulären System	2013	University of Trier
Laura Schatte	Die Rolle von alpha2-adrenergen Rezeptoren in der Übermittlung von viszeral-afferenten neuronalen Signalen	2013	University of Trier
Anna Thömmes	Pupillenreaktion als Indikator autonomer Aktivierung im Rahmen eines Schreckreaktionsparadigmas	2013	University of Luxembourg
Anne-Sophie Pelzl	Einfluss von afferenten Signalen der Harnblase auf zentrale Verarbeitungsprozesse	2013	University of Luxembourg
Johanna Marder	Klassische Konditionierung interozeptiver Signale durch exterozeptive Stimuli	2013	University of Luxembourg
Milena Massonne	Einfluss von Stress auf die elektrogastrographische Aktivität	2013	University of Luxembourg
Phillip Röhrig	Reaktionszeiten auf Stimuli im Kontext von Schreckreizpräsentationen	2012	University of Trier
Svenja Treu	Einfluss von Stress und Kortisol auf die selektive Aufmerksamkeit	2012	University of Trier

Current Teaching Activities – University of Luxembourg

PhD Studies/Doctoral School

Since 2017 Research Colloquium “Interoception, Stress and Physical Symptoms”
Scientific Writing for Psychophysicologists

Bachelor in Psychology (academic)/BAP

Since 2012 Psychophysiology A: Concepts and Methods (5th Sem.)
Psychophysiology B: Applications (6th Sem.)

Master in Psychological Intervention/MPI

Since 2014 Health Psychology A: Theories and Models (1st Sem.)
Health Psychology B: Methods and Assessment (2nd Sem.)

Current Teaching Activities – University of Trier

Since 2016 Psychophysiology and Health/Graduate studies

Past Teaching Activities – University of Trier

2012-2016 “Psychophysiologische Methoden” (2 h/w, Psychobiology)

- 2011-2012 “Peer Review Publishing” (2 h/w, International Graduate Center)
- 2011-2012 “Psychophysiologische Labortechniken” (2 h/w, Psychology)
- 2011-2012 “Peripherphysiologische Forschungsmethoden für Forschung und Klinik” (2 h/w, Psychobiology)
- 2010-2011 “Klinische Psychologie: Körperwahrnehmung und Psychosomatische Störungen” (2 h/w, Psychology)
- 2010-2011 “Psychophysiologische Methoden für Forschung und Klinik” (1 h/w, Psychobiology)
- 2010 “Periphere und Klinische Psychophysiologie” (1 h/w, Psychobiology)
- 2009-2010 “Kardiovaskuläre Psychophysiologie” (1 h/w, Psychobiology)
- 2009-2011 “Psychophysiologische Versuchsplanung mit E-Prime” (2 h/w, Psychobiology)
- 2009-2010 “Forschungsmethodik und Evaluation: Psychophysiologische Methoden” (2 h/w, Psychology)
- 2009-2012 “Einführung in die Versuchssteuerungssoftware E-Prime” (2 h/w, International Graduate Center)
- 2008-2009 “Forschungsorientierte Vertiefung: Persönlichkeitsforschung“ (2 h/w, Psychology)
- 2006-2008 “Forschungsorientierte Vertiefung: Gesundheitspsychologie und Psychosomatik“ (2 h/w, Psychology)
- 2006-2009 “Methodisch-technisches Kolloquium Klinische Physiologie” (1 h/w, Psychobiology)
- 2015-2016 “SPSS-Kurs für PsychologInnen” (2 h/w, Psychology)

Other

- 2010 Head of organizational committee „IRTG Summer Symposium of Stress“, Trier, 09/07-10/07/2010.



Esch-sur-Alzette

May 04, 2026

André Schulz – Publication List

Overall publication metrics: 5704 citations, h-index: 40 (Google Scholar)

