

CURRICULUM VITAE

Prof. Dr. Tania Singer

Scientific Head

Social Neuroscience Lab

Max Planck Society

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Education

2000 Ph.D. ("*summa cum laude*") in Psychology, Free University of Berlin, Germany
1996 M.Sc. [Diplom] in Psychology, Technical University of Berlin, Germany
1992 B.Sc. [Vordiplom] in Psychology, Philipp University Marburg, Germany

Professional Career

Positions

07/2020 – 06/2021 Guest Researcher, Charité - Universitaetsmedizin Berlin, Germany
since 01/2019 Scientific Head, Social Neuroscience Lab, Max Planck Society, Berlin, Germany
since 01/2011 Honorary Research Fellow, Laboratory for Social and Neural Systems Research, University of Zurich, Switzerland
01/2010 – 12/2018 Director, Department of Social Neuroscience, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
07/2010 Visiting Professor, La Sapienza University Rome, Italy
11/2008 – 08/2010 Inaugural Chair of Social Neuroscience and Neuroeconomics, University of Zurich, Switzerland
05/2008 Visiting Professor, La Sapienza University Rome, Italy
08/2007 – 08/2010 Co-Director, Laboratory for Social and Neural Systems Research, University of Zurich, Switzerland
05/2006 – 10/2008 Assistant Professor of Social Neuroscience and Neuroeconomics, University of Zurich, Switzerland
02/2005 – 04/2006 Research Fellow, Institute of Cognitive Neuroscience, London, United Kingdom. Principal Investigator: Prof. Uta Frith
02/2003 – 01/2005 Research Fellow, Wellcome Department of Imaging Neuroscience, London, United Kingdom. Principal Investigator: Prof. Chris Frith
02/2002 – 01/2003 Visiting Fellow, Wellcome Department of Imaging Neuroscience, London, United Kingdom
11/2000 – 01/2002 Research Scientist, Max Planck Institute for Human Development, Center for Lifespan Psychology, Berlin, Germany
07/1996 – 06/2000 Predoctoral Research Fellow, Max Planck Institute for Human Development, Berlin, Germany

Offers

- 2009 Director, Department of Social Neuroscience, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany (accepted)
- 2008 Inaugural Chair of Social Neuroscience and Neuroeconomics, University of Zurich, Switzerland (accepted)
- 2008 Chair (W3), Cluster of Excellence "Languages of Emotion" at Free University Berlin, Germany (declined)
- 2008 Sarlo-Ekman Endowed Chair, University of California, San Francisco, USA (declined)
- 2006 Assistant Professor of Social Neuroscience and Neuroeconomics, University of Zurich, Switzerland (accepted)
- 2006 Assistant Professor (tenure track), McGovern Institute for Brain Research, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA (declined)
- 2006 Assistant Professor (tenure track), Psychology Department, University of Groningen, the Netherlands (declined)
- 2006 Lecturer, School of Psychology, Bangor University, Wales, United Kingdom (declined)
- 2006 Lecturer, Department of Psychology, University College London, United Kingdom (declined)

Grants and Awards

- 2022 Tania Singer is awarded the Phillip Sandblom Stipend (20.000 SEK)
- 2021 Tania Singer is awarded the "Danke Skulptur" (Thanks to sculpture) by Dr. Faraj Remmo
- 2020 Grant of Berlin University Alliance (BUA) Pandemic Special Call on research project "CovSocial: App-based online-monitoring of social cohesion and mental health during SARS-CoV2-pandemic", in cooperation with Mazda Adli, Sonja Entringer, Christine Heim, Manuel Voelkle, Elisabeth Binder and Felix Blankenburg, (EUR 100,000)
- 2018 Bellagio Center Residency, The Rockefeller Foundation, New York, NY, USA
- 2018 Spring 2018 Bogliasco Fellowship, The Bogliasco Foundation, New York, NY, USA
- 2018 Tania Singer has been elected by the German *ManagerMagazin* to be one of the 100 most influential women in economy
- 2016 Tania Singer has been elected by the German *ManagerMagazin* to be one of the 75 most influential women in economy
- 2015 Tania Singer has been elected by the German *ManagerMagazin* to be one of the 50 most influential women in economy
- 2014 – 2018 Grant of Bundesministerium für Bildung und Forschung (BMBF), Bonn, Germany, on Research project P4 ("Modulatory effects of oxytocin treatment on higher-order social cognition in ASD", Co-PIs Philipp Kanske, Sören Krach, Frieder Paulus) of the ASD-net ("Autism Spectrum Disorder across the lifespan: From a better etiological understanding, through valid diagnosis, to more effective health care"; EUR 354,517)
- 2013 – 2017 Grant from the Institute for New Economic Thinking (INET) on "From homo economicus towards caring economics" together with Prof. Dr. Dennis Snower, New York, NY, USA (EUR 784,440)

- 2010 – 2011 Grant from the National Centre of Competence in Research (NCCR) on Neural Plasticity and Repair, Zurich, Switzerland (CHF 25,000)
- 2009 – 2012 Grant from the Foundation for Scientific Research of the University of Zurich, Switzerland (CHF 13,000)
- 2009 – 2010 Grant from the National Centre of Competence in Research (NCCR) on Neural Plasticity and Repair, Zurich, Switzerland (CHF 75,000)
- 2008 – 2014 Starting Grant from the European Research Council (ERC; EUR 1,500,000)
- 2008 – 2010 Grant from the Betty and David Koetser Foundation for Brain Research, Zurich, Switzerland (CHF 146,475)
- 2008 – 2010 Grant from the Neuroscience Center Zurich (ZNZ), Switzerland (CHF 142,800)
- 2008 – 2011 Grant from the Swiss National Science Foundation (SNF; CHF 296,000)
- 2007 – 2011 Grant from the National Centre of Competence in Research (NCCR) on Neural Plasticity and Repair, Zurich, Switzerland (CHF 196,666)
- 2007 – 2010 Grant from the National Centre of Competence in Research (NCCR) for the Affective Sciences, Geneva, Switzerland (CHF 140,000)
- 2004 Grant for a Novartis Symposium "Empathy and Fairness: Neuronal, Psychological and Developmental Basis" by Singer, Blakemore, Frith, and Frith; held in October, 2005, London, United Kingdom
- 2003 – 2005 Grant from the German Academy of Sciences Leopoldina, Halle, Germany
- 2001 Otto Hahn Medal of the Max Planck Society for best dissertation of the year 2000

Board, Fellowships, and Scientific Committee Memberships

2022– present	Board Member, Global Compassion Coalition, CA, USA
2021– present	Scientific Advisor of Humanize, Luxembourg
2021 – present	Scientific Advisor of Benevolently, Delaware, MD, USA
2021 – present	Scientific Advisory Board Member, T. Denny Sanford Institute for Empathy and Compassion, San Diego, CA, USA
2020 - present	Member, Interdisciplinary Forum Neurourbanistics, Berlin, Germany
2020 – present	Advisory Board Member, Vivir Agradecidos Foundation, Buenos Aires, Argentina
2019 – present	Ambassador Gemeinwohl Ökonomie (GWÖ), Austria
2018 – present	Honorary Board Member, Mind & Life Europe, Winterthur, Switzerland
2017 – present	Fellow, International Positive Psychology Association (IPPA), Melbourne, Australia
2015 – present	Honorary Membership, Österreichischer Bundesverband für Achtsamkeit/Mindfulness (ÖBAM), Hellwang, Austria
2014 – present	Advisory Group Member, European New Economics Research & Policy Network
2014 – 2018	Board Member, Mind & Life Europe, Winterthur, Switzerland
2013 – present	Advisory Board Member, Human Mind Project, London, United Kingdom
2013 – present	Member, Young Academy of Europe (YAE), Europe
2012 – 2018	Board Member, Mind & Life Institute (MLI), Charlottesville, VA, USA
2012 – 2014	Member, European Advisory Committee, Mind & Life Europe, Winterthur, Switzerland
2011 – 2019	Honorary Professor for Social Neurosciences, Faculty of Biosciences, Pharmacy and Biology, University of Leipzig, Germany
2011 – 2019	Honorary Professor for Social Neuroscience, Psychology Department, Faculty of Life Sciences Humboldt-Universität zu Berlin, Germany
2011 – 2018	Board & Faculty Member, International Max Planck Research School on Neuroscience of Communication: Function, Structure and its Plasticity (IMPRS NeuroCom), Leipzig, Germany
2011 – 2016	Member, European Initiative for Integrative Psychological Science, Association for Psychological Science (APS)
2010 – 2019	Faculty and Scientific Council Member, Berlin School of Mind and Brain
2010 – 2011	Principal Investigator, Center for Integrative Life Sciences (CILS), Berlin
2010 – present	Member, Center for Research in Economics, Management, and the Arts (CREMA), Zurich, Switzerland
2009 – present	Advisory Board Member, Center for Compassion and Altruism Research and Education (CCARE), Stanford University School of Medicine, Stanford, CA, USA
2010 – present	Member & Fellow, Association for Psychological Science (APS)
2010 – present	Fellow, Mind & Life Institute (MLI), Hadley, MA, USA
2006 – present	Associate Member, Institut Jean Nicod, Paris, France
2006 – 2010	Associate, Swiss Centre for Affective Sciences, Geneva, Switzerland

Memberships in Scientific Organizations

2013 – 2014	Member, Association for the Scientific Study of Consciousness (ASSC)
2012 – present	Member, Social and Affective Neuroscience Society (SANS)
2011 – present	Member, Society for Neuroeconomics
2011 – present	Member, Society for Social Neuroscience (S4SN)
2010 – present	Member, Association for Psychological Science (APS)
2010 – present	Member, German Neuroscience Society (NWG)
2010 – present	Member, German Psychological Society (DGPs)
2010 – present	Member, Society for Personality and Social Psychology (SPSP)
2009 – 2020	Member, Organization for Human Brain Mapping (OHBM)
2009 – present	Member, Leopoldina Academy Circle of Friends, Germany
2009 – present	Member, Society for Neuroscience (SfN)
2009 – 2011	Member, International Brain Research Organization (IBRO)
2008 – present	Member, The New York Academy of Sciences (NYAS)
2007 – present	Member, Cognitive Neuroscience Society (CNS)

Editorial Activities

Journal Editorial Board & Section Editing

2011 – 2017	Consulting Editor, <i>Emotion</i>
2009	Editorial Advisory Board Member, <i>The Year in Cognitive Neuroscience</i>
2008	Section Editor of the Special Section on Empathy, <i>Emotion</i> 8(6)
2008 – 2016	Consulting Editor, <i>Social Cognitive and Affective Neuroscience</i>
2006 – 2008	Associate Editor, <i>Social Cognitive and Affective Neuroscience</i>

Ad Hoc Journal Reviewing

<i>Brain</i>	<i>Neuropsychologia</i>
<i>Brain Research</i>	<i>Neuroreport</i>
<i>Cerebral Cortex</i>	<i>Neuroscience & Biobehavioral Reviews</i>
<i>Philosophical Transactions of the Royal Society</i>	<i>Philosophical Transactions of the Royal Society</i>
<i>Cognitive Brain Research</i>	<i>Physiology</i>
<i>Consciousness and Cognition</i>	<i>PLoS Biology</i>
<i>Cortex</i>	<i>PLoS One</i>
<i>Current Biology</i>	<i>Proceedings of the National Academy of Science</i>
<i>Current Opinion in Neurobiology</i>	<i>Psychological Bulletin</i>
<i>Emotion</i>	<i>Psychological Science</i>
<i>European Journal of Neuroscience</i>	<i>Science</i>
<i>Journal of Cognitive Neuroscience</i>	<i>Scientific Reports</i>
<i>Journal of Pain</i>	<i>Social Cognitive and Affective Neuroscience</i>
<i>Nature</i>	<i>Social Neuroscience</i>
<i>Nature Communications</i>	<i>The Journal of Neuroscience</i>
<i>Nature Neuroscience</i>	<i>Trends in Cognitive Sciences</i>
<i>NeuroImage</i>	
<i>Neuron</i>	

