

## CURRICULUM VITAE

### **Dr. Olga Maria Klimecki (-Lenz)**

(born: Klimecki)

associate senior researcher University of Geneva,  
Switzerland & Technische Universität Dresden, Germany

one child (born 2016)



### **RESEARCH TOPICS**

- Understanding the role of emotions in conflict resolution and promoting conflict resolution through interventions
- Promoting healthy ageing through non-pharmacological interventions (meditation training, foreign language learning, and health education)
- Key methods: computational neuroscience, biopsychology, psychophysiology, randomized trials, social neuroscience, affective psychology, economy

**POSITIONS**

- Since 01/2022* Self-employed (consulting, training, and meditation)
- 09/2020-12/2021* Eleonore-Trefftz Guest Professor, Faculty of Psychology, Technische Universität Dresden, Germany.
- 09/2019-08/2020* Maître Assistante (senior researcher, lecturer, and group leader), School of Social Sciences, University of Geneva, Switzerland.
- 08/2016-08/2019* Maître Assistante (senior researcher, lecturer, and group leader), Psychology, University of Geneva, Switzerland.
- 10/2016-02/2017* Maternity leave (I worked part-time from 03/2017-08/2020).
- 01/2015-07/2016* Post-doctoral researcher, Psychology with Prof. David Sander, University of Geneva, Switzerland.
- 01/2013-01/2015* Marie-Curie/Bridge postdoctoral fellow, Swiss Center for Affective Sciences, Medicine and Psychology with Prof. David Sander and Prof. Patrik Vuilleumier, University of Geneva, Switzerland.
- 09/2012-12/2012* Postdoctoral researcher with Prof. Tania Singer, Max-Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.
- 09/2010-09/2012* Assistant researcher with Prof. Tania Singer, Max-Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.
- 10/2007-9/2010* Assistant researcher with Prof. Tania Singer, Institute of Empirical Economics (Director: Prof. Ernst Fehr), University of Zurich, Switzerland.

**RANKINGS FOR PROFESSORSHIPS**

2. place for W2 Professorship Social Neuroscience, University of Jena, Germany (procedure concluded in 2019).

**EDUCATION**

- since 2021* Pursuing my habilitation in psychology, Technische Universität Dresden, Germany.
- 2013* PhD in psychology (summa cum laude), University of Zurich, Switzerland; supervisors: Prof. Lutz Jäncke, Prof. Tania Singer.
- 2006-2007* MSc in neuroscience, University College London, UK. Supervisor: Dr. Beau Lotto, Institute of Ophthalmology.
- 2006-2006* Diplomarbeit (comparable to a master's thesis, grade: very good), psychology, Johannes Gutenberg University, Mainz, Germany. Supervisors: Prof. Gerd Vossel, Matthias Gamer.
- 2005* Vordiplom (comparable to a BA, grade: very good), psychology, Johannes Gutenberg University, Mainz, Germany.
- 2003* Abitur (final high school examination, grade: very good), Wiesbaden, Germany.

**ADDITIONAL QUALIFICATIONS**

- 2021-2023* Training as a Mindfulness Meditation Teacher, The Awareness Training Institute and the Greater Good Science Center, University of California, Berkeley, USA.
- 2020-2022* Advanced Master Program on the Treatment of Trauma, the National Institute for the Clinical Application of Behavioral Medicine, USA.
- 2020* Mediation training "Mediating and Facilitating Large Group, Multi-Stakeholder, Consensus Building Processes" with Kenneth Cloke, Geneva, Switzerland.
- 2016* Mediation master class "Difficult Mediations" with Kenneth Cloke, Geneva, Switzerland.
- 2007 - 2010* Graduate of the Doctoral School of the Neuroscience Center Zurich, University of Zurich, Switzerland.
- 2007 - 2010* Yearly participation to courses on SPM (Statistical Parametric Mapping) for the analysis of neuroimaging data at the University of Zurich, Switzerland.
- 2004 - 2007* As a scholar of the "Studienstiftung des deutschen Volkes" (German National Academic Foundation) participation in i) a summer school on "Mathematical Modelling of Neural Functions" with Prof. Dr. Karl Friston (University College London, UK) and Dr. Klaas Enno Stephan (University College London, UK), ii) a language course in English (UK) and iii) courses of lectures on neuroscience.