Articles in International, Peer-Reviewed Journals

1. Schommer, S. P., Drost, L. M., Finke, J. & **Schulz, A.** (in press). Embodied memory for emotional faces: Effects of cardiac cycle phases and post-learning stress on identity and expression memory. *Biological Psychology*
2. Kipping, M., **Schulz, A.** & Pollatos, O. (in press). The magic table: A new method to assess satiation perception and its relevance in stress-induced eating. *Scientific Reports*
3. Müller, R., Vögele, C., Van Diest, I. & **Schulz, A.** (2025). Post-learning stress after a heartbeat perception training facilitates interoceptive accuracy in the heartbeat counting task, but not in the heartbeat discrimination task. *Biological Psychology*, 202, 109172.
4. **Schulz, A.**, Bellingrath, S., Lutz, A., Drost, L. M. & Vögele, C. (2025). Acute stress enhances heartbeat-evoked potentials, but does not affect cardiac interoceptive accuracy. *Psychophysiology*, 62, e70194.
5. Lai, L., Bergmann, T. O., Vögele, C., Cimino, J., Salles, D., Van der Meulen, M., Schmidt, T. & **Schulz, A.** (2025). Effects of theta burst stimulation on the interoceptive brain network and cardiac interoception. *Brain Research*, 1868, 149996.
6. Irigoras Izagirre, N., Palmer, R., **Schulz, A.**, Canaipa, R., de Lima-Araujo, G. L., Maeda, S., Millon, E., Plans, D., Treister, R., Williams, I. & Murphy, J. (2026). Investigating the relationship between cardiac interoceptive accuracy and stress: A systematic review and meta-analysis. *Neuroscience and Biobehavioural Reviews*, 180, 106454.
7. **Schulz, A.**, Bellingrath, S., Lutz, A., Kumsta, R. & Vögele, C. (2025). Acute and chronic stress effects on cardiac interoceptive accuracy and heartbeat-evoked potentials in chronically-stressed schoolteachers. *Psychoneuroendocrinology*, 181, 107574.
8. Drost, L. M., **Schulz, A.**, Möck, A. & Vögele, C. (2025). Effects of taVNS on physiological responses and cognitive performance during a mental stressor. *Cognitive, Affective, and Behavioral Neuroscience*, 25, 1655-1666.
9. Lai, L., Bergmann, T. O., Cimino, J., Salles, D., Vögele, C., Van der Meulen, M., & **Schulz, A.** (2025). Stress enhances heartbeat-evoked potentials, independent of continuous theta burst stimulation of the interoceptive brain network targeting the right supramarginal gyrus. *Journal of Neural Transmission*, 132, 1347-1362.
10. Manns, L., Vögele, C., Stammer, P. & **Schulz, A.** (2025). Effort-reward-imbalance, burnout, and physical pain mediate the relationship between overcommitment and depression in German Emergency Medical Technicians. *Journal of Occupational Medicine and Toxicology* 20, 15.
11. Grabo, L. M., **Schulz, A.**, & Bellingrath, S. (2025). Vagally-mediated heart rate variability longitudinally predicts test anxiety in university students. *Anxiety, Stress & Coping*, 38(4), 409-422.
12. Ortmann, J., **Schulz, A.**, Lutz, A., van Dyck, Z. & Vögele, C. (2025). Cardiac interoceptive processing and emotional experience in individuals with and without binge eating behavior. *Appetite*, 208, 107948.
13. Wagener, G. L., **Schulz, A.**, & Melzer, A. (2025). A Plague(d) Tale: Are violent video games effective in reducing stress levels? *International Journal of Psychophysiology*, 209, 112518.
14. Ritz, T., **Schulz, A.** & Khalsa, S. (2024). The golden age of integrative neuroscience? The brain joins the body in the latest renaissance of interoception research. *Biological Psychology*, 192, 108851.