Organization of Symposia, Meetings, and Conferences

2021	Planning Committee, 2022 European Neurophenomenology, Contemplative, and Embodied Cognition Network (ENCECON) Workshop, France
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- 2019 Planning Committee, European Neurophenomenology, Contemplative, and Embodied Cognition Network (ENCECON) Workshop, Schloss Buchenau, Germany
- 2016 Co-Organizer of “Power and care: A Mind & Life dialogue with H.H. the Dalai Lama”, Brussels, Belgium
- 2016 Co-Organizer of the workshop “The European neurophenomenology, contemplative, and embodied cognition network (ENCECON)”, Château de la Bourlie, France
- 2016 Co-Organizer of the symposium “Frontiers in cognitive neuroscience”, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
- 2016 Co-Organizer of the symposium “Frontiers in computational neuroscience”, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
- 2014 Organizer of the workshop “Cutting edge research on human development: Learning, social cognition, action, and emotion”, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
- 2013 Co-Organizer of the “Mind & Life European symposium for contemplative studies”, Berlin, Germany
- 2012 Steering Committee Member of the 2012 International Symposia for Contemplative Studies, Denver, CO, USA
- 2011 Organizer of the workshop “How to train compassion”, Berlin, Germany
- 2010 Co-organizer of the Laboratory for Social and Neural Systems Research Opening Symposium, University of Zurich, Switzerland
- 2010 Co-organizer of the Mind & Life XX Meeting “Altruism and compassion in economic systems: A dialogue at the interface of economics, neuroscience and contemplative sciences”, Zurich, Switzerland (with H.H. the 14th Dalai Lama)
- 2008 Co-organizer of the international symposium “Foundations of human social behavior”, University of Zurich, Switzerland
- 2008 Chair of symposium “A common role of anterior insula in feelings, empathy, and risk?” Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, CA
- 2007 Chair (with Klaus Scherer) of invited symposium “New trends in affective and social sciences”, 10th Congress of the Swiss Society of Psychology, “Differences, Diversity, and Change”, Zurich, Switzerland
- 2007 Co-organizer of the NCCR Affective Sciences workshop “Empathy and prosocial behavior: Are they linked?”, Geneva, Switzerland, USA
- 2005 Co-organizer of an ICN symposium “Empathy and fairness”, Institute of Cognitive Neuroscience (ICN), London, United Kingdom
- 2005 Co-organizer of the Novartis symposium “Empathy and fairness”, London, United Kingdom

Selected Media Coverage

Selected international media (TV and print)

ARTE, NBC TV, ABC TV, BBC News 24, BBC World Service, BBC Radio 4 and 5, London Broadcast, Financial Times, Huffington Post, La Libre, La Vie, Le Point, Le Figaro, National Geographic, Neue Züricher Zeitung, New Scientist, San Francisco Chronicle, St. Galler Tagblatt, The Guardian, The New York Times, The Times, Tribune de Genève, Science Magazine

German print media

Berliner Zeitung, Die ZEIT, Die WELT, Der Spiegel, Der Tagesspiegel, EMMA, ManagerMagazin, Frankfurter Allgemeine Zeitung, Frankfurter Rundschau, Gehirn und Geist, GEO, Handelsblatt, Leipziger Volkszeitung, Max Planck Journal, Psychologie Heute, National Geographic, Süddeutsche Zeitung, Thüringische Landeszeitung, Vogue, WirtschaftsWoche

German TV Channels and Radio

ARTE, BR-Alpha, 3sat, MDR, NDR, RBB, SF1, TSR1, ZDF
Deutschlandradio, ORF1, rbbKultur

Online media

FOCUS Online, heute.de, Huffington Post, New Scientist, Project Syndicate, Science Daily, Psychology Today, Tagesspiegel Online, ZEIT Online

Podcast

Sidewalktalks, Weiter.Denken.Ordnern.Gestalten (AHG), Cuba Platform, tabularasa

Teaching Experience

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| June 2022 | Workshop, Mount Madonna Center, Watsonville, USA |
| Mar 2022 | Masterclass Reconnect to Society, Schloss Neuhardenberg, Germany |
| Nov 2021 | Lecture, AchtSam University Salzburg, Austria (online) |
| Oct 2021 | Workshop, Emerge Gathering, Berlin, Germany |
| July 2021 | “ReConnect for Healthcare Masterclass “Burnout or Resilience? From Empathic Distress to Compassion”, Diplôme Universitaire de Médecine Méditation et Neurosciences”, Mont St. Odile, France |
| June 2021 | “The Neuroscience and Spiritual Practice of Love and Compassion in Service of a More Caring Society”, Spirit of Humanity Forum, Iceland |
| January 2020 | “The Neuroscience of Empathy, Compassion and Prosociality: Lessons from the ReSource Project”, Diplôme Universitaire de Médecine Méditation et Neurosciences”, Mont St. Odile, France |
| June 2019 | “Beyond Mindfulness: A Social Neuroscience Perspective on How to Cultivate Mind and Heart” Cortona Week Summerschool, Todi, Italy |
| January 2019 | “The Neuroscience of Empathy, Compassion and Prosociality: Lessons from the ReSource Project”, Diplôme Universitaire de Médecine Méditation et Neurosciences”, Mont St. Odile, France |
| June 2017 | “Plasticity of the Social Brain: Effects of a One-year Mental Training Study on Social Connectedness, Compassion, Theory of Mind, Social Stress and the Body” Mind & Life Summer Research Institute Garrison Institute, Garrison, New York, USA |
| February 2017 | “Lessons from the ReSource Project: Effects of a One-Year Mental Training on Brain Plasticity, Compassion, Perspective Taking, Attention, Stress, Interoception and Prosocial Behavior” Oxford Mindfulness Center, Oxford, UK |
| August 2015 | “Lessons from the ReSource Project: How can we get from the cultivation of consciousness, brain, and behavior to a more caring society?” European ReSearch Summer School (ESRI), Chiemsee, Germany |
| Winter 2014/15 | “When socio-affective neurosciences meets decision sciences: The puzzle of understanding and cooperating with others”, Humboldt University and Berlin School of Mind and Brain School, Berlin, Germany |
| Winter 2014/15 | Mini-course (graduate level), Department of Economics, University of Zurich, Switzerland |

- August 2014 “Integrating First- and Third-Person Perspective in Contemplative Neuroscience: Examples and Challenges” European Research Summer School (ESRI), Chiemsee, Germany
- Winter 2011/12 „Empathie – Wie kann sich der Mensch mental und emotional in andere hineinversetzen?“, Ringvorlesung „Miteinander – Füreinander? Sozialverhalten von Menschen und Affen“, Georg August University Göttingen, Germany
- Spring 2010 “Introduction to neuroeconomics and social neuroscience” (undergraduate level), University of Zurich, Switzerl. (with Grit Hein, Susanne Leiberg, Nikolaus Steinbeis)
- Spring 2010 “Foundations of human social behavior” (post-graduate level) University of Zurich, Switzerland (with Ernst Fehr, Klaas Enno Stephan)
- Fall 2009 “Introduction to Neuroeconomics and Social Neuroscience” (undergraduate level) University of Zurich (with Grit Hein, Susanne Leiberg, Nikolaus Steinbeis)
- Fall 2009 “Social neuroscience” (graduate level), University of Zurich, Switzerland
- Fall 2009 “Frontiers in social neuroscience and neuroeconomics” (post-graduate level) University of Zurich, Switzerland (with Ernst Fehr, Klaas Enno Stephan)
- Fall 2009 “Foundations of human social behavior” (post-graduate level) University of Zurich (with Ernst Fehr, Markus Heinrichs, Klaas Enno Stephan)
- May 2009 3rd Cargèse Summer School on Consciousness (“Self-consciousness and Consciousness of others”), Institut d’Etudes Scientifiques de Cargèse, Corsica, France
- Spring 2009 “Social neuroscience” (graduate level), University of Zurich, Switzerland (with Olga Klimecki, Romana Snozzi)
- Spring 2009 “Foundations of human social behavior” (post-graduate level), University of Zurich (with Ernst Fehr, Markus Heinrichs, Klaas Enno Stephan)
- Fall 2008 “Social neuroscience” (graduate level), University of Zurich, Switzerland
- Fall 2008 “Frontiers in social neuroscience and neuroeconomics” post-graduate level), University of Zurich (with Ernst Fehr, Markus Heinrichs, Klaas Enno Stephan)
- Fall 2008 “Foundations of human social behavior” (post-graduate level), University of Zurich (with Ernst Fehr, Markus Heinrichs, Klaas Enno Stephan)
- Jun 2008 Mind & Life Summer Research Institute, Garrison Institute, Garrison, New York, USA
- Spring 2008 “Social neuroscience” (graduate level), University of Zurich, Switzerland
- Spring 2008 “Foundations of human social behavior” (post-graduate level), University of Zurich (with Ernst Fehr, Markus Heinrichs, Klaas Enno Stephan)
- Fall 2007 “Social neuroscience” (graduate level), University of Zurich, Switzerland
- Fall 2007 “Foundations of human social behavior” (post-graduate level), University of Zurich (with Ernst Fehr, Markus Heinrichs)
- Jul 2007 MRC/CSHL Summer Workshop “The biology of social cognition”, St. Anne’s College, University of Oxford, United Kingdom
- Jul 2007 5th European Neuro-IT and Neuroengineering School “Cognition & Action”, Hanse Institute for Advanced Study (HWK), Delmenhorst, Germany
- Spring 2007 “Social neuroscience” (graduate level), University of Zurich, Switzerland
- Spring 2007 “Foundations of human social behavior” (post-graduate level), University of Zurich, Switzerland (with Ernst Fehr, Markus Heinrichs, and Michael Kosfeld)
- Dec 2006 PENS-Hertie Winter School “Brain basis of social interaction: From concepts to imaging”, Kitzbühl, Austria

- 2005 – 2006 Organizer of the “Social Club” series, Institute of Cognitive Neuroscience, London, United Kingdom
- 2002 – 2003 Organizer of the “Brain meeting” series, Wellcome Department of Imaging Neuroscience, London, United Kingdom

Research Interests

- Social and affective neuroscience (social emotions such as empathy, compassion, brain plasticity, social decision-making, development of social cognition, psychopathology of the social brain)
- Neuroeconomics, caring economics and cooperation research
- Contemplative neuroscience, mental training, meditation and mindfulness research
- Multi-method approach (functional and structural MRI, rt-fMRI, TMS, behavioral methods, hormonal and autonomic measures, game theoretical and neuroeconomic paradigms, subjective measures and phenomenology, virtual reality paradigms)

Publications

Books

- 9 **Singer, T.**, Koop, S. & Godara, M. (2021). *The CovSocial Project: How did the Berliners feel during Covid-19 pandemic?* Berlin: Social Neuroscience Lab.
- 8 Ricard, M., **Singer, T.**, & Karius, K. (eds.) (2019). *Die Macht der Fürsorge. Wissenschaft und Buddhismus in Dialog mit dem Dalai Lama*. KNAUR.LEBEN.
- 7 Ricard, M., **Singer, T.**, & Karius, K. (eds.) (2019). *Power and care. Toward balance for our common future – Science, society, and spirituality. In dialogue with the Dalai Lama*. Boston, MA: MIT Press.
- 6 Ricard, M., **Singer, T.**, & Karius, K. (2018). *Pouvoir et altruisme*. Paris: Allary Éditions.
- 5 **Singer, T.**, Kok, B. E., Bornemann, B., Zurborg, S., Bolz, M., & Bochow, C. (2016). *The ReSource Project: Background, design, samples, and measurements*. Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig.
- 4 **Singer, T.**, & Ricard, M. (eds.) (2015). *Caring economics: Conversations on altruism and compassion, between scientists, economists, and the Dalai Lama (pp. 240)*. New York: Picador.
- 3 **Singer, T.**, & Ricard, M. (eds.) (2015). *Mitgefühl in der Wirtschaft. Ein bahnbrechender Forschungsbericht (pp. 255)*. München: Knaus.
- 2 **Singer, T.**, & Bolz, M. (eds.) (2013). *Compassion: Bridging practice and science*. Retrieved from <http://www.compassion-training.org>. Leipzig: Max Planck Institute for Human Cognitive and Brain Sciences.
- 1 **Singer, T.**, & Bolz, M. (eds.) (2013). *Mitgefühl: In Alltag und Forschung*. Retrieved from <http://www.compassion-training.org>. Leipzig: Max Planck Institute for Human Cognitive and Brain Sciences.