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**THIRD PARTY FUNDING, PRIZES, AND FELLOWSHIPS**

- 10/2021-09/2025* Fonds National Suisse de la Recherche Scientific “Mindfulness-Based Intervention to reduce stress and improve prosocial skills for health-care students: a translational RCT integrating clinical, neuroimaging and biomedical outcomes” (CHF 632’000; grant number: 32003B\_205111/1; Role: partner)
- 01/2016-03/2022* European Commission, Horizon 2020 “Medit-Ageing” (project ID: 667696; total grant volume: EUR 6’992’006; my workpackage “Emotion”: EUR 860’375).
- 07/2017-07/2022* Deutsche Forschungsgemeinschaft Network “Understanding Others – Integration of Social Cognitive and Affective Processes” (with Dr. Dana Schneider, EUR 35’291; project ID: 387279900).
- 09/2020 – 12/2021* BMBF/ Technische Universität Dresden (ca. 100’000 EUR).
- 12/2018-01/2020* Swiss Federal Department of Foreign Affairs for the project “The impact of teaching humanitarian values on international conflict resolution” (CHF 20’000)
- 08/2018-12/2018* Swiss Center for Affective Sciences, “The impact of mediation on couple conflict” (with Prof. David Sander, CHF 20’000)
- 07/2018-12/2018* Swiss Center for Affective Sciences, “The impact of sleep deprivation on couple conflict” (with Prof. David Sander, CHF 20’000)
- 07/2016-08/2017* National Center of Competence in Research (NCCR) “The Role of Emotions in Conflict Resolution” with Prof. David Sander (CHF 77’000).
- 11/2015-08/2017* National Center of Competence in Research (NCCR) “Affective and Social Signals in Mediation” (CHF 5’000).
- 2014* Early Career Award, Society for Social Neuroscience (Washington, DC, USA).
- 2013* Evens Science Prize “Upregulating the neural substrates of empathy via neurofeedback” with Prof. John Gruzelier, Prof. David Sander and Dr. Tomas Ros (EUR 30’000).
- 01/2013-01/2015* Marie Curie/Bridge postdoctoral fellowship for the University of Geneva, Switzerland (about CHF 250’000).
- 10/2008-10/2009* Research Funding, University of Zurich, “Neural Foundations of Empathy Learning” (Forschungskredit No 53990601; CHF 43’776).

*10/2008-09/2010* Research Funding, Neuroscience Center Zurich, “Neural foundations of empathy training”, (EUR 142’800) with Prof. Tania Singer.

*2004 - 09/2007* Scholar of the German National Academic Foundation (Studienstiftung des deutschen Volkes).

### **ORGANIZATION OF CONFERENCES, WORKSHOPS AND SYMPOSIA**

*03/2020* Workshop “Understanding others” – online event.

*11/2019* Public conference “Brain Health Across the Lifespan” (co-organizers: Lifebrain & German Brain Council), Berlin, Germany.

*11/2019* Medit-Ageing consortium meeting in Berlin, Germany.

*09/2019* Workshop “Understanding others”, Erfurt, Germany.

*07/2019* Symposium “Interdisciplinary Perspective on Compassion and the effects of Compassion Training”, International Society for Research on Emotion, Amsterdam, the Netherlands.

*09/2018* Workshop “Approches scientifiques sur le rôle des émotions dans les conflits”, Geneva, Switzerland.

*10/2017* International Workshop “Understanding Others – Integration of Social Cognitive and Affective Processes”, Jena, Germany (with Dr. Dana Schneider).

*03/2017* Symposium “The role of Theory of Mind and Empathy in Human Interactions from a Psychological and Neuroscientific Perspective”, International Convention of Psychological Science, Vienna, Austria (with Dr. Dana Schneider).

*02/2016* Workshop with Prof. Eran Halperin, Prof. Simon Hug and Maud Roure (Interpeace): “The role of emotions in conflict resolution”, Geneva, Switzerland.

*10/2015* Workshop “How Can Neurobiology and Affective Sciences Contribute to Conflict Resolution?”, Geneva Peace Week, Switzerland.

*10/2015* Two workshops “What does neuroscience tell us about human conflict?”, conference “conflict matters”, Brussels, Belgium (with Francois Bogacz and Jeremy Lack).

*07/2015* Symposium “The Role of Emotions in Negotiation and Conflict Resolution”, International Society for Research on Emotion, Geneva, Switzerland.

*07/2015* Workshop “Applying affective sciences to conflict resolution and peacebuilding – bridging research and practice”, International Society for Research on Emotion, Geneva, Switzerland (with Francois Bogacz and Jeremy Lack).

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- 04/2012* Symposium “Neural Substrates of Compassion” at the International Symposia for Contemplative Studies, in Denver, USA.
- 01/2006-3/2006* Assisted for conference “Tagung experimentell arbeitender Psychologen” (Conference on Experimental Psychology), in Mainz, Germany.

## TEACHING

- 2022* Summer School “Mindfulness for mediators“, Achtsamkeitsakademie, Tirol, Austria.
- 2022* Course “Trauma-sensitive teaching and training“, Pädagogische Hochschule Zug, Switzerland.
- 2022* Course “Impact of humanitarian value training on intergroup helping“, Pädagogische Hochschule Zug, Switzerland.
- 2022* Course “Emotional Intelligence“, Pädagogische Hochschule Zug, Switzerland.
- 2022* Block lecture “Gelingende soziale Interaktionen“, Akademie für Neurowissenschaftliche Bildung, Köln, Deutschland.
- 2021 & 2022* Course “Plasticity of the social brain and meditation“, Université de Lyon, France.
- 2020 - 2022* Courses “Impact of meditation on the brain development“, High School for Management, Geneva, Switzerland.
- spring 2021* Summer School Mindfulness – from Neurobiology to Psychotherapy, Universität Würzburg, Germany.
- spring 2021* Seminar “Achtsamkeitsmeditation” (Mindfulness Meditation), master in clinical psychology and psychotherapy, Technische Universität Dresden, Germany.
- 2020 & 2021* Guest Lecture “Healthy Ageing”, bachelor in psychology, University of Jena, Germany.
- autumn 2020* Co-organization of the colloquium “Aktuelle klinisch-psychologische Forschungsfragen“, Technische Universität Dresden, Germany (with Prof. Philipp Kanske).
- autumn 2019* Seminar and tutorial “Emotions and Conflict Resolution”, master in political sciences and social sciences, University of Geneva, Switzerland.