15. Périard, I. A. C., Dierolf, A. M., Lutz, A., Vögele, C., Voderholzer, U., Koch, S., Bach, M., Asenstorfer, C., Michaux, G., Mertens, V. C. & **Schulz, A.** (2024). Frontal alpha asymmetry is associated with chronic stress and depression, but not with somatoform disorders. *International Journal of Psychophysiology*, 200C, 112342.
16. Thomas, M. V., Van Ryckeghem, D., **Schulz, A.**, Müller, R., Adermann, J., Lambracht, K. & Vögele, C. (2024). Mental disorders in chronic pain patients seeking treatment at a specialized tertiary pain hospital: a cross-sectional study. *European Journal of Health Psychology*, 31(1), 28-42.
17. Buntic, N., Jason, L., Schneider, J., Schlessner, M. & **Schulz, A.** (2024). Assessing symptoms of Long/Post Covid and Chronic Fatigue Syndrome using the DePaul Symptom Questionnaire-2: A Validation in a German-Speaking Population. *Fatigue: Biomedicine, Health and Behavior*, 12(1), 72-90.
18. Wagener, G. L., **Schulz, A.** & Melzer, A. (2024). Games, hormones, and “dark” personalities: Dark Tetrad and the effects of violent gaming on aggression, cortisol, and testosterone. *Physiology & Behavior*, 274, 114421.
19. Desmedt, O., Corneille, O., Luminet, O., Maurage, P., Vögele, C., & **Schulz, A.** (2023). Do Schulz et al.'s (2021) Findings Support the Validity of the Heartbeat Counting Task? Joint Conclusion to Commentaries. *Biological Psychology*, 184, 108694.
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21. **Schulz, A.**, Larra, M., Vögele, C., Kölsch, M. & Schächinger, H. (2023). The relationship between self-reported chronic stress, physiological stress axis dysregulation and medically-unexplained symptoms. *Biological Psychology*, 183, 108690.
22. Hoffmann, J., **Schulz, A.**, Finke, J. B., Lauterbach, M., Schächinger, H., Vögele, C. & Spaderna, H. (2023). Cardiac Interoception and Fear of Physical Activity in Patients with Heart Failure. *Mental Health and Physical Activity*, 25, 100553.
23. Kamp, S.-M., Buntic, N., Amtmann, J., Scharpf, A., Schönen, A., Wagner, L. & **Schulz, A.** (2023). Reduced Concentration Performance and Heartbeat-Evoked Potential in Individuals with a History of a SARS-CoV-2 Infection. *Neuroscience Letters*, 814, 137466.
24. Ortmann, J., Lutz, A. P. C., Rose, G., Happ, C., Vögele, C., **Schulz, A.** & van Dyck, Z. (2024). Development and initial validation of a self-report measure to assess eating disorder-specific interoceptive perception. *Psychological Assessment*, 36(2), 162-174.
25. **Schulz, A.**, Welsch, S.-K., Etringer, S., Hansen, G., Milbert, L., Schneider, J., Taddei, G., Gomez Bravo, R., Lygidakis, C., van Dyck, Z., Lutz, A., Wilmes, P. & Vögele, C. (2023). Lower gastric sensitivity in quiescent inflammatory bowel disease than in irritable bowel syndrome. *Physiology & Behavior*, 270(1), 114293.
26. Schmitz, M., Back, S. N., Seitz, K. I., Harbrecht, N. K., Streckert, L., **Schulz, A.**, Herpertz, S. C. & Bertsch, K. (2023). The impact of traumatic childhood experiences on interoception: disregarding one's own body. *Borderline Personality Disorder and Emotion Dysregulation*, 10(1), 5.
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28. **Schulz, A.**, Deuter, C., Breden, I. H., Vögele, C., Wingenfeld, K., Otte, C. & Kühl, L. K. (2022). Sympathetic activation induced by the central alpha2-adrenal antagonist Yohimbine decreases interoceptive accuracy in healthy individuals with early life adversity. *Development and Psychopathology*, 34(3), 1013-2024.
29. **Schulz, A.**, Dierolf, A. M., Lutz, A. P. C., Voderholzer, U., Koch, S., Bach, M.,