Articles in Refereed Journals

- 140 Linz, R., Puhmann, L. M., Engert, V., & **Singer, T.** (2022). Investigating the impact of distinct contemplative mental trainings on daily life stress, thoughts and affect – evidence from a nine-month longitudinal ecological momentary assessment study. *Psychoneuroendocrinology*. 105800. doi: 10.1016/j.psyneuen.2022.105800

- 139 Hoehne, K., Vrticka, P., Engert, V. & **Singer, T.** (2022). Plasma oxytocin is modulated by mental training, but does not mediate its stress-buffering effect. *Psychoneuroendocrinology*, 105734. 10.1016/j.psyneuen.2022.105734
- 138 Silveira, S. J., Hecht, M., Matthäus, H., Adli, M., Voelkle, M. C. & **Singer, T.** (2022). Coping with the COVID-19 Pandemic: Perceived Changes in Psychological Vulnerability, Resilience and Social Cohesion before, during and after Lockdown. *International Journal of Environmental Research and Public Health*, 19(6). 10.3390/ijerph19063290
- 137 Silveira, S. J., Hecht, M., Adli, M., Voelkle, M. & **Singer, T.** (2022) Exploring the Structure and Interrelations of Time-Stable Psychological Resilience, Psychological Vulnerability, and Social Cohesion. *Frontiers in Psychiatry*. doi: 10.3389/fpsy.2022.804763
- 136 Godara, M., Silveira, S. J., Matthäus, H., Heim, C., Voelkle, M., Hecht, M., et al. (2021). Investigating differential effects of socio-emotional and mindfulness-based online interventions on mental health, resilience and social capacities during the COVID-19 pandemic: The study protocol. *PLoS One*, 16(11): e0256323. doi:10.1371/journal.pone.0256323
- 135 Boeckler-Raettig, A. & **Singer, T.** (2021). Longitudinal Evidence for Differential Plasticity of Cognitive Functions: Mindfulness-based mental training enhances working memory, but not perceptual discrimination, response inhibition and metacognition. *Journal of Experimental Psychology: General*. doi: 10.1037/xge0001143
- 134 Mayer, A.; Preckel, K.; Ihle, K.; Piecha, F.; Junghanns, K.; Reiche, S.; Rademacher, L.; Müller-Pinzler, L.; Stolz, D.; Kamp-Becker, I. et al. (2021). Assessment of reward-related brain function after a single-dose of oxytocin in autism: a randomized controlled trial. *Biological Psychiatry*. doi: 10.1016/j.bpsgos.2021.10.004
- 133 Puhlmann, L.M.C., Vrticka, P., Linz, Stalder, T., Kirschbaum, C., Engert V. & **Singer, T.** (2021). Contemplative mental training reduces hairglucocorticoid levels in a randomized clinical trial. *Psychosomatic Medicine*. 83(8). 495-905. doi: 10.1097/PSY.0000000000000970
- 132 Hoffmann, F.; Grosse Wiesmann, C.; **Singer, T.**; Steinbeis, N. (2021). Development of functional network architecture explains changes in children's altruistically motivated helping. *Developmental Science*. e13167. doi: 10.1111/desc.13167.
- 131 Puhlmann, L. M., Linz, R., Valk, S. L.; Vrticka, P., Vos de Wael, R., Bernasconi, A., Bernasconi, N.; Caldairou, B., Papassotiropoulos, I., Chrousos, G. P., Bernhardt, B.C.; **Singer, T.** & Engert, V. (2021). Association between hippocampal structure and serum Brain-Derived Neurotrophic Factor (BDNF) in healthy adults: A registered report. *NeuroImage*, 236, 118011. doi: 10.1016/j.neuroimage.2021.118011
- 130 Favre, P., Kanske, P., Engen, H. & **Singer, T.** (2021). Decreased emotional reactivity after 3-month socio-affective but not attention- or meta-cognitive-based mental training: A randomized, controlled, longitudinal fMRI study. *NeuroImage*, 237, 118132. doi: 10.1016/j.neuroimage.2021.118132
- 129 Chierchia, G., Parianen Lesemann, F. H., Snower, D. & **Singer T.** (2021) Cooperation across multiple game theoretical paradigms is increased by fear more than anger in selfish individuals. *Scientific Reports*. 11:9351. doi: 10.1038/s41598-021-88663-0
- 128 Chierchia, G., Przyrembel, M., Parianen Lesemann, F. H., Bosworth, S., Snower, D., & **Singer, T.** (2021). Navigating Motivation: A Semantic and Subjective Atlas of 7 Motives. *Frontiers in Psychology*. doi:10.3389/fpsyg.2020.568064
- 127 Tholen, M.G., Trautwein, F.-M., Böckler, A., Kanske, P. & **Singer, T.** (2020). fMRI item analysis of empathy and theory of mind. *HBM*, 41(10), 2611-2628. doi: 10.1002/hbm.24966.

- 126 Grosse Wiesmann, C., Friederici, A.D., Steinbeis, N., & **Singer, T.** (2020). Two different systems for thinking about other people's thoughts in the developing brain. *Proceedings of the National Academy of Sciences*, 117(12), 6928-6935.
- 125 Trautwein, F., Kanske P., Böckler-Raettig, A. & **Singer, T.** (2020). Differential Benefits of Mental Training Types for Attention, Compassion, and Theory of Mind. *Cognition*, 194. doi: 10.1016/j.cognition.2019.104039
- 124 Puhlmann, L.M.C., Engert, V., Apostolakou, E., Papassotiriou, I., Chrousos, G. P., Vrtička, P. & **Singer, T.** (2019). Only vulnerable adults show change in chronic low-grade inflammation after contemplative mental training: evidence from a randomized clinical trial. *Scientific Reports*, 9(1). 1-12. doi:10.1038/s41598-019-55250-3
- 123 Puhlmann, L.M.C., Valk, S.S., Engert, V., Bernhardt, B.C., Lin, J., Epel, E.S., Vrtička & **Singer, T.** (2019). Association of Short-Term Change in Telomere Length with Cortical Thickness Changes and Effects of Mental Training Among Healthy Adults: A randomised clinical trial. *JAMA Network Open* 2 (9): e199687. doi:10.1001/jamanetworkopen.2019.9687
- 122 Przyrembel, M., Vrticka, P., Engert, V. & **Singer, T.** (2019). Loving-Kindness-Meditation – A Queen of Hearts? Physio-Phenomenological Investigation on the Variety of experience. *Journal of Consciousness Studies*, 26(7,8). 95-129.
- 121 Preckel, K., Trautwein, F. M., Paulus, F. M., Kirsch, P., Krach, S., **Singer, T.**, & Kanske, P. (2019). Neural mechanisms of affective matching across faces and scenes. *Scientific reports*, 9(1), 1492.
- 120 Bornemann, B., Kovacs, P., & **Singer, T.** (2019). Voluntary upregulation of heart rate variability is improved by mental contemplative training. *Scientific Reports*, 9:7860. doi:10.1038/s41598-019-44201-7
- 119 Linz, R., Puhlmann, L. M. C., Apostolakou, F., Mantzou, E., Papassotiriou, I., Chrousos, G. P., ... & **Singer, T.** (2019). Acute psychosocial stress increases serum BDNF levels: an antagonistic relation to cortisol but no group differences after mental training. *Neuropsychopharmacology*, 1. doi: 10.1038/s41386-019-0391-y
- 118 **Singer, T.**, & Engert, V. (2019). It matters what you practice: Differential training effects on subjective experience, behavior, brain and body in the *ReSource Project*. *Current Opinion in Psychology*, 28, 151–158.
- 117 Banzhaf, C., Hoffmann, F., Kanske, P., Fan, Y., Walter, H., Spengler, S., Schreiter, S., **Singer, T.** & Bermpohl, F. (2018). Interacting and dissociable effects of alexithymia and depression on empathy. *Psychiatry Research*, 270, 631–638. doi: 10.1016/j.psychres.2018.10.045.
- 116 Böckler, A., Tusche, A., Schmidt, P., & **Singer, T.** (2018). Distinct mental trainings differentially affect altruistically motivated, norm motivated, and self-reported prosocial behaviour. *Scientific Reports*, 8:13560. doi: 10.1038/s41598-018-31813-8
- 115 Böckler, A., Tusche, A., & **Singer, T.** (2018). The structure of human prosociality revisited: Corrigendum and addendum to Böckler, Tusche, and Singer (2016). *Social Psychological and Personality Science*, 9(6), 754–759. doi: 10.1177/1948550617722200
- 114 Engen, H. G., Bernhardt, B. C., Skottnik, L., Ricard, M., & **Singer, T.** (2018). Structural changes in socio-affective networks: Multi-modal MRI findings in long-term meditation practitioners. *Neuropsychologia*, 116(A), 26–33. doi: 10.1016/j.neuropsychologia.2017.08.024.
- 113 Engen, H., Kanske, P., & **Singer, T.** (2018). Endogenous emotion generation ability is associated with the capacity to form multimodal internal representations. *Scientific Reports*, 8:1953. doi: 10.1038/s41598-018-20380-7
- 112 Engert, V., Kok, B., Puhlmann, L., Stalder, T., Kirschbaum, C., Papanastasopoulou, C., Papassotiriou, I., Pervanidou, P., Chrousos, G. P., & **Singer, T.** (2018). Exploring the multidimensional complex systems structure of the stress response and its relation to health and sleep outcomes. *Brain, Behavior, and Immunity*, 73, 390–402. doi: 10.1016/j.bbi.2018.05.023.

- 111 Engert, V., Ragsdale, A., & **Singer, T.** (2018). Cortisol stress resonance in the laboratory is associated with inter-couple diurnal cortisol covariation in daily life. *Hormones and Behavior*, *98*, 183–190. doi: 10.1016/j.yhbeh.2017.12.018
- 110 Grosse Wiesmann, C., Friederici, A. D., Disla, D., Steinbeis, N., & **Singer, T.** (2018). Longitudinal evidence for 4-year-olds' but not 2- and 3-year-olds' false belief-related action anticipation. *Cognitive Development*, *46*, 58–68. doi: 10.1016/j.cogdev.2017.08.007
- 109 Hildebrandt, L. K., McCall, C., & **Singer, T.** (2018). Socio-affective versus socio-cognitive mental trainings differentially affect emotion regulation strategies. *Emotion*. Advance online publication. doi:10.1037/emo0000518
- 108 Linz, R., **Singer, T.**, & Engert, V. (2018). Interactions of momentary thought content and subjective stress predict cortisol fluctuations in a daily life experience sampling study. *Scientific Reports*, *8*:15462. doi:10.1038/s41598-018-33708-0
- 107 Lumma, A.-L., Valk, S. L., Böckler, A., Vrticka, P., & **Singer, T.** (2018). Change in emotional self-concept following socio-cognitive training relates to structural plasticity of the prefrontal cortex. *Brain and Behavior*, *8*(4):e00940. doi:10.1002/brb3.940
- 106 Mendes, N., Steinbeis, N., Bueno-Guerra, N., Call, J., & **Singer, T.** (2018). Preschool children and chimpanzees incur costs to watch punishment of antisocial others. *Nature Human Behaviour*, *2*, 45–51. doi: 10.1038/s41562-017-0264-5
- 105 Preckel, K., Kanske, P., **Singer, T.** (2018). On the interaction of social affect and cognition: empathy, compassion and theory of mind. *Current Opinion in Behavioral Sciences*, *19*, 1–6. doi:10.1016/j.cobeha.2017.07.010
- 104 Przyrembel, M., & **Singer, T.** (2018). Experiencing meditation – Evidence for differential effects of three contemplative mental practices in micro-phenomenological interviews. *Consciousness and Cognition*, *62*, 82–101. doi: 10.1016/j.concog.2018.04.004
- 103 Böckler, A., Herrmann, L., Trautwein, F.-M., Holmes, T., & **Singer, T.** (2017). Know thy selves: Learning to understand oneself increases the ability to understand others. *Journal of Cognitive Enhancement*, *1*(2), 197–209. doi: 10.1007/s41465-017-0023-6
- 102 Böckler, A., Sharifi, M., Kanske, P., Dziobek, I., & **Singer, T.** (2017). Social decision making in narcissism: Reduced generosity and increased retaliation are driven by alterations in perspective-taking and anger. *Personality and Individual Differences*, *104*, 1–7. doi: 10.1016/j.paid.2016.07.020
- 101 Bornemann, B., & **Singer, T.** (2017). Taking time to feel our body: Steady increases in heartbeat perception accuracy and decreases in alexithymia over 9 months of contemplative mental training. *Psychophysiology*, *54*(3), 469–482. doi 10.1111/psyp.12790
- 100 Chierchia, G., Parianen Lesemann, F. H., Snower, D., Vogel, M., & **Singer, T.** (2017). Caring cooperators and powerful punishers: Differential effects of induced care and power motivation on different types of economic decision making. *Scientific Reports*, *7*:11068. doi:10.1038/s41598-017-11580-8
- 99 Engen, H. G., Kanske, P., & **Singer, T.** (2017). The neural component-process architecture of endogenously generated emotion. *Social Cognitive and Affective Neuroscience*, *12*(2), 197–211. doi: 10.1093/scan/nsw108
- 98 Engen, H. G., Smallwood, J., & **Singer, T.** (2017). Differential impact of task relevance of emotion on three indices of prioritized processing for facial expressions of fear and anger. *Cognition and Emotion*, *31*(1), 175–184. doi: 10.1080/02699931.2015.1081873
- 97 Engert, V., Kok, B. E., Papassotiriou, I., Chrousos, G. P., & **Singer, T.** (2017). Specific reduction in cortisol stress reactivity after social but not attention-based mental training. *Science Advances*, *3*(10): e1700495. doi:10.1126/sciadv.1700495
- 96 Grosse Wiesmann, C., Friederici, A. D., **Singer, T.**, & Steinbeis, N. (2017). Implicit and explicit false belief development in preschool children. *Developmental Science*, *20*(5): e12445. doi:10.1111/desc.12445