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- autumn 2019* Lecture series and tutorial “Emotions, Individual behavior and Collective Actions”, bachelor in social sciences and psychology, University of Geneva, Switzerland.
- 03/2017* Single Lecture “Involvement of the social brain in cooperation and competition”, biology and psychology, University of Geneva, Switzerland.
- 04/2016* Course “Empathie et Compassion”, Haute école de travail social et de la santé, Lausanne, Switzerland.
- 2016 & 2017* Seminar “Emotions et conflits”, master in psychology, University of Geneva, Switzerland.
- 2016 - 2018* Course “Neuroscience and Conflict Resolution”, Geneva Centre for Security Policy, Switzerland.
- 2014; 2 x 2016* Course “Compassion and Neuroscience”, Diplôme Universitaire de Médecine Méditation et Neurosciences, University of Strasbourg, France.
- 10/2015* Single Lecture “Influence of emotions on cognition and decision-making”, master in Psychology, University of Geneva, Switzerland.
- autumn 2015* Block Lectures “Empathie Training” (Empathy Training), Institut für Psychologie-Transfer, Zurich, Switzerland.
- 2015- 2019* Block Lectures “Gehirn und Verhalten” (Brain and Behavior), Institut für Psychologie-Transfer, Zurich, Switzerland.
- 2014, 2016, 2017* Single Lecture “Compassion et Empathie”, bachelor in Psychology, University of Geneva, Switzerland.
- 08/2014* Summer Research Institute of Mind and Life Europe “Training Compassion - Effects on Subjective Experience, Prosocial Behavior and Brain Function”, Fraueninsel, Chiemsee, Germany.
- 11/2013* Block Lectures “Training: Mitgefühl und Empathie aus neuropsychologischer Perspektive” (Training compassion and empathy from a neuropsychological perspective), Institut für Psychologie-Transfer, Zurich, Switzerland.
- 2008 & 2009* Seminar “Social Neuroscience”, graduate students from all disciplines, University of Zurich, Switzerland (with Romana Snozzi).

**SUPERVISIONS****Post-doctoral researchers** (University of Geneva, Switzerland)

- Since 2022* Dr. Patricia Cernadas Curotto (Psychology; with Profs. David Sander & Eran Halperin).
- 2019-2021* Dr. Yacila Deza-Araujo (Neuroscience; with Prof. Patrik Vuilleumier).

**PhD students**University of Geneva, Switzerland

- 2016-2022* Patricia Cernadas Curotto (Psychology): “Testing compassion as a new emotion regulation strategy for promoting conflict resolution” (with Prof. Eran Halperin, Hebrew University of Jerusalem, Israel, and Prof. David Sander).
- Since 2020* Marco Schlosser (Psychology): “Meditation and Individual Differences” (with Prof. Natalie Marchant, University College London and Prof. Matthias Kliegel).
- Since 2016* Sebastian Baez Lugo (Neuroscience): “Physiological and Neuroscientific Basis of Emotion Regulation in Elderly” (with Prof. Patrik Vuilleumier).

Technische Universität Dresden (Germany)

- Since 2021* Francois Bogacz (Psychology): “Improving conflict resolution in mediation” (with Prof. Philipp Kanske).

**Master Students**Technische Universität Dresden (Germany)

- 2022* Flora Hähnel (Psychology, with Prof. Philipp Kanske).
- 2022* Nicole Fichtner (Psychology, with Prof. Philipp Kanske).
- 2021-2022* Ylenia D’Elia (Psychology).

University College London (UK)

- 2020* Freya Koutsoubelis (Psychology; with Dr. Natalie Marchant, UCL, UK).

University of Jena (Germany)

- 2019-2020* Natalie Pfaff (Psychology; with Prof. Stefan Schweinberger, University of Jena, Germany).

University of Geneva (Switzerland)

- 2020-2022* Ynès Buoamoud (Psychology; with Prof. Didier Grandjean).
- 2017-2020* Christel Maradan (Neuroscience; with Prof. Patrik Vuilleumier and Sebastian Baez Lugo).
- 2017-2019* Benjamin Boaz Feldman (Psychology; with Prof. David Sander and Patricia Cernadas Curotto).
- 2017-2019* Clara Bordas (Medicine; with Prof. Patrik Vuilleumier and Sebastian Baez Lugo).
- 2017-2019* Silvia De Cataldo (Medicine; with Prof. Patrik Vuilleumier and Sebastian Baez Lugo).
- 2017-2019* Gladys Balthasar (Psychology; with Prof. David Sander and Patricia Cernadas Curotto).