- Asenstorfer, C., Michaux, G., Mertens, V. C. & Vögele, C. (2022). Higher cardiovascular activation, but normal heartbeat-evoked potentials and cardiac interoceptive accuracy in somatoform disorders and major depressive disorder. *Psychiatry Research Communications*, 2(3), 100052.
30. Domin, A., Uslu, A., **Schulz, A.**, Ouzzahra, Y. & Vögele, C. (2022). A theory-informed, personalized mHealth intervention for adolescents (mobile app for physical activity): Development and pilot study. *JMIR Formative Research*, 6(6), e35118.
 31. Garfinkel, S. N., **Schulz, A.** & Tsakiris, N. (2022). Addressing the need for new interoceptive methods. *Biological Psychology*, 170(1), 108322.
 32. Decarli, A., Pierrehumbert, B., **Schulz, A.**, Schaan, V. & Vögele, C. (2022). Disorganized attachment in adolescence: Emotional and physiological dysregulation during the Friends and Family Interview and a conflict interaction. *Development and Psychopathology*, 34(1), 431-445.
 33. Schmitz, M., Müller, L. E., Seitz, K. I., **Schulz, A.**, Steinmann, S., Herpertz, S. C. & Bertsch, K. (2021). *European Journal of Psychotraumatology*, 12(1), 1987686.
 34. **Schulz, A.**, Back, S. N., Schaan, V. K., Bertsch, K. & Vögele, C. (2021). On the construct validity of interoceptive accuracy based on heartbeat counting: cardiovascular determinants of absolute and tilt-induced change scores. *Biological Psychology*, 164, 108168.
 35. Opdensteinen, K., Schaan, L., Pohl, A., **Schulz, A.**, Domes, G. & Hechler, T. (2021). Interoception in preschoolers: New insights into its assessment and relations to emotion regulation and stress. *Biological Psychology*, 165, 108166.
 36. **Schulz, A.**, Schultchen, D. & Vögele, C. (2020). Interoception, stress and physical symptoms in stress-associated diseases. *European Journal of Health Psychology*, 27, 132-153.
 37. Kamp, S.-M., **Schulz, A.**, Forester, G. & Domes, G. (2021). Older adults show a higher heartbeat-evoked potential than young adults and a negative association with everyday metacognition. *Brain Research*, 1752, 147238.
 38. **Schulz, A.**, Vögele, C., Bertsch, K., Bernard, S., Münch, E. E., Hansen, G., Naumann, E. & Schächinger, H. (2020). Cardiac cycle phases affect auditory-evoked potentials, startle eye blink and pre-motor reaction times in response to acoustic startle stimuli. *International Journal of Psychophysiology*, 157(1), 70-81.
 39. **Schulz, A.**, Rost, S., Flasiński, T., Dierolf, A. M., Lutz, A. P. C., Münch, E. E., Mertens, V. C., Witthöft, M. & Vögele, C. (2020). Distinctive body perception mechanisms in high versus low symptom reporters: a neurophysiological model for medically-unexplained symptoms. *Journal of Psychosomatic Research*, 137(1), 110223.
 40. Flasiński, F., Dierolf, A. M., Rost, S., Lutz, A., Voderholzer, U., Koch, S., Bach, M., Asenstorfer, C., Münch, E. E., Mertens, V. C., Vögele, C. & **Schulz, A.** (2020). Altered interoceptive awareness in high habitual symptom reporters and patients with somatoform disorders. *Frontiers in Psychology*, 11(1), 1859.
 41. Hoffmann, J. M., Finke, J. B., Schächinger, H., **Schulz, A.**, Vögele, C. & Spaderna, H. (2020). Modulation of startle and heart rate responses by fear of physical activity in patients with heart failure and in healthy adults. *Physiology & Behavior*, 225(1), 113044.
 42. Schenk, L., Fischbach, J., T. M., Müller, R., Vögele, C., Witthöft, M., Van Diest, I. & **Schulz, A.** (2020). High blood pressure responders show largest increase in heartbeat perception accuracy after post-learning stress following a cardiac interoceptive learning task. *Biological Psychology*, 154(1), 107919.
 43. van Dyck, Z., **Schulz, A.**, Blechert, J., Herbert, B. M., Lutz, A. P. & Vögele, C. (2021). Gastric interoception and gastric myoelectrical activity in bulimia nervosa and binge eating disorder. *International Journal of Eating Disorders*, 54(7), 1106-1115.
 44. Asbrand, J., **Schulz, A.**, Heinrichs, N., Tuschen-Caffier, B. (2020). Biased perception of physiological arousal in child social anxiety disorder before and after cognitive