- 95 Grosse Wiesmann, C., Schreiber, J., **Singer, T.**, Steinbeis, N., & Friederici, A. D. (2017). White matter maturation is associated with the emergence of Theory of Mind in early childhood. *Nature Communications*, 8:14692. doi:10.1038/ncomms14692
- 94 Hildebrandt, L. K., McCall, C., & **Singer, T.** (2017). Differential effects of attention-, compassion- and socio-cognitively based mental practices on self-reports of mindfulness and compassion. *Mindfulness*, 8(6), 1488–1512. doi: 10.1007/s12671-013-0195-9
- 93 Kamp-Becker, I., Poustka, L., Bachmann, C., Ehrlich, S., Hoffmann, F., Kanske, P., Kirsch, P., Krach, S., Paulus, F.M., Rietschel, M., Roepke, S., Roesner, V., Schad-Hansjosten, T., **Singer, T.**, Stroth, S., Witt, S., & Wermter, AK. (2017). Study protocol of the ASD-Net, the German research consortium for the study of Autism Spectrum Disorder across the lifespan: From a better etiological understanding, through valid diagnosis, to more effective health care. *BMC Psychiatry*, 17:206. doi:10.1186/s12888-017-1362-7
- 92 Kanske, P., Sharifi, M., Smallwood, J., Dziobek, I., & **Singer, T.** (2017). Where the narcissistic mind wanders: Increased self-related thoughts are more positive and future-oriented. *Journal of Personality Disorders*, 31(4), 553–566. doi: 10.1521/pedi_2016_30_263
- 91 Kok, B. E., & **Singer, T.** (2017). Effects of contemplative dyads on engagement and perceived social connectedness over 9 months of mental training: A randomized clinical trial. *JAMA Psychiatry*, 74(2), 126–134. doi: 10.1001/jamapsychiatry.2016.3360
- 90 Kok, B. E., & **Singer, T.** (2017). Phenomenological fingerprints of four meditations: Differential state changes in affect, mind-wandering, meta-cognition and interoception before and after daily practice across nine months of training. *Mindfulness*, 8(1), 218–231. doi: 10.1007/s12671-016-0594-9
- 89 Lumma, A.-L., Böckler, A., Vrticka, P., & **Singer, T.** (2017). Who am I? Differential effects of three contemplative mental trainings on emotional word use in self-descriptions. *Self and Identity*, 16(5), 607–628. doi: 10.1080/15298868.2017.1294107
- 88 Lumma, A.-L., Kok, B. E., & **Singer, T.** (2017). Corrigendum to “Is meditation always relaxing? Investigating heart rate, heart rate variability, experienced effort and likeability during training of three types of meditation”. *International Journal of Psychophysiology*, 117, 126–130. doi: 10.1016/j.ijpsycho.2015.04.017
- 87 Winter, K., Spengler, S., BERPohl, F., **Singer, T.**, & Kanske, P. (2017). Social cognition in aggressive offenders: impaired empathy, but intact theory of mind. *Scientific Reports*, 7:670. doi: 10.1038/s41598-017-00745-0
- 86 Valk, S. L., Bernhardt, B. C., Böckler, A., Trautwein, F.-M., Kanske, P., & **Singer, T.** (2017). Socio-cognitive phenotypes differentially modulate large-scale structural covariance networks. *Cerebral Cortex*, 27(2), 1358–1368. doi: 10.1093/cercor/bhv319
- 85 Valk, S. L., Bernhardt, B. C., Trautwein, M., Böckler, A., Kanske, P., Guizard, N., Collins, D. L., & **Singer, T.** (2017). Structural plasticity of the social brain: Differential change after socio-affective and cognitive mental training. *Science Advances*, 3(10): e1700489. doi:10.1126/sciadv.1700489
- 84 Böckler, A., Tusche, A., & **Singer, T.** (2016). The structure of human prosociality: Differentiating altruistically motivated, norm motivated, strategically motivated and self-reported prosocial behavior. *Social Psychological and Personality Science*, 7(6), 530–541. doi: 10.1177%2F1948550616639650
- 83 Bornemann, B., Kok, B. E., Böckler, A., & **Singer, T.** (2016). Helping from the heart: Voluntary up-regulation of heart rate variability predicts altruistic behavior. *Biological Psychology*, 119, 54–63. doi: 10.1016/j.biopsycho.2016.07.004
- 82 Bosworth, S. J., **Singer, T.**, & Snower, D. J. (2016). Cooperation, motivation and social balance. *Journal of Economic Behavior and Organization*, 126(Part B), 72–94. doi: 10.1016/j.jebo.2015.12.005
- 81 Corradi-Dell’Acqua, C., Tusche, A., Vuilleumier, P., & **Singer, T.** (2016). Cross-modal representations of first-hand and vicarious pain, disgust and fairness in insular and cingulate cortex. *Nature Communications*, 7:10904. doi:10.1038/ncomms10904

- 80 Engen, H. G., & **Singer, T.** (2016). Affect and motivation are critical in constructive meditation. *Trends in Cognitive Sciences*, 20(3), 159–160. doi: 10.1016/j.tics.2015.11.004
- 79 Engert, V., Koester, A. M., Riepenhausen, A., & **Singer, T.** (2016). Boosting recovery rather than buffering reactivity: Higher stress-induced oxytocin secretion is associated with increased cortisol reactivity and faster vagal recovery after acute psychosocial stress. *Psychoneuroendocrinology*, 74, 111–120. doi: 10.1016/j.psyneuen.2016.08.029
- 78 Hildebrandt, L. K., McCall, C., Engen, H. G., & **Singer, T.** (2016). Cognitive flexibility, heart rate variability, and resilience predict fine-grained regulation of arousal during prolonged threat. *Psychophysiology*, 53(6), 880–890. doi: 10.1111/psyp.12632
- 77 Hoffmann, F., Banzhaf, C., Kanske, P., Bermpohl, F., & **Singer, T.** (2016). Where the depressed mind wanders: Self-generated thought patterns as assessed through experience sampling as a state marker of depression. *Journal of Affective Disorders*, 198, 127–134. doi: 10.1016/j.jad.2016.03.005
- 76 Hoffmann, F., Banzhaf, C., Kanske, P., Gärtner, M., Bermpohl, F., & **Singer, T.** (2016). Empathy in depression: Egocentric and altercentric biases and the role of alexithymia. *Journal of Affective Disorders*, 199, 23–29.
- 75 Hoffmann, F., Köhne, S., Steinbeis, N., Dziobek, I., & **Singer, T.** (2016). Preserved self-other distinction during empathy in autism is linked to network integrity of right supramarginal gyrus. *Journal of Autism and Developmental Disorders*, 46(2), 637–648. doi: 10.1016/j.jad.2016.03.007
- 74 Kanske, P., Böckler, A., Trautwein, F.-M., Parianen Lesemann, F. H., & **Singer, T.** (2016). Are strong empathizers better mentalizers? Evidence for independence and interaction between the routes of social cognition. *Social Cognitive and Affective Neuroscience*, 11(9), 1382–1392. doi: 10.1093/scan/nsw052
- 73 Kanske, P., Schulze, L., Dziobek, I., Scheibner, H., Roepke, S., & **Singer, T.** (2016). The wandering mind in borderline personality disorder: Instability in self- and other-related thoughts. *Psychiatry Research*, 242, 302–310. doi: 10.1016/j.psychres.2016.05.060
- 72 McCall, C., Hildebrandt, L. K., Hartmann, R., Baczkowski, B. M., & **Singer, T.** (2016). Introducing the Wunderkammer as a tool for emotion research: Unconstrained gaze and movement patterns in three emotionally evocative virtual worlds. *Computers in Human Behavior*, 59, 93–107. doi: 10.1016/j.chb.2016.01.028
- 71 Molenberghs, P., Trautwein, F.-M., Böckler, A., **Singer, T.**, & Kanske, P. (2016). Neural correlates of metacognitive ability and of feeling confident: A large scale fMRI study. *Social Cognitive and Affective Neuroscience*, 11(12), 1942–1951. doi: 10.1093/scan/nsw093
- 70 Preckel, K., Kanske, P., **Singer, T.**, Paulus, F., & Krach, S. (2016). Clinical trial of modulatory effects of oxytocin treatment on higher-order social cognition in autism spectrum disorder: A randomized, placebo-controlled, double-blind and crossover trial. *BMC Psychiatry*, 16(1), 329. doi: 10.1186/s12888-016-1036-x
- 69 Steinbeis, N., Haushofer, J., Fehr, E., & **Singer, T.** (2016). Development of behavioural control and associated vmPFC-DLPFC connectivity explains children's increased resistance to temptation in intertemporal choice. *Cerebral Cortex*, 26(1), 32–42. doi: 10.1093/cercor/bhu167
- 68 Trautwein, F.-M., **Singer, T.**, & Kanske, P. (2016). Stimulus-driven reorienting impairs executive control of attention: Evidence for a common bottleneck in anterior insula. *Cerebral Cortex*, 26(11), 4136–4147. doi: 10.1093/cercor/bhw225
- 67 Tusche, A., Böckler, A., Kanske, P., Trautwein, F.-M., & **Singer, T.** (2016). Decoding the charitable brain: Empathy, perspective taking and attention shifts differentially predict altruistic giving. *The Journal of Neuroscience*, 36(17). doi: 10.1523/JNEUROSCI.3392-15.2016
- 66 Valk, S. L., Bernhardt, B. C., Böckler, A., Kanske, P., & **Singer, T.** (2016). Substrates of metacognition on perception and metacognition on higher-order cognition relate to different

- subsystems of the mentalizing network. *Human Brain Mapping*, 37(10), 3388–3399. doi: 10.1002/hbm.23247
- 65 Zaki, J., Wager, T. D., **Singer, T.**, Keysers, C., & Gazzola, V. (2016). The anatomy of suffering: Understanding the relationship between nociceptive and empathic pain. *Trends in Cognitive Sciences*, 20(4), 249–259. doi: 10.1016/j.tics.2016.02.003
- 64 Bornemann, B., Herbert, B. M., Mehling, W. E., & **Singer, T.** (2015). Differential changes in self-reported aspects of interoceptive awareness through three months of contemplative training. *Frontiers in Psychology*, 5:1504. doi: 10.3389/fpsyg.2014.01504
- 63 Engen, H. G., & **Singer, T.** (2015). Compassion-based emotion regulation up-regulates experienced positive affect and associated neural networks. *Social Cognitive and Affective Neuroscience*, 10(9), 1291–1301. doi: 10.1093/scan/nsv008
- 62 Hoffmann, F., **Singer, T.**, & Steinbeis, N. (2015). Children's increased emotional egocentricity compared to adults is mediated by their difficulties in conflict processing. *Child Development*, 86(3), 765–780. doi: 10.1111/cdev.12338
- 61 Kanske, P., Böckler, A., Trautwein, F.-M., & **Singer, T.** (2015). Dissecting the social brain: Introducing the EmpaToM to reveal distinct neural networks and brain-behavior relations for empathy and Theory of Mind. *NeuroImage*, 122, 6–19. doi: 10.1016/j.neuroimage.2015.07.082
- 60 Lamm, C., Silani, G., & **Singer, T.** (2015). Distinct neural networks underlying empathy for pleasant and unpleasant touch. *Cortex*, 70, 79–89. doi: 10.1016/j.cortex.2015.01.021
- 59 Lumma, A.-L., Kok, B. E., & **Singer, T.** (2015). Is meditation always relaxing? Investigating heart rate, heart rate variability, experienced effort and likeability during training of three types of meditation. *International Journal of Psychophysiology* 97(1), 38–45. doi: 10.1016/j.ijpsycho.2015.04.017
- 58 McCall, C., Hildebrandt, L. K., Bornemann, B., & **Singer, T.** (2015). Physiophenomenology in retrospect: Memory reliably reflects physiological arousal during a prior threatening experience. *Consciousness and Cognition*, 38, 60–70. doi: 10.1016/j.concog.2015.09.011
- 57 McCall, C., & **Singer, T.** (2015). Facing off with unfair others: Introducing proxemic imaging as an implicit measure of approach and avoidance during social interaction. *PLoS One*, 10(2): e0117532. doi: 10.1371/journal.pone.0117532
- 56 Steinbeis, N., Bernhardt, B. C., & **Singer, T.** (2015). Age-related differences in function and structure of rSMG and reduced functional connectivity with DLPFC explains heightened emotional egocentricity bias in childhood. *Social Cognitive and Affective Neuroscience*, 10(2), 302–310. doi: 10.1093/scan/nsu057
- 55 Steinbeis, N., Engert, V., Linz, R., & **Singer, T.** (2015). The effects of stress and affiliation on social decision-making: Investigating the tend-and-befriend pattern. *Psychoneuroendocrinology*, 62, 138–148. doi: 10.1016/j.psyneuen.2015.08.003
- 54 Bernhardt, B. C., Klimecki, O. M., Leiberg, S., & **Singer, T.** (2014). Structural covariance networks of dorsal anterior insula predict females' individual differences in empathic responding. *Cerebral Cortex*, 24(8), 2189–2198. doi: 10.1093/cercor/bht072
- 53 Bernhardt, B. C., Smallwood, J., Tusche, A., Ruby, F. J. M., Engen, H. G., Steinbeis, N., & **Singer, T.** (2014). Medial prefrontal and anterior cingulate cortical thickness predicts shared individual differences in self-generated thought and temporal discounting. *NeuroImage*, 90, 290–297. doi: 10.1016/j.neuroimage.2013.12.040
- 52 Bernhardt, B. C., Valk, S. L., Silani, G., Bird, G., Frith, U., & **Singer, T.** (2014). Selective disruption of socio-cognitive structural brain networks in autism and alexithymia. *Cerebral Cortex*, 24(12), 3258–3267. doi: 10.1093/cercor/bht182
- 51 Cooper, E. A., Garlick, J., Featherstone, E., Voon, V., **Singer, T.**, Critchley, H. D., & Harrison, N. A. (2014). You turn me cold: Evidence for temperature contagion. *PLoS One*, 9(12): e116126. doi: 10.1371/journal.pone.0116126

- 50 Engert, V., Merla, A., Grant, J. A., Cardone, D., Tusche, A., & **Singer, T.** (2014). Exploring the use of thermal infrared imaging in human stress research. *PLoS One*, 9(3): e90782. doi: 10.1371/journal.pone.0090782
- 49 Engert, V., Plessow, F., Miller, R., Kirschbaum, C., & **Singer, T.** (2014). Cortisol increase in empathic stress is modulated by social closeness and observation modality. *Psychoneuroendocrinology*, 45, 192–210. doi: 10.1016/j.psychoneu.2014.04.005
- 48 Engert, V., Smallwood, J., & **Singer, T.** (2014). Mind your thoughts: Associations between self-generated thoughts and stress-induced and baseline levels of cortisol and alpha-amylase. *Biological Psychology*, 103, 283–291. doi: 10.1016/j.biopsycho.2014.10.004
- 47 Klimecki, O. M., Leiberg, S., Ricard, M., & **Singer, T.** (2014). Differential pattern of functional brain plasticity after compassion and empathy training. *Social Cognitive and Affective Neuroscience*, 9(6), 874–879. doi: 10.1093/scan/nst060
- 46 McCall, C., Steinbeis, N., Ricard, M., & **Singer, T.** (2014). Compassion meditators show less anger, less punishment, and more compensation of victims in response to fairness violations. *Frontiers in Behavioral Neuroscience*, 8:424. doi: 10.3389/fnbeh.2014.00424
- 45 **Singer, T.**, & Klimecki, O. (2014). Empathy and compassion. *Current Biology*, 24(18), R875–R878. doi: 10.1016/j.cub.2014.06.054
- 44 Steinbeis, N., & **Singer, T.** (2014). Projecting my envy onto you: Neurocognitive mechanisms of offline emotional egocentricity bias. *NeuroImage*, 102(Part 2), 370–380. doi: 10.1016/j.neuroimage.2014.08.007
- 43 Tusche, A., Smallwood, J., Bernhardt, B. C., & **Singer, T.** (2014). Classifying the wandering mind: Revealing the affective content of thoughts during task-free rest periods. *NeuroImage*, 97, 107–116. doi: 10.1016/j.neuroimage.2014.03.076
- 42 Engen, H. G., & **Singer, T.** (2013). Empathy circuits. *Current Opinion in Neurobiology*, 23(2), 275–282. doi: 10.1016/j.conb.2012.11.003
- 41 Klimecki, O. M., Leiberg, S., Lamm, C., & **Singer, T.** (2013). Functional neural plasticity and associated changes in positive affect after compassion training. *Cerebral Cortex*, 23(7), 1552–1561. doi: 10.1093/cercor/bhs142
- 40 Ruby, F. J. M., Smallwood, J., Engen, H., & **Singer, T.** (2013). How self-generated thought shapes mood – The relation between mind-wandering and mood depends on the socio-temporal content of thoughts. *PLoS One*, 8(10): e77554. doi: 10.1371/journal.pone.0077554
- 39 Ruby, F. J. M., Smallwood, J., Sackur, J., & **Singer, T.** (2013). Is self-generated thought a means of social problem solving? *Frontiers in Psychology*, 4:962. doi: 10.3389/fpsyg.2013.00962
- 38 Silani, G., Lamm, C., Ruff, C. C., & **Singer, T.** (2013). Right supramarginal gyrus is crucial to overcome emotional egocentricity bias in social judgments. *The Journal of Neuroscience*, 33(39), 15466–15476. doi: 10.1523/JNEUROSCI.1488-13.2013
- 37 Smallwood, J., Ruby, F. J. M., & **Singer, T.** (2012). Letting go of the present: Task unrelated thought is associated with reduced delay discounting. *Consciousness and Cognition*, 22(1), 1–7. doi: 10.1016/j.concog.2012.10.007
- 36 Steinbeis, N., & **Singer, T.** (2013). The effects of social comparison on social emotions and behaviour during childhood: The ontogeny of envy and Schadenfreude predicts developmental changes in equity-related decisions. *Journal of Experimental Child Psychology*, 115(1), 198–209. doi: 10.1016/j.jecp.2012.11.009
- 35 Bernhardt, B. C., & **Singer, T.** (2012). The neural basis of empathy. *Annual Review of Neuroscience*, 35, 1–23. doi: 10.1146/annurev-neuro-062111-150536
- 34 McCall, C., & **Singer, T.** (2012). The animal and human neuroendocrinology of social cognition, motivation and behavior. *Nature Neuroscience Review*, 15(5), 681–688. doi: 10.1038/nn.3084

- 33 Przyrembel, M., Smallwood, J., Pauen, M., & **Singer, T.** (2012). Illuminating the dark matter of social neuroscience: Considering the problem of social interaction from philosophical, psychological, and neuroscientific perspectives. *Frontiers in Human Neuroscience*, 6:190. doi:10.3389/fnhum.2012.00190
- 32 **Singer, T.** (2012). The past, present and future of social neuroscience: A European perspective. *NeuroImage*, 61(2), 437–449. doi: 10.1016/j.neuroimage.2012.01.109
- 31 Steinbeis, N., Bernhardt, B. C., & **Singer, T.** (2012). Impulse control and underlying functions of the left DLPFC mediate age-related and age-independent individual differences in strategic social behavior. *Neuron*, 73(5), 1040–1051. doi: 10.1016/j.neuron.2011.12.027
- 30 Ugazio, G., Lamm, C., & **Singer, T.** (2012). The role of emotions for moral judgments depends on the type of emotion and moral scenario. *Emotion*, 12(3), 579–590. doi: 10.1037/a0024611
- 29 Hein, G., Lamm, C., Brodbeck, C., & **Singer, T.** (2011). Skin conductance response to the pain of others predicts later costly helping. *PLoS One*, 6(8): e227559. doi: 10.1371/journal.pone.00227559
- 28 Lamm, C., Decety, J., & **Singer, T.** (2011). Meta-analytic evidence for common and distinct neural networks associated with directly experienced pain and empathy for pain. *NeuroImage*, 54(3), 2492–2502. doi: 10.1016/j.neuroimage.2010.10.014
- 27 Leiberg, S., Klimecki, O., & **Singer, T.** (2011). Short-term compassion training increases prosocial behavior in a newly developed prosocial game. *PLoS One*, 6(3): e17798. doi: 10.1371/journal.pone.0017798
- 26 Bird, G., Silani, G., Brindley, R., White, S., Frith, U., & **Singer, T.** (2010). Empathic brain responses in insula are modulated by levels of alexithymia but not autism. *Brain*, 133(5), 1515–1525. doi: 10.1093/brain/awq060
- 25 Hein, G., Silani, G., Preuschoff, K., Batson, C. D., & **Singer, T.** (2010). Neural responses to the suffering of ingroup- and outgroup members predict individual differences in altruistic helping. *Neuron*, 68(1), 149–160. doi: 10.1016/j.neuron.2010.09.003
- 24 Lamm, C., & **Singer, T.** (2010). The role of anterior insular cortex in social emotions. *Brain Structure & Function*, 214(5–6), 579–591. doi: 10.1007/s00429-010-0251-3
- 23 **Singer, T.**, Critchley, H. D., & Preuschoff, K. (2009). A common role of insula in feelings, empathy and uncertainty. *Trends in Cognitive Sciences*, 13(8), 334–340. doi: 10.1016/j.tics.2009.05.001
- 22 **Singer, T.**, & Lamm, C. (2009). The social neuroscience of empathy. *The Year in Cognitive Neuroscience 2009: Annals of the New York Academy of Sciences*, 1156, 81–96. doi: 10.1111/j.1749-6632.2009.04418.x
- 21 **Singer, T.** & Steinbeis, N. (2009). Differential roles of fairness- and compassion-based motivations for cooperation, defection, and punishment. *Annals of the New York Academy of Sciences*, 1167, 41–50.
- 20 Frith, C. D., & **Singer, T.** (2008). The role of social cognition in decision making. *Philosophical Transactions of the Royal Society of London. Series B, Biological sciences*, 363(1511), 3875–3886. doi: 10.1098/rstb.2008.0156
- 19 Hein, G., & **Singer, T.** (2008). I feel how you feel but not always: The empathic brain and its modulation. *Current Opinion in Neurobiology*, 18(2), 153–158. doi: 10.1016/j.conb.2008.07.012
- 18 Petrovic, P., Kalisch, R., Pessiglione, M., **Singer, T.**, & Dolan, R. J. (2008). Learning affective values for faces is expressed in amygdala and fusiform gyrus. *Social Cognitive and Affective Neuroscience*, 3(2), 109–118. doi: 10.1093/scan/nsn002
- 17 Petrovic, P., Kalisch, R., **Singer, T.**, & Dolan, R. J. (2008). Oxytocin attenuates affective evaluations of conditioned faces and amygdala activity. *The Journal of Neuroscience*, 28(26), 6607–6615. doi: 10.1523/JNEUROSCI.4572-07.2008

- 16 Silani, G., Bird, G., Brindley, R., **Singer, T.**, Frith, C., & Frith, U. (2008). Levels of emotional awareness and autism: An fMRI study. *Social Neuroscience*, 3(2), 97–112. <https://doi.org/10.1080/17470910701577020>
- 15 **Singer, T.**, Snozzi, R., Bird, G., Petrovic, P., Silani, G., Heinrichs, M., & Dolan, R. J. (2008). Effects of oxytocin and prosocial behavior on brain responses to direct and vicariously experienced pain. *Emotion*, 8(6), 781–791. <https://psycnet.apa.org/doi/10.1037/a0014195>
- 14 Seymour, B., Daw, N., Dayan, P., **Singer, T.**, & Dolan, R. (2007). Differential encoding of losses and gains in the human striatum. *The Journal of Neuroscience*, 27(18), 4826–4831. doi: 10.1523/JNEUROSCI.0400-07.2007
- 13 Seymour, B., **Singer, T.**, & Dolan, R. (2007). The neurobiology of punishment. *Nature Reviews Neuroscience*, 8(4), 300–311. doi: 10.1038/nrn2119
- 12 de Vignemont, F., & **Singer, T.** (2006). The empathic brain: How, when and why? *Trends in Cognitive Sciences*, 10(10), 435–441. doi: 10.1016/j.tics.2006.08.008
- 11 Harrison, N. A., **Singer, T.**, Rotshtein, P., Dolan, R. J., & Critchley, H. D. (2006). Pupillary contagion: Central mechanisms engaged in sadness processing. *Social Cognitive and Affective Neuroscience*, 1(1), 5–17. <https://doi.org/10.1093/scan/nsi006>
- 10 **Singer, T.** (2006). The neuronal basis and ontogeny of empathy and mind reading: Review of literature and implications for future research. *Neuroscience and Biobehavioral Reviews*, 30(6), 855–863. doi: 10.1016/j.neubiorev.2006.06.011
- 9 **Singer, T.**, Seymour, B., O’Doherty, J. P., Stephan, K. E., Dolan, R. J., & Frith, C. D. (2006). Empathic neural responses are modulated by the perceived fairness of others. *Nature*, 439(7075), 466–469. doi: 10.1038/nature04271
- 8 **Singer, T.**, & Fehr, E. (2005). The neuroeconomics of mind reading and empathy. *American Economic Review*, 95(2), 340–345. doi: 10.1257/000282805774670103
- 7 **Singer, T.**, & Frith, C. (2005). The painful side of empathy: News & views. *Nature Neuroscience*, 8(7), 845–846. doi: 10.1038/nn0705-845
- 6 **Singer, T.**, Kiebel, S. J., Winston, J. S., Dolan, R. J., & Frith, C. D. (2004). Brain responses to the acquired moral status of faces. *Neuron*, 41(4), 653–662. doi: 10.1016/S0896-6273(04)00014-5
- 5 **Singer, T.**, Seymour, B., O’Doherty, J., Kaube, H., Dolan, R. J., & Frith, C. D. (2004). Empathy for pain involves the affective but not sensory components of pain. *Science*, 303(5661), 1157–1162. doi: 10.1126/science.1093535
- 4 **Singer, T.**, Lindenberger, U., & Baltes, P. B. (2003). Plasticity of memory for new learning in very old age: A story of major loss? *Psychology and Aging*, 18(2), 306–317. doi: 10.1037/0882-7974.18.2.306
- 3 **Singer, T.**, Verhaeghen, P., Ghisletta, P., Lindenberger, U., & Baltes, P. B. (2003). The fate of cognition in very old age: Six-year longitudinal in the Berlin Aging Study (BASE). *Psychology and Aging*, 18(2), 318–331. doi: 10.1037/0882-7974.18.2.318
- 2 Lindenberger, U., **Singer, T.**, & Baltes, P. B. (2002). Longitudinal selectivity in aging populations: Separating mortality-associated versus experimental components in the Berlin Aging Study (BASE). *Journal of Gerontology: Psychological Sciences*, 57B(6), P474–P482. doi: 10.1093/geronb/57.6.P474
- 1 Baltes, P. B., & **Singer, T.** (2001). Plasticity and the aging mind: An exemplar of the biocultural orchestration of brain and behavior. *European Review*, 9(1), 59–76. doi: 10.1017/S1062798701000060

Book chapters

- 33 Engen, H. G., & **Singer, T.** (2018). Deconstructing social emotions: Empathy and compassion and their relation to prosocial behavior. In A.S. Fox, R.C. Lapate, A.J. Shackman, R.J. Davidson (Eds.), *The nature of emotion* (2nd ed., pp. 172–177). New York, NY: Oxford University Press.

- 32 Engen, H. G., & **Singer, T.** (2018). Fighting fire with fire: Endogenous emotion generation as a means of emotion regulation. In A.S. Fox, R.C. Lapate, A.J. Shackman, R.J. Davidson (Eds.), *The nature of emotion* (2nd ed., pp. 233–237). New York, NY: Oxford University Press.
- 31 Klimecki, O. M., & **Singer, T.** (2017). The compassionate brain. In E. M. Seppälä, E. Simon-Thomas, S. L. Brown, M. C. Worline, C. D. Cameron, & J. R. Doty (Eds.), *The Oxford handbook of compassion science* (pp. 109–120). New York: Oxford University Press.
- 30 **Singer, T.** (2017). I feel your pain: The social neuroscience of empathy and compassion. In W. Hasenkamp, & J. R. White (Eds.), *The monastery in the microscope: Conversations with the Dalai Lama on mind, mindfulness, and the nature of reality* (pp. 234–269). New Haven, CT: Yale University Press.
- 29 Vrticka, P., Favre, P., & **Singer, T.** (2017). Compassion and the brain. In P. Gilbert (Ed.), *Compassion: Concepts, research and applications* (pp. 135–150). London, UK: Routledge.
- 28 Chierchia, G., & **Singer, T.** (2016). The neuroscience of compassion and empathy and their link to prosocial motivation and behavior. In J.-C. Dreher, & L. Tremblay (Eds.), *Decision neuroscience – An integrative perspective* (pp. 247–257). San Diego, CA: Elsevier.
- 27 Kanske, P., Böckler, A., & **Singer, T.** (2015). Models, mechanisms and moderators dissociating empathy and Theory of Mind. In M. Wöhr, & S. Krach (Eds.), *Current topics in behavioral neurosciences – Social behavior from rodents to humans: Neural foundations and clinical implications, Vol. 30* (pp. 193–206), Cham, Switzerland: Springer.
- 26 Klimecki, O. M., & **Singer, T.** (2015). *Compassion*. In A. W. Toga (Ed.), *Brain mapping: An encyclopedic reference, Vol. 3* (195–199) Oxford: Elsevier.
- 25 **Singer, T.** (2015). Perspektiven der Empathie- und Compassion-Forschung. In J. Nida-Rümelin, I. Spiegel, & M. Tiedemann (Eds.), *Handbuch der Philosophie und Ethik* (pp. 256–264). Paderborn: Ferdinand Schöningh.
- 24 Bornemann, B., & **Singer, T.** (2013). A cognitive neuroscience perspective - The ReSource model. In T. Singer, & M. Bolz (Eds.), *Compassion: Bridging practice and science* (pp. 296–324). Retrieved from <http://www.compassion-training.org>. Leipzig: Max Planck Institute for Human Cognitive and Brain Sciences.
- 23 Bornemann, B., & **Singer, T.** (2013). The ReSource training protocol. In T. Singer, & M. Bolz (Eds.), *Compassion: Bridging practice and science* (pp. 768–792). Retrieved from <http://www.compassion-training.org>. Leipzig: Max Planck Institute for Human Cognitive and Brain Sciences.
- 22 Bornemann, B., & **Singer, T.** (2013). What we do (not) mean by training. In T. Singer, & M. Bolz (Eds.), *Compassion: Bridging practice and science* (pp. 54–57). Retrieved from <http://www.compassion-training.org>. Leipzig: Max Planck Institute for Human Cognitive and Brain Sciences.
- 21 Klimecki, O. M., Ricard, M., & **Singer, T.** (2013). Empathy versus compassion – Lessons from 1st and 3rd person methods. In T. Singer, & M. Bolz (Eds.), *Compassion: Bridging practice and science* (pp. 464–487). Retrieved from <http://www.compassion-training.org>. Leipzig: Max Planck Institute for Human Cognitive and Brain Sciences.
- 20 Klimecki, O., & **Singer, T.** (2013). Empathy from the perspective of social neuroscience. In J. Armony, & P. Vuilleumier (Eds.), *The Cambridge handbook of human affective neuroscience* (pp. 533–551). New York: Cambridge University Press.
- 19 Leiberg, S., & **Singer, T.** (2013). Empathie. In E. Schroeger, & S. Koelsch (Eds.), *Enzyklopädie der Psychologie: Affektive und Kognitive Neurowissenschaft, Vol. 5, Kognition* (pp. 119–154). Göttingen: Hogrefe.
- 18 McCall, C., & **Singer, T.** (2013). Empathy and the brain. In S. Baron-Cohen, H. Tager-Flusberg, & M. Lombardo (Ed.), *Understanding other minds. Perspectives from developmental social neuroscience* (pp. 195–213). New York: Oxford University Press.

- 17 **Singer, T.**, & Tusche, A. (2013). Understanding others: Brain mechanisms of Theory of Mind and empathy. In P. W. Glimcher (Ed.), *Neuroeconomics. Decision making and the brain* (2nd ed., pp. 513–532). London, UK: Academic Press.
- 16 **Singer, T.**, & Hein, G. (2012). Human empathy through the lens of psychology and social neuroscience. In: de Waal, F. B. M.; Ferrari, P. F. (Eds.), *The primate mind: Built to connect with other minds* (pp. 158 – 174). Cambridge, MA: Harvard University Press.
- 15 Klimecki, O., & **Singer, T.** (2012). Empathic distress fatigue rather than compassion fatigue? Integrating findings from empathy research in psychology and social neuroscience. In B. Oakley, A. Knafo, G. Madhavan, & D. S. Wilson (Eds.), *Pathological altruism* (pp. 368–383). New York: Oxford University Press.
- 14 Frevert, U., & **Singer, T.** (2011). Empathie und ihre Blockaden. Über soziale Emotionen. In P. Gruss, & T. Bonhoeffer (Eds.), *Zukunft Gehirn. Neue Erkenntnisse, neue Herausforderungen* (pp. 121–146). Munich: C. H. Beck.
- 13 **Singer, T.**, & Decety, J. (2011). Social neuroscience of empathy. In J. Decety, & J. T. Cacioppo (Eds.), *The Oxford handbook of social neuroscience* (pp. 551–564). New York, NY: Oxford University Press.
- 12 Hein, G., & **Singer, T.** (2010). Neuroscience meets social psychology: An integrative approach to human empathy and prosocial behavior. In M. Mikulincer & P. R. Shaver (Eds.), *Prosocial motives, emotions, and behavior: The better angels of our nature* (pp. 109–125). Washington: American Psychological Association.
- 11 **Singer, T.**, & Leiberg, S. (2009). Sharing the emotions of others: The neural bases of empathy. In M. S. Gazzaniga (Ed.), *The cognitive neurosciences IV* (pp. 971–984). Cambridge, MA: MIT Press.
- 10 Snozzi, R., & **Singer, T.** (2009). Empathie aus der Sicht der sozialen Neurowissenschaften [Empathy from a social neuroscientific perspective]. In J. Fehr, & G. Folkers (Eds.), *Gefühle zeigen: Manifestationsformen emotionaler Prozesse* (Edition Collegium Helveticum, Band 5, pp. 97–113). Zurich, Switzerland: Chronos Verlag.
- 9 Lubell, M. (Rapporteur), Engel, C., Glimcher, P. W., Hastie, R., Rachlinski, J. J., Rockenbach, B., Selten, R., **Singer, T.**, & Weber, E. U. (2008). Institutional design: Capitalizing on the intuitive nature of decision making. In C. Engel & W. Singer (Eds.), *Strüngmann Forum report: Better than conscious? Decision making, the human mind, and implications for institutions* (pp. 413–432). Cambridge, MA: MIT Press.
- 8 McCabe, K., & **Singer, T.** (2008). Brain signatures of social decision making. In C. Engel & W. Singer (Eds.), *Strüngmann Forum report: Better than conscious? Decision making, the human mind, and implications for institutions* (pp. 103–122). Cambridge, MA: MIT Press.
- 7 **Singer, T.** (2008). Understanding others: Brain mechanisms of theory of mind and empathy. In P. W. Glimcher, C. F. Camerer, E. Fehr, & R. A. Poldrack (Eds.), *Neuroeconomics: Decision making and the brain* (pp. 233–250). Amsterdam: Elsevier.
- 6 **Singer, T.** (2007). The neuronal basis of empathy and fairness. In G. Bock & J. Goode (Eds.), *Empathy and fairness* (pp. 20–30; discussion pp. 30–40, 89–96, 216–221). Chichester, UK: Wiley.
- 5 **Singer, T.**, & Frith, C. (2006). The emergence of the "social" in cognitive neuroscience: The study of interacting brains. In P. A. M. van Lange (Ed.), *Bridging social psychology: Benefits of transdisciplinary approaches* (pp. 97–102). Hillsdale, NJ: Lawrence Erlbaum Associates.
- 4 **Singer, T.**, Wolpert, D., & Frith, C. (2004). Introduction: The study of social interactions. In C. Frith, & D. Wolpert (Eds.), *The neuroscience of social interaction: Decoding, imitating, and influencing the actions of others* (pp. xiii–xxvii). New York: Oxford University Press.
- 3 Heckhausen, J., & **Singer, T.** (2001). Plasticity in human behavior across the lifespan. In N. J. Smelser & P. B. Baltes (Eds.-in-Chief), *International encyclopedia of social and behavioral sciences* (Vol. 17, pp. 11497–11501). Oxford: Elsevier.
- 2 **Singer, T.** (2000). *Testing-the-Limits in einer mnemonischen Fähigkeit: Eine Studie zur kognitiven Plastizität im hohen Alter* [Testing-the-Limits in a mnemonic technique: A study of

cognitive plasticity in very old age]. Doctoral dissertation, Free University of Berlin. Retrievable from <https://refubium.fu-berlin.de/handle/fub188/7875>.

- 1 **Singer, T., & Lindenberger, U. (2000).** Plastizität [Plasticity]. In H.-W. Wahl, & C. Tesch-Römer (Eds.), *Angewandte Gerontologie in Schlüsselbegriffen* (pp. 39–43). Stuttgart: Kohlhammer.

Invited Talks | Plenary, Keynote, and Invited Conference Presentations

- Jun 2022 Sydvestjysk Hospital, Aarhus, Denmark (online)
- Jun 2022 Meditation Conference, Seoul, Korea (online)
- Mai 2022 Mount Madonna Center, Watsonville, USA
- Mai 2022 CCARE Lab, Stanford, USA
- May 2022 Othering and Belonging Institute, Berkeley, USA
- May 2022 International Boston Trauma Conference, Boston, USA
- May 2022 Harvard Medical School, Cambridge, USA (online)
- May 2022 Keynote, Birgit Segerfeld Conference on Neuroscience, Lund Sweden
- Nov 2022 ACC Compassion Research Conference, Sydney, Australia (online)
- Oct 2021 Keynote, Entrepreneur Summit, Berlin, Germany
- Oct 2021 Empathy Conference, DAI, Heidelberg, Germany (online)
- Oct 2021 Lecture Series, How to Academy, London, UK (online)
- Sept 2021 Lecture Series, Novartis Forum, Basel, Switzerland (online)
- June 2021 Scientific Panel, Academy for Neuroscientific Education Management (AFNB), Heidelberg, Germany (online)
- May 2021 International Boston Trauma Conference, Boston, USA (online)
- Apr 2021 Lecture Series, European Commission, Brussels, Belgium (online)
- Apr 2021 Speaker Series, McLean Hospital/Harvard Medical School Center for Depression, Anxiety, and Stress Research's (CDASR) (online)
- Mar 2021 Panel, Pioneers in Education, Berlin, Germany (online)
- Jan 2021 Lecture Series "Neuro Design", Hasso Plattner Institut, Potsdam, Germany (online)
- Nov 2020 Orchestrating Winning Performance, IMD, Lausanne, Switzerland (online)
- Nov 2020 Continental Trendcamp 2020, Regensburg, Germany (online)
- Nov 2020 Association of specialists for psychosomatic meditation and psychotherapy, Berlin, Germany (online)
- Oct 2020 Empathy Conference, DAI, Heidelberg, Germany
- Sept 2020 Mindful Doctor Conference, Berlin, Germany
- June 2020 Orchestrating Winning Performance, IMD, Lausanne, Switzerland (online)
- June 2020 Digitalität20, #schuleneudenken, Federal Chancellery, Berlin, Germany (online)
- May 2020 International Boston Trauma Conference, Boston, USA (online)
- Nov 2019 Vivir Agradecidos, Metta-Aprendizaje Project, General Pacheco, Buenos Aires, Argentina
- Nov 2019 Conferencia Bienestar Docente y Neurociencias, Buenos Aires, Argentina
- Nov 2019 Educando a Nuestro Futuro, The Learner Space, Buenos Aires, Argentina
- Nov 2019 Cordoba State University, Cordoba City, Argentina
- Nov 2019 Federal Ministry of Education from Argentina, Buenos Aires, Argentina

- Nov 2019 Red de Escuelas de Aprendizaje, Educational Assessment and New Educational Projects, Buenos Aires Province, Argentina
- Oct 2019 Panel, Contemplative Science Symposium, Mind and Life Europe, Fürstenfeldbruck, Germany
- Oct 2019 Panel, Science Art Meditation (SAM), Strasbourg, France
- Oct 2019 Institut Francais du Leadership Positif, Lyon, France
- Oct 2019 Fliedner Clinics, Berlin, Germany
- Aug 2019 Sophien & Hufeland Clinic, Weimar, Germany
- Aug 2019 Webbased Psychotherapy, Fliedner Clinics, Berlin, Germany
- July 2019 Tech Open Air Conference, Berlin, Germany
- June 2019 Wisdom Together Conference, Munich, Germany
- June 2019 Cortona Week 2019, Todi, Italy
- May 2019 Achtsamkeit, Heiligenfelder Kongress, Bad Kissingen, Germany
- Sept 2018 Vivir agradecidos, Buenos Aires, Argentina
- Sept 2018 Neurociencias Contemplativas, Isla El Descanso, Buenos Aires, Argentina
- Sept 2018 Educating our Future, CCK, Buenos Aires, Argentina
- May 2018 Federal Ministry of Defense (Germany)
- Apr 2018 Bogliasco Fellowship, Italy
- Apr 2018 National Institutes of Health (online Roundtable)
- Nov 2017 Contemplative Sciences Center, University of Virginia, Charlottesville, VA, USA
- Nov 2017 Symposium "The science of mindfulness and compassion", Harvard University, Cambridge, MA, USA
- Nov 2017 Massachusetts Institute of Technology, Cambridge, MA, USA
- Nov 2017 Yale Social Current Works Series, Yale University, New Haven, CT, USA
- Nov 2017 MITx ULab Live Session, Cambridge, MA, USA
- Oct 2017 Plenary Talk, Harvard Medical School Interprofessional Education Conference, Boston, MA, USA
- Oct 2017 Internal Family Systems Annual Conference "Self-led activism: Releasing your inner change agent", Providence, RI, USA
- Oct 2017 Center for Healthy Minds, University of Madison-Wisconsin, Madison, WI, USA
- July 2017 5th World Congress on Positive Psychology, Montreal, QC, Canada
- June 2017 Lecture, Mind & Life Summer Research Institute 2017 on Intersubjectivity and Social Connectivity
- May 2017 Lecture, "The brains that pull the triggers – 3rd Paris Conference on Syndrom E", Paris, France
- March 2017 Keynote Lecture, 59th Conference of Experimental Psychologists (Tagung experimentell arbeitender Psychologen; TeaP), Dresden, Germany
- March 2017 Lecture, The Berkeley Psychophysiology Laboratory, University of California, Berkeley, CA, USA
- March 2017 Keynote Lecture, 10th Annual Meeting of the Social and Affective Neuroscience Society (SANS), Los Angeles, CA, USA
- Feb 2017 Workshop, Oxford Masterclass, Oxford Mindfulness Centre, United Kingdom
- Jan 2017 Keynote Lecture, Budapest CEU Conference on Cognitive Development (BCCCD), Budapest, Hungary

- Dec 2016 Keynote Lecture, Hertie Institute for Clinical Brain Research, Tübingen, Germany
- Nov 2016 Talk, Meditation und Wissenschaft, Interdisziplinärer Kongress zur Meditations- und Bewusstseinsforschung, Berlin, Germany
- Nov 2016 Congress of the German Association for Psychiatry, Psychotherapy and Psychosomatics (DGPPN), Berlin, Germany
- Oct 2016 Mindsight Congress, Berlin, Germany
- Oct 2016 Center for Mindfulness, Worcester, MA, USA
- Oct 2016 Center for Mindfulness and Compassion, Somerville, MA, USA
- Oct 2016 Brown University, Providence, RI, USA
- Oct 2016 Center for Compassion and Altruism Research and Education, Harvard Medical School, Boston, MA, USA
- Oct 2016 Institute for Advanced Sustainability Studies e. V. (IASS), Potsdam, Germany
- Sept 2016 Opening of the Leipzig Research Center for Early Child Development (Leipziger Forschungszentrum für frühkindliche Entwicklung), Leipzig, Germany
- Sept 2016 50th Congress of German Society for Psychology, Leipzig, Germany
- Sept 2016 Meeting with H. H. the 14th Dalai Lama, Strasbourg, France
- Sept 2016 ERC Scientific Seminars, Brussels, Belgium
- Sept 2016 Power and Care Conference. "A Mind & Life Dialogue with H. H. the Dalai Lama", Brussels, Belgium
- April 2016 The European Neurophenomenology, Contemplative, and Embodied Cognition Network (ENCECON), Château de la Bourlie, Urval, France
- Nov 2015 Keynote Lecture, Central Institute of Mental Health (Zentralinstitut für Seelische Gesundheit), Scientific Symposium „WISSEN.SCHAFT.GESUNDHEIT, Mannheim, Germany
- Nov 2015 Global Social Business Summit, Berlin, Germany
- Oct 2015 Global Economic Symposium (GES), Kiel, Germany
- Aug 2015 Mind & Life European Summer Research Institute (ESRI), Chiemsee, Germany
- July 2015 Keynote Lecture, International Society for Research on Emotion (ISRE), Geneva, Switzerland
- June 2015 University of Oxford, United Kingdom
- June 2015 Institute of Government, London, United Kingdom
- June 2015 Institute of Philosophy, School of Advanced Study, University of London, United Kingdom
- June 2015 MRC Social, Genetic, & Developmental Psychiatry (SGDC) Centre, Institute of Psychiatry, King's College London, United Kingdom
- June 2015 Institute of Cognitive Neuroscience, University College London, United Kingdom
- June 2015 Psychotherapeutenkammer, Berlin, Germany
- May 2015 BDVT Camp, Berlin, Germany
- April 2015 4th Annual Lecture in Cognitive Science, Colloquium, University of Vienna, Austria
- April 2015 Tage der Utopie, St. Arbogast, Austria
- April 2015 Novartis, Basel, Switzerland
- March 2015 International Convention on Psychological Science (ICPS), Amsterdam, the Netherlands
- Feb 2015 LEAD, Leadership Symposium, Berlin, Germany

- Feb 2015 Berlin symposium "Towards an ecology of life and mind: Bridging being and doing in shifting times", Berlin, Germany
- Jan 2015 45th Annual Meeting of the World Economic Forum (WEF), Davos, Switzerland
- Dec 2014 LeWeb, Paris, France
- Dec 2014 DEC Colloquium, Cognitive Science Department, École Normale Supérieure (ENS), Paris, France
- Nov 2014 Congress of the German Association for Psychiatry, Psychotherapy and Psychosomatics (DGPPN), Berlin, Germany
- Nov 2014 8th MBSR-MBCT Conference, Leipzig, Germany
- Nov 2014 Colloquium, Department of Psychology, Harvard University, Cambridge, MA, USA
- Nov 2014 Mind & Life Institute, Amherst College, MA, USA
- Nov 2014 Keynote Talk, International Symposium for Contemplative Studies (ISCS), Boston, MA, USA
- Oct 2014 Congress "Brain circuits for positive emotions", Monte Verità, Ascona, Switzerland
- Sept 2014 Wisdom2.0 – Fostering Wisdom & Wellness in the Technology Age, Google, Dublin, Ireland
- Aug 2014 Mind & Life European Summer Research Institute (ESRI) "Towards a contemplative science in Europe", Frauenchiemsee, Germany
- July 2014 Symposium "Vertrauen: Erosion eines Grundpfeilers unseres gesellschaftlichen Zusammenhalts?", Alfred Herrhausen Society, Berlin, Germany
- June 2014 Netzwerktreffen, St. Arborgast, Austria
- June 2014 Satellite Symposium "New perspectives and future directions in social neuroscience", Marburg, Germany
- April 2014 Society for Affective Science (SAS), Washington, DC, USA
- April 2014 2nd Spirit of Humanity Forum "The power of love and compassion in governance – Sharing actions for effective change", Reykjavik, Iceland
- Jan 2014 44th Annual Meeting of the World Economic Forum (WEF), Davos, Switzerland
- Jan 2014 DLD14 Conference, Munich, Germany
- Oct 2013 Semester Opening Lecture, Berlin School of Mind and Brain, Germany
- Oct 2013 Planning Meeting for a MaxNetIdentity, MPG-Wissenschaftsforum, Berlin, Germany
- Oct 2013 Symposium for Contemplative Studies, Mind & Life Europe, Berlin, Germany
- Oct 2013 Global Economic Symposium (GES), Kiel, Germany
- June 2013 Congress "Achtsamkeit und Mitgefühl in Medizin, Therapie und Gesellschaft", Freiburg, Germany
- June 2013 Symposium "Fostering learning through emotions and immersive environments", Geneva, Switzerland
- May 2013 4th International Forum on Buddhism and Medicine "Empathy, compassion and health", Lerab Ling, France
- May 2013 3rd Symposium on Biology of Decision-Making (SBDM), Paris, France
- April 2013 "Processwork meets science – Focus empathy", Hanuman Institute, Berlin, Germany
- Jan 2013 Delhi University, Delhi, India
- Jan 2013 Mind & Life XXVI Conference "Mind, brain, and matter", Drepung Monastery, Mundgod, Karnataka, India
- Oct 2012 Global Economic Symposium (GES), Rio de Janeiro, Brazil

- July 2012 ASSC16 Association for the Scientific Study of Consciousness, Brighton, United Kingdom
- June 2012 Technical University of Munich, Germany
- June 2012 Evangelische Stadtakademie, Munich, Germany
- June 2012 Süddeutsche Zeitung Auditorium, Munich, Germany
- June 2012 Ludwig Maximilian University Munich, Germany
- June 2012 Presencing Global Forum, Berlin, Germany
- May 2012 Bauhaus University Weimar, Germany
- Apr 2012 International Symposia for Contemplative Studies, Denver, CO, USA
- Apr 2012 Social & Affective Neuroscience Meeting (SAN), New York, NY, USA
- Mar 2012 Brain Awareness Week, Urania, Berlin, Germany
- Feb 2012 Max Planck Forum, Berlin, Germany
- Feb 2012 Institute Colloquium, Humboldt University Berlin, Germany
- Feb 2012 Bühlerkolloquium, Technical University of Dresden, Germany
- Jan 2012 42nd Annual Meeting of the World Economic Forum, Davos, Switzerland
- Oct 2011 MBSR-MBCT Conference 2011, Berlin, Germany
- Oct 2011 International Symposium "Neurobiological correlates of social relations", Freiburg, Germany
- Sep 2011 Conference "Prendre soin de soi, prendre soin des autres", Brussels, Belgium
- Sep 2011 43rd European Brain and Behaviour Society Meeting, Seville, Spain
- July 2011 Workshop "How to train compassion", Berlin, Germany
- July 2011 EASP pre-conference "Social psychology and the neurosciences: Perspectives and pitfalls", Stockholm, Sweden
- July 2011 Conference "Empathy and the blocking of empathy", Berlin, Germany
- May 2011 Conference "Implications of research on the neuroscience of affect, attachment and social cognition", London, United Kingdom
- April 2011 Workshop "The social brain", Cambridge, United Kingdom
- Mar 2011 Conference "Opportunities and challenges in social neuroscience", Utrecht, the Netherlands
- Mar 2011 Anniversary Symposium of the Freiburger Ausbildungsinstitut für Verhaltenstherapie, Albert Ludwig University Freiburg, Germany
- Feb 2011 4th Scientific Meeting for Autism Spectrum Conditions (WTAS), Berlin, Germany
- Feb 2011 Minisymposium "Neuro- und Verhaltensbiologie", Berlin-Brandenburg Academy of Sciences and Humanities (BBAW), Berlin, Germany
- Feb 2011 Colloquium at the Max Planck Institute for Psychiatry, Munich, Germany
- Jan 2011 41st Annual Meeting of the World Economic Forum, Davos, Switzerland
- Jan 2011 6th Edition of the Alpine Brain Imaging Meeting, Champéry, Switzerland
- Dec 2010 Conference "New frontiers in brain research", Berlin, Germany
- Dec 2010 Conference "The second person perspective", Berlin, Germany
- Nov 2010 Congress "Meditation & Wissenschaft", Berlin, Germany
- Nov 2010 Symposium "Interacting minds: An interdisciplinary approach to social cognition", Berlin, Germany
- Nov 2010 Berlin Alexithymia Conference 2010, Germany

- Nov 2010 Falling Walls 2010 – The Berlin Conference on Future Breakthroughs in Science and Society, Berlin, Germany
- Nov 2010 Congress “Anxiété < > Dépression: Dimensions relationelles”, Association Française des Troubles Anxieux et de la Dépression (AFTAD), Paris, France
- Oct 2010 Laudation, Fairness Stiftung, Frankfurt, Germany
- Oct 2010 Symposium “The embodied mind: Perspectives and limitations”, Radboud University, Nijmegen, the Netherlands
- Sep 2010 INCORE Conference “Cooperation: An interdisciplinary dialogue”, Budapest, Hungary
- June 2010 Nobel Forum, Karolinska Institute (200-year anniversary), Stockholm, Sweden
- May 2010 3rd Annual Meeting of the Law and Neuroscience Project (supported by the MacArthur Foundation), Santa Barbara, CA, USA
- May 2010 Center for Compassion and Altruism Research and Education (CCARE) Meng-Wu Lecture Series, Stanford University School of Medicine, Stanford, CA, USA
- May 2010 Sage Center for the Study of the Mind, University of California, Santa Barbara, CA, USA
- April 2010 Mind & Life XX Conference “Altruism and compassion in economic systems: A dialogue at the interface of economics, neuroscience and contemplative sciences”, Zurich, Switzerland
- Mar 2010 “Meditation, empathy, and embodiment” (12th Meeting of the Junior Researchers’ Group Philosophy of the Mind), University Hospital Zurich, Switzerland
- Dec 2009 University of Konstanz, Germany
- Aug 2009 Podium discussion “Does meditation influence our brain” with H.H. the 14th Dalai Lama and Matthieu Ricard, Frankfurt/Main, Germany
- Jul 2009 Conference “Compassion”, Max Planck Institute for Human Development, Berlin, Germany
- Jun 2009 Conference “Doing emotions: Past, present, and future”, Max Planck Institute for Human Development, Berlin, Germany
- Jun 2009 Conference “The primate mind: Built to connect with other minds” (organized by F.B.M. de Waal, Yerkes National Primate Research Center, Emory University, Atlanta, & P.F. Ferrari, Università degli studi di Parma), Erice, Sicily, Italy
- May 2009 Stockholm Brain Institute Lecture, Karolinska University Hospital, Stockholm, Sweden
- Mar 2009 Compassion Definitions Conference, Stanford University, Stanford, CA, USA
- Jan 2009 Inaugural Conference on Buddhism and Science (with Tenzin Gyatso, H. H. the 14th Dalai Lama), Central University of Tibetan Studies, Sarnath, India
- Dec 2008 Conference of the Dutch Scientific Social Psychology Association, VU University Amsterdam, the Netherlands
- Nov 2008 Symposium “Cognitive neuroscience: From molecule to man” (on the occasion of the opening of the Donders Institute for Brain, Cognition and Behaviour), Radboud University Nijmegen, the Netherlands
- Nov 2008 Conference “Values and empathy across social barriers: A neurocognitive approach to fairness: The first Barcelona social neuroscience conference” (organized by the New York Academy of Sciences, the Fundació Catalana per a la Recerca i la Innovació, the Càtedra UAB “el cervell social” and the European Science Foundation), Fundació “La Caixa”, The Science Museum of the Caixa Foundation, Barcelona, Spain
- Oct 2008 2nd Annual Conference on Happiness & Its Causes, World Happiness Forum, London, United Kingdom
- Sep 2008 European Science Foundation Exploratory Workshop on Mirror Neurons and Social Cognition, Turin, Italy

- Sep 2008 Cortona 2008: "Belief vs. knowledge", Cortona, Italy
- Aug 2008 8th International Congress of the F. M. Alexander Technique, Lugano, Switzerland
- May 2008 Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
- Apr 2008 Free University, Berlin, Germany
- Apr 2008 Mind & Life Meeting with H.H. the 14th Dalai Lama, Ann Arbor, MI, USA
- Apr 2008 Department of Psychiatry, University of California, San Francisco, CA, USA
- Mar 2008 BrainFair 2008: Emotions, University of Zurich, Switzerland
- Mar 2008 Interacting Minds Project, Aarhus University Hospital, Aarhus C, Denmark
- Nov 2007 The Compassionate Mind (with Matthieu Ricard, Tibet), Dana Centre, London, United Kingdom
- Nov 2007 Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
- Oct 2007 Max Planck Institute for Human Development, Berlin, Germany
- Oct 2007 Presidential Lecture at the German Pain Congress, Berlin, Germany
- Sep 2007 Neuroscience Center Zurich (ZNZ) Symposium 2007, University of Zurich, Switzerland
- Jul 2007 Summer camp "Synergy: The intelligence of the collective", Center for Experimental Societal Design (ZEGG), Belzig, Germany
- Jul 2007 University Clinic Hamburg-Eppendorf, Research Focus Group: Neurosciences, Hamburg, Germany
- Jul 2007 Neurofinance Symposium, Zurich, Switzerland
- Jun 2007 Ernst Strüngmann Forum, Frankfurt Institute for Advanced Studies (FIAS), Frankfurt/Main, Germany
- Jun 2007 6th Zurich Symposium for Clinical Psychiatry, Psychiatric University Clinic, Zurich, Switzerland
- May 2007 NCCR Affective Sciences Workshop "Empathy and prosocial behavior: Are they linked?", Geneva, Switzerland
- Apr 2007 Conference "Mind & Life XIV: A dialogue on the universe in a single atom" (with Tenzin Gyatso, H. H. the 14th Dalai Lama), Dharamsala, India
- Mar 2007 Biology of Prosocial Behavior Workshop, Consulate of Switzerland, Swiss House for Advanced Research and Education (SHARE), Cambridge, MA, USA
- Feb 2007 "Social brain" Neurology Symposium, Valens, Switzerland
- Jan 2007 Collegium Helveticum Lectures „Gefühle zeigen – Manifestationsformen emotionaler Prozesse“, Zurich, Switzerland
- Dec 2006 GlaxoSmithKline Advanced Lectures on Clinical and Experimental Neurology, "Social Cognition", London, United Kingdom
- Jul 2006 Max Planck Institute for Human Development, Berlin, Germany
- Apr 2006 Health Emotion Symposium: Social Brain, Madison, WI, USA
- Apr 2006 United Kingdom–German Frontier of Science Meeting, Cambridge, United Kingdom
- Mar 2006 Gruter Institute, Cambridge, United Kingdom
- Mar 2006 Brain Awareness Week, Rome, Italy
- Mar 2006 Collège de France, Paris, France
- Mar 2006 Institut Jean Nicod, Paris, France
- Jan 2006 McGovern Institute for Brain Research at MIT, Boston, MA, USA
- Dec 2005 International Workshop "Contribution of mirroring processes to human mindreading", Château de Maffliers, France

- Oct 2005 Novartis Symposium "Empathy and fairness", London, United Kingdom
- Jun 2005 Institut des Sciences Cognitives, Lyon, France
- Jun 2005 Brain Meeting, Wellcome Department of Imaging Neuroscience, London, United Kingdom
- May 2005 Max Planck Institute for Human Cognitive and Brain Sciences, Department of Psychology, Munich, Germany
- May 2005 Institute of Psychiatry, Munich, Germany
- May 2005 Bernard Wolfe Health Neuroscience Symposium, Cambridge, United Kingdom
- Apr 2005 Helmholtz Club, University of California, Irvine, CA, USA
- Apr 2005 Brain Research Institute, University of California, Los Angeles, CA, USA
- Apr 2005 California Institute of Technology, Pasadena, CA, USA
- Apr 2005 Salk Institute, La Jolla, CA, USA
- Mar 2005 Cognitive Brain Seminar, University of Geneva, Switzerland
- Mar 2005 L'altruisme: ses mecanismes et ses fonctions, Veme Recontre du Group "Cerveau-Esprit", Sion, Switzerland
- Jan 2005 Neuroscientific Foundations of Economics, Annual Meeting of the American Economic Association, Philadelphia, PA
- Nov 2004 Academia Helvetica, Zurich, Switzerland
- Sep 2004 Symposium "Brain-behavior dynamics across the lifespan: Methods and concepts", Max Planck Institute for Human Development, Berlin-Doelln, Germany
- May 2004 School of Psychology, University of Wales, Bangor, United Kingdom
- Feb 2004 Symposium "The emotional basis of cooperation and punishment", Santa Fe Institute, Santa Fe, New Mexico
- Jan 2004 Institute of Psychology, University of Vienna, Austria
- Jan 2004 Symposium "Dance and the brain", Bockenheim Depot, Municipal Theater and Opera, Frankfurt am Main, Germany
- Jan 2004 Symposium "Neuroscience and economics", Functional Imaging Laboratory, London, United Kingdom
- Oct 2003 Methods Seminar, Wellcome Department of Imaging Neuroscience, London, United Kingdom
- Sep 2002 Summer school entitled "Young academy of emotions", Villa Vigoni, Lovenno di Menaggio (Como), Italy
- Sep 2002 Paper presented at the 43rd Meeting of the German Psychological Society (DGPs), Berlin, Germany
- Oct 2001 Department of Psychology, Philipp University Marburg, Germany
- Jul 2001 3rd International Conference on Memory, Valencia, Spain
- Mar 2001 5th Biennial Meeting of the German Society for Gerontopsychiatry and -psychotherapy (DGGPP), Berlin, Germany