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- 2017-2019 Caroline Miron-Lapointe (Psychology; with Prof. David Sander and Patricia Cernadas Curotto).
- 2017-2019 Julia Sachs (Psychology; with Prof. David Sander and Sebastian Baez Lugo).
- 2016-2019 Matthieu Vétois (Psychology; with Prof. David Sander).
- 2016-2018 Niloufar Pouyan (Neuroscience; with Prof. Christine Mohr, University of Lausanne).
- 2016-2018 Halima Rafi (Neuroscience; with Prof. David Sander).
- 2015-2017 Linda Amrar (Psychology; with Prof. David Sander).
- 2014-2016 Milica Garic (Psychology; with Prof. David Sander).
- 2014-2016 Lucien Gyger (Neuroscience; with Prof. David Sander).
- 2013-2015 Alexandra Anastaze (Psychology; with Prof. David Sander).

University of Zurich (Switzerland)

2010-2011 Etna Engeli (Psychology; with Prof. Tania Singer).

In addition supervision of more than 45 Bachelor students and Master students in internships.

**Research Assistants**

University of Zurich (Switzerland)

Sabine Wahler (2009).

University of Geneva (Switzerland)

Patricia Cernadas Curotto (2016-2017), Matthieu Vétois (2016-2017), Tiffany Martin (2018), Hélène Maurer (2018), Halima Rafi (2019), Cora Aguirre (2018-2020), Emna el May (2018-2020), Marco Schlosser (2020), Christel Maradan (2020).

Technische Universität Dresden (Germany)

Julia Stietz (2021-2022).

**PUBLICATIONS****Peer Reviewed** (IF = Impact Factor; OA = Open Access)**2022**

Schwarz, C., Benson, G. S., Antonenko, D., Horn, N., Köbe, T., **Klimecki, O.**, Sommer, W., Wirth, M., & Flöel, A. (2022). Negative affective burden is associated with higher resting-state functional connectivity in subjective cognitive decline. *Scientific Reports*, *12*(1), 6212. <https://doi.org/10.1038/s41598-022-10179-y> [IF 4.01]

Schlosser, M., Barnhofer, T., Requier, F., Deza-Araujo, Y.I., Abdoun, O., Marchant, N.L., Chételat, G., Collette, F., **Klimecki, O.M.**, & Lutz, A (2022). Measuring psychological mechanisms in meditation practice: Using a phenomenologically grounded classification system to develop theory-based composite scores. *Mindfulness*. [IF 3.56]

**2021**

Cernadas Curotto, P., Sterpenich, V., Sander, D., Favez, N., Rimmele, U., & **Klimecki, O.** (2021). Quarreling after a sleepless night: preliminary evidence of the impact of sleep deprivation on interpersonal conflict. *Affective Science*. <https://doi.org/10.21203/rs.3.rs-360462/v1>

Demnitz-King, H., Chocat, A., Collette, F., Dautricourt, S., Gonneaud, J., Jessen, F., **Klimecki, O.M.**, Krolak Salmon, P., Lutz, A., Molinuevo, J.L., Poisnel, G., Touron, E., Walker, Z., Chételat, G., Marchant, N.L., the Alzheimer's Disease Neuroimaging Initiative, & the Medit-Ageing Research group (2021). Self-reflection is associated with markers of Alzheimer's disease in cognitively unimpaired older adults. *Alzheimer's & Dementia*, *17*, S6. [IF 21.57] <https://doi.org/10.1002/alz.053678>

Deza-Araujo, Y., Baez, S., Vuilleumier, P., Cochat, A., Chételat, G., Poisnel, G., & **Klimecki, O.M.** (2021). Whole blood serotonin levels are related to lower activity in Socio-Affective Brain Regions in Healthy Elderly. *Biological Psychology*, *160*, 108051. [IF 2.63; OA]

Lutz, A., Chételat, G., Collette, F., **Klimecki, O.**, Marchant, N., & Gonneaud, J. (2021) The protective effect of mindfulness and compassion meditation practices on ageing: hypothesis, mechanistic model, and experimental implementation. *Ageing Research Reviews*. [IF 10.90; OA]

Marchant, N., Barnhofer, T., Wirth, M., Coueron, R., Lutz, A., ..., Chételat, G., Jessen, F. & **Klimecki O.M.** (2021). The SCD-Well Randomized Controlled Trial: Effects of a Mindfulness-Based Intervention Versus Health Education On Mental Health in Patients with Subjective Cognitive Decline. *Psychotherapy and Psychosomatics*. [IF 13.44; OA]

Ourry, V., Marchant, N.M., Schild, A.-K., Coll-Padros, N., **Klimecki, O.M.**, Krolak-Salmon, P., Goldet, K., Reyrolle, L., Bachelet, R., Sannemann, L., Meiberth, D., Demnitz-King, H., Whitfield, T., Botton, M., Lebahar, J., Gonneaud, J., de Flores, R., Molinuevo, J.L., Jessen, F., Vivien, D., De La Sayette, V., Valenzuela, M.J., Rauchs, G., Wirth, M., Chételat, G., Arenaza-Urquijo, E.M. (2021). Harmonization and between-country differences of the Lifetime of Experiences Questionnaire in older adults. *Frontiers in Aging Neuroscience*. <https://doi.org/10.3389/fnagi.2021.740005> [IF 5.75; OA]

Schlosser, M., Pfaff, N., Schweinberger, S.R. Marchant, N., & **Klimecki, O.** (2021). The psychometric properties of the Compassionate Love Scale and the validation of the English and German 7-item Compassion for Others Scale (COS-7). *Current Psychology*. [IF 2.05; OA]

Touron, E., Moulinet, I., Kuhn, E., Sherif, S., Ourry, V., Landeau, B., Mézenge, F., Vivien, D., **Klimecki, O.M.**, Poisnel, G., Marchant, N.L., Chételat, G., & the Medit-Ageing Research Group (2021). Depressive symptoms in cognitively unimpaired older adults are associated with

decreased structural and functional integrity in the limbic network. *Alzheimer's & Dementia*, 17, S6. [IF 21.57]

- Whitfield, T., Demnitz-King, H., Schlosser, M., Barnhofer, T., Collette, F., Dautricourt, S., Delarue, M., Frison, E., Gonneaud, J., **Klimecki, O.M.**, Lutz, A., Paly, L., Poinsel, G., Salmon, E., Schild, A.-K., Walker, Z., Wirth, M., Chetelat, G., Jessen, F., Marchant, N.L., & the Medit-Ageing Research Group (2021). The effect of a mindfulness-based versus health self-management intervention on cognitive performance in older adults with subjective cognitive decline (SCD): The SCD-WELL randomized controlled trial. *Alzheimer's & Dementia*, 17, S6. [IF 21.57]
- Whitfield, T., Barnhofer, T., Acabchuk, R., ..., **Klimecki, O.**, ... Lazar, S., Vago, D., & Marchant, N. (2021). The effect of mindfulness-based programs on cognitive function in adults: a systematic review and meta-analysis. *Neuropsychology Review*. [IF 4.89]

## 2020

- Bogacz, F., Pun, T., & **Klimecki, O. M.** (2020). Mediators have a beneficial impact on conflict resolution in romantic couples. *Humanities & Social Sciences Communications*, 7: 131. [OA]
- Klimecki, O.**, Vétois, M., & Sander, D. (2020). The impact of empathy and perspective-taking instructions on proponents and opponents of immigration. *Humanities & Social Sciences Communications*, 7: 91. [OA]
- Rafi, H., Bogacz, F., Sander, D., & **Klimecki, O.M.** (2020). Impact of Couple Conflict and Mediation on How Romantic Partners Are Seen: an fMRI study. *Cortex*, 130, 302-317. [IF 4.28]
- André, C., ..., **Klimecki, O.** ..., Chételat, G., & Rauchs, G. (2020). Association of sleep-disordered breathing with gray matter volume, perfusion, glucose metabolism and  $\beta$ -amyloid deposition in older adults. *JAMA Neurology*. [IF 12.32; OA]
- Klimecki, O.M.**, & Schweinberger, S.R. (2020). Soziale Neurobiologie. In U.T. Egle, C. Heim, B. Strauß and R. v. Känel (Eds). *Psychosomatische Medizin 3.0 – Neurobiologisch fundiert – Evidenzbasiert*. W. Kohlhammer.
- Demnitz-King, H., Whitfield, T., Schlosser, M., Barnhofer, T., Collette, F., **Klimecki, O.**, Lutz, A., Schild, A.-K., Wirth, M., Chetelat, G., Marchant, N.L. & the Medit-Ageing Group (2020), Reflective pondering is associated with a global cognitive marker of Alzheimer's disease risk. *Alzheimer's & Dementia*, 16: e042084. <https://doi.org/10.1002/alz.042084> [IF 17.13; OA]
- Meiberth, D.U., Schild, A.-K., Sannemann, L., Müller, T., Demnitz-King, H., Whitfield, T., Schlosser, M., Krolak Salmon, P., Molinuevo, J.L., **Klimecki, O.**, Wirth, M., Chetelat, G., Marchant, N.L., Jessen, F. & the Medit-Ageing group (2020). Gender differences in the perception of subjective vs. objective cognitive decline: Baseline data from the SCD-Well Trial. *Alzheimer's & Dementia*, 16: e040428. [IF 17.13; OA]
- Whitfield, T., Barnhofer, T., Acabchuk, R., Cohen, A., Lee, M., Lutz, A., Wirth, M., Coll-Padros, N., Arenaza-Urquijo, E.M., Dautricourt, S., Moulinet, I., Touron, E., Collette, F., Demnitz-King, H., Schlosser, M., Schild, A.-K., Sannemann, L., Müller, T., Meiberth, D.U., **Klimecki, O.**, Boettcher, A., Parsons, E., Chetelat, G., Lazar, S., Walker, Z., Moitra, E., Vago, D., Marchant, N.L., & the Medit-Ageing group (2020). The effect of mindfulness-based programs on cognitive performance across the lifespan: A systematic review and meta-analysis. *Alzheimer's & Dementia*, 16: e043562. [IF 17.13; OA]

**2019**

Schneider, D., **Klimecki, O.**, Burgmer, P., & Kessler, T. (2019). Social Cognition. In: Zeigler-Hill V., Shackelford T. (Eds). *Encyclopedia of Personality and Individual Differences*. Springer, Cham.

**Klimecki, O.**, Marchant, N.L., Lutz, A., Poisnel, G., Chételat, G., & Collette, F. (2019). The impact of meditation on healthy ageing – the current state of knowledge and a roadmap to future directions. *Current Opinion in Psychology*, 28, 223-228. [IF 3.43]

Cernadas Curotto, P., Halperin, E., Sander, D., & **Klimecki, O.** (2019). Emotions in attacker-defender conflicts. *Brain and Behavioral Sciences*. [IF 15.07]

**Klimecki, O.** (2019). The role of empathy and compassion in conflict resolution. *Emotion Review*, 11(4), 310–325. [IF 4.07]

Marchant, N.L., Barnhofer, T., Wirth, M., Coueron, R., Lutz, A., Collette, F., Poisnel, G., Schild, A., Coll-Padros, N., Demnitz-King, H., Reyrolle, L., Whitfield, T., Frison, E., Asselineau, J., Walker, Z., Salmon, P.K., Molinuevo, J.L., Chetelat, G., Jessen, F., **Klimecki, O.** & the Medit-Ageing group (2019). The SCD-Well randomized controlled trial: effects of a mindfulness-based intervention versus health education on mental health and cognition in patients with subjective cognitive decline. *Alzheimer's & Dementia*, 15: P183-P183. [IF 17.13; OA]

**2018**

Chételat, G., Lutz, A., Arenaza-Urquijo, E., Collette, F., **Klimecki, O.**, & Marchant, N. (2018). Why could meditation practice help promote mental health and well-being in ageing? *Alzheimer's Research & Therapy*, 10, 57. [IF 6.15; OA]

Lutz, A., **Klimecki, O.M.**, Collette, F., Poisnel, G., Arenaza-Urquijo, E., Marchant, N.L., De La Sayette, V., Rauchs, G., Salmon, E.G., Vuilleumier, P., Frison, E., Vivien, D., Chételat, G. & the Medit-Ageing Research Group (2018). The Age-Well observational study on expert meditators in the Medit-Ageing European project. *Alzheimer's & Dementia: Translational Research & Clinical Interventions*, 4, 756-764. [IF 4.33; OA]

Marchant, N.L., Barnhofer, T.\*, **Klimecki, O.\***, et al. (2018). The SCD-Well randomized controlled trial: Effects of a mindfulness-based intervention versus health education on mental health in patients with subjective cognitive decline (SCD). *Alzheimer's & Dementia: Translational Research & Clinical Interventions*, 4, 737-745. \*Co-second authorship [IF 4.33; OA] ClinicalTrials.gov Identifier: NCT03005652

Mayer, S., Jusyte, A., **Klimecki-Lenz, O.**, & Schönenberg, M. (2018). Empathy and altruistic behavior in antisocial violent offenders with psychopathic traits. *Psychiatry Research*, 269, 625-632. [IF 2.53]

**Klimecki, O.M.**, Sander, D., & Vuilleumier, P. (2018). Distinct brain areas involved in anger versus punishment during social interactions. *Scientific Reports*, 8, 10556. [IF 5.58; OA]

Poisnel, G., Arenaza-Urquijo\*, E., Collette\*, F., **Klimecki\***, **O.M.**, Marchant\*, N.L., et al. (2018). Study protocol for the Age-Well clinical trial of the Medit-Ageing European project. *Alzheimer's & Dementia: Translational Research & Clinical Interventions*, 4,714-723. \*Co-second authorship [IF 4.33; OA] ClinicalTrials.gov Identifier: NCT02977819

**2017**

**Klimecki, O.M.**, & Singer, T. (2017). The Compassionate Brain. In J.R. Doty, M. Worline, E. Simon-Thomas, D. Cameron and S. Brown (Eds.) *Oxford Handbook on Compassion Science*. Oxford University Press.

Bogacz, F., & **Klimecki, O.M.** (2017). How do emotions impact conflicts? A neuroscientific perspective. In B. Lewandowska-Tomaszczyk, P. Wilson and S. Croucher (Eds.). *Approaches to Conflict: Theoretical, Interpersonal, and Discursive Dynamics*. Lexington Books.

**Klimecki, O.**, & Sander, D. (2017). Anger and its relation to Aggression. In D. Sander (Ed). *Emotions*. Zurich, BENTELI publishing.

**Klimecki, O.**, & Vuilleumier, P. (2017). Anger. In D. Sander (Ed). *Emotions*. Zurich: BENTELI publishing.

## 2016

**Klimecki, O.M.**, Mayer, S.V., Jusyte, A., Scheeff, J., & Schönenberg, M. (2016). Empathy promotes altruistic behavior in economic interactions. *Scientific Reports*, 6, 31961. [IF 5.58; OA]

**Klimecki, O.M.**, Vuilleumier, P., & Sander, D. (2016). The impact of emotions and empathy-related traits on punishment behavior: Introduction and Validation of the Inequality Game. *PLoS One*, 11(3): e0151028. [IF 3.23; OA]

## 2015

**Klimecki, O.M.** (2015). The Plasticity of Social Emotions. *Social Neuroscience*. 10, 466-473. doi: 10.1080/17470919.2015.1087427 [IF 3.65]

**Klimecki, O.**, & Singer, T. (2015). Compassion. In: A.W. Toga (Ed.) *Brain Mapping: An Encyclopedic Reference*, vol. 3, pp. 195-199. San Diego: Academic Press Elsevier.

**Klimecki, O.** (2015). Plastizität im sozialen Gehirn – wie wir unsere Emotionen trainieren können. (Plasticity in the social brain - how we can train our emotions.) In: H. Fink and R. Rosenzweig (Eds.) *Das soziale Gehirn - Neurowissenschaft und menschliche Bindung*. Münster: Mentis.

## 2014

Singer, T., & **Klimecki, O.M.** (2014). Empathy and Compassion. *Current Biology*, 24, R875-R878. [IF 10.83; OA]

**Klimecki, O.**, Leiberg, S., Ricard, M., & Singer, T. (2014). Differential Pattern of Functional Brain Plasticity after Compassion and Empathy Training. *Social, Cognitive and Affective Neuroscience*, 9, 873–879. [IF 7.37; OA]

Bernhardt, B.\*, **Klimecki, O.\***, Leiberg, S., & Singer T. (2014). Structural Covariance Networks of the Dorsal Anterior Insula Predict Females' Individual Differences in Empathic Responding. *Cerebral Cortex*, 24, 2189-98. [IF 8.67; OA] \*shared first authorship

**Klimecki, O.** (2014). Emotionales Verstehen. Die Rolle von Empathie und Mitgefühl. (Emotional Understanding. The role of empathy and compassion) In: S. Schulte (Ed.) *ach so verstehen wir. Interdisziplinäre Gespräche übers Verstehen*. Münster: Waxmann Verlag.

## 2013

**Klimecki, O.**, Leiberg, S., Lamm, C., & Singer, T. (2013). Functional neural plasticity and associated changes in positive affect after compassion training. *Cerebral Cortex*, 23, 1552–1561. [IF 8.67; OA]

**Klimecki, O.**, & Singer, T. (2013). Empathy from the perspective of social neuroscience. In: J. Armony, P. Vuilleumier (Eds.), *Handbook of Human Affective Neuroscience*, pp. 533-551. New York: Cambridge University Press.

**Klimecki, O.**, Ricard, M., & Singer, T., (2013). Empathy versus Compassion – Lessons from 1<sup>st</sup> and 3<sup>rd</sup> Person Methods. In: T. Singer, M. Bolz (Eds.) *Compassion: From Theory, to Training, to Neuroscience. A Multimedia Book*.

## 2012

Gamer, M., **Klimecki, O.**, Bauermann, T., Stoeter, P., & Vossel G. (2012). fMRI-activation patterns in the detection of concealed information rely on memory-related effects. *Social, Cognitive and Affective Neuroscience*. 7, 506-515. [IF 7.37; OA]

**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.

## 2011

Leiberg, S., **Klimecki, O.**, & Singer, T. (2011). Short-term compassion training increases prosocial behavior in a newly developed prosocial game. *PLoS One*, 6, e17798. [IF 3.23; OA]

### Group Authorships (I am part of the Medit-Ageing Research Group)

Felisatti, F., Gonneaud, J., Palix, C., Garnier-Crussard, A., Mézenge, F., Brigitte, L., Chocat, A., Quillard, A., Ferrand-Devouge, E., de La Sayette, V., Vivien, D., Chételat, G., Poinsel, G., & **Medit-Ageing Research Group** (2022). Role of Cardiovascular Risk Factors on the Association Between Physical Activity and Brain Integrity Markers in Older Adults. *Neurology*, 10.1212.

Gonneaud, J, Moreau, I, Felisatti, F, [...] & **Medit-Ageing Research Group** (2022). Men and women show partly distinct effects of physical activity on brain integrity. *Alzheimer's Dement*; 14:e12302.

Ourry V, Gonneaud J, Landeau B, Moulinet I, Touron E, Dautricourt S, Le Du G, Mézenge F, André C, Bejanin A, Sherif S, Marchant N.L, Paly L, Poinsel G, Vivien D, Chocat A, Quillard A, Ferrand-Devouge E, de la Sayette V, Rauchs G, Arenaza-Urquijo E.M, Chételat G, & the **Medit-Ageing Research Group** (2021). Association of quality of life with structural, functional and molecular brain imaging in community-dwelling older adults. *Neuroimage*, 231, 117819. [IF 5.90; OA]

### Preprints

Baez-Lugo, S., Deza-Araujo, Y., Maradan, C., Collette, F., Marchant, N.L., Chételat, G., Vuilleumier, P., & **Klimecki, O.** and the Medit-Ageing group. Exposure to negative socio-emotional events induces sustained alteration of resting-state brain networks in older adults. *Revised and resubmitted, Nature Ageing*. Online preprint:

<https://www.researchsquare.com/article/rs-91196/v2>

Deza-Araujo, Y., Aguirre, C., Gyger, L., Sander, D., Rimmele, U., & **Klimecki, O.M.** Increased cortisol after the socially evaluated cold-pressor task predicts later punishment in healthy males. Online preprint: <https://psyarxiv.com/4d6g3/>

### Submitted papers

Cernadas Curotto, P., Sander, D., d'Argembeau, A., & **Klimecki, O.** Back to the future: a way to increase prosocial behaviors. *Revised and resubmitted, PloS One*.

Chételat, G, Lutz, A, **Klimecki, O**, Frison, E., Asselineau, J, Schlosser, M, Arenaza-Urquijo, EM, Mézenge, F, Kuhn, E, Moulinet, I, Touron, E, Dautricourt, S, André, C, Palix, C, Ourry, V,

- Felisatti, F, Gonneaud, J, Landeau, B, Rauchs, G, Chocat, A, Quillard, A, Ferrand Devouge, E, Vuilleumier, P, de La Sayette, V, Vivien, D, Collette, F, Poinsel, G, Marchant, NL, and the Medit-Ageing Research Group. Effects of an 18-month meditation training 1 on regional brain volume and perfusion in older adults: The Age-Well randomized, single-blind, controlled trial of the Medit-Ageing European project. *Under consideration, JAMA Neurology*.
- Demnitz-King, H, Gonneaud, J, **Klimecki, OM**, Chocat, A, Collette, F, Dautricourt, S, Jessen, F, Krolak-Salmon, P, Lutz, A, Morse, R, Molinuevo, JL, Poinsel, G, Touron, E, Wirth, M, Walker, Z, Chételat, G, Marchant, NL, & The Medit-Ageing Research Group. The Association between Self-reflection and Cognition and Brain Health in Cognitively Unimpaired Older Adults. *Under consideration, Neurology*.
- Engert, V., **Klimecki, O.**, & Kanske, P., Spreading Positive Change: Societal Benefits of Meditation. *Revised and resubmitted, Psychological Review*.
- Gorska, G., Berkovich-Ohana, A., **Klimecki, O.**, Trautwein, F.-M. Situational Assessment of Empathy and Compassion: Predicting prosociality using a video-based task. *Under consideration, Scientific Reports*.
- Lehmann, K., Böckler, **Klimecki, O.**, Müller-Liebmann, C., & Kanske, P. Feeling with or thinking as: How empathy and mentalizing shape prosociality. *Under consideration, Scientific Reports*.
- Requier, F., Hendy, A.S., Schlosser, M., Demnitz-King, H., Whitfield, T., Chételat, G., **Klimecki, O.**, Lutz, A., Marchant, N.L., Collette, F., & the Medit-Ageing Research Group. Association between meditative capacities and cognitive functions in healthy older adults naïve to meditation practice. *Under consideration, Mindfulness*.
- Schlosser, M, Demnitz-King, H, Barnhofer, T, Collette, F, Gonneaud, J, Chételat, G, Jessen, F, Kliegel, M, **Klimecki, OM**, Lutz, A, Marchant, NL & The Medit-Ageing Research Group. Minimal effects of a mindfulness-based intervention and a health self-management programme on psychological well-being in older adults with subjective cognitive decline: Secondary data analyses from the SCD-Well randomised clinical trial. *Under consideration, Aging & Mental Health*.
- Whitfield, T., Demnitz-King, H., Schlosser, M, Barnhofer, T., Frison, E., Coll-Padros, N., Dautricourt, S., Requier, F., Delarue, M., Gonneaud, J., **Klimecki, O.**, Lutz, A., Paly, L., Salmon, E., Schild, A.-K., Walker, Z., Jessen, F. Chételat, G., Collette, F., Wirth, M., Marchant, N., Effects of a mindfulness-based versus a health self-management intervention on objective cognitive performance in older-adults with subjective cognitive decline (SCD): A secondary analysis of the SCD-Well randomized controlled trial. *Under consideration, Alzheimer's Research & Therapy*.

### **Other Publications**

#### **Trial Registrations**

- Requier, F., Demnitz-King, H., Whitfield, T., **Klimecki, O.**, Marchant