- behavioral treatment. *Clinical Psychology in Europe*, 2(2), 2691.
45. Ainley, V., Tsakiris, M., Pollatos, O, **Schulz, A.** & Herbert, B. H. (2020). Comment on “Zamariola et al., (2018), Interoceptive Accuracy Scores are Problematic: Evidence from Simple Bivariate Correlations”—The Empirical Data Base, the Conceptual Reasoning and the Analysis behind this Statement are Misconceived and do not Support the Authors’ Conclusions. *Biological Psychology*, 152, 107870.
 46. Olafsdottir, G., Cloke, P., **Schulz, A.**, van Dyck, Z., Eysteinnsson, T., Thorleifsdottir, B. & Vögele, C. (2020). Health benefits of walking in nature: a randomized controlled study under conditions of real-life stress. *Environment & Behavior*, 52(3), 248-274.
 47. **Schulz, A.**, Richter, S., Ferreira de Sá, D. S., Vögele, C. & Schächinger, H. (2020). Cortisol rapidly increases baroreflex sensitivity of heart rate control, but does not affect cardiac modulation of startle. *Physiology & Behavior*, 215(1), 112792.
 48. Schaan, V. K., **Schulz, A.**, Bernstein, M., Schächinger, H. & Vögele, C. (2020). Effects of rejection intensity and rejection sensitivity on social approach behavior in women. *PLoS One*, 15(1), e0227799.
 49. Schmitz, M., Müller, L. E., **Schulz, A.**, Kleindienst, N., Herpertz, S. C. & Bertsch, K. (2020). Heart and brain: cortical representation of cardiac signals is disturbed in borderline personality disorder, but unaffected by oxytocin administration. *Journal of Affective Disorders*, 264, 24-28.
 50. Schaan, V. K., **Schulz, A.**, Rubel J. A., Bernstein, M. J., Domes, G., Schächinger, H. & Vögele, C. (2019). Childhood trauma affects stress-related interoceptive accuracy. *Frontiers in Psychiatry*, 10(1), 750.
 51. **Schulz, A.**, Schilling, T. M., Vögele, C. & Schächinger, H. (2019). Visceral-afferent signals from the cardiovascular system, but not urinary urge, affect startle eye blink. *Physiology & Behavior*, 199, 165-172.
 52. Lutz, A. P. C., **Schulz, A.**, Voderholzer, U., Koch, S., van Dyck, Z. & Vögele, C. (2019). Enhanced cortical processing of cardio-afferent signals in anorexia nervosa. *Clin Neurophysiol*, 130, 1620-1627.
 53. Münch, E. E., Vögele, C., Van Diest, I. & **Schulz, A.** (2019). Respiratory modulation of intensity ratings and psychomotor response times to acoustic startle stimuli. *Neurosci Lett*, 711(1), 134388.
 54. Schaan, V. K., **Schulz, A.**, Schächinger, H. & Vögele, C. (2019). Parental divorce is associated with an increased risk to develop mental disorders in women. *J Affect Disord*, 257, 91-99.
 55. Schaan, L., **Schulz, A.**, Nuraydin, S., Bengert, C., Hilger, A., Rach, H. & Hechler, T. (2019). Interoceptive accuracy, emotion recognition, and emotion regulation in preschool children. *International Journal of Psychophysiology*, 138, 47-56.
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 59. Rost, S., van Ryckeghem, D., **Schulz, A.**, Crombez, G., & Vögele, C. (2017). Generalized hypervigilance in fibromyalgia: normal interoceptive accuracy, but reduced self-regulatory capacity. *Journal of Psychosomatic Research*, 93(2), 48-54.
 60. **Schulz, A.**, Schilling, T. M., Vögele, C., Larra, M. F., & Schächinger, H. (2016). Respiratory modulation of startle eye blink: a new approach to assess afferent signals from the respiratory system. *Philosophical Transactions B: Biological Sciences*, 371(1708).
 61. Forkmann, T., Scherer, A., Meessen, J., Michal, M., Schächinger, H., Vögele, C., & **Schulz, A.** (2016). Making sense of what you sense: Disentangling interoceptive

- awareness, sensibility and accuracy. *International Journal of Psychophysiology*, 109(1), 71-80.
62. **Schulz, A.**, Matthey, J. H., Vögele, C., Schaan, V., Schächinger, H., Adler, J., Beutel, M., & Michal, M. (2016). Cardiac modulation of startle is altered in depersonalization/derealization disorder: evidence for impaired brainstem representation of baro-afferent neural traffic. *Psychiatry Research*, 240(1), 4-10.
 63. Van Dyck, Z., Vögele, C., Blechert, J., Lutz, A., **Schulz, A.**, & Herbert, B. M. (2016). The Water Load Test As a Measure of Gastric Interoception: Development of a Two-Stage Protocol and Application to a Healthy Female Population. *PLoS ONE*, 11(9), 0163574.
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- Schächinger, H. (2014). Heart rate response to post-learning stress predicts memory consolidation. *Neurobiology of Learning & Memory*, *109*, 74-81.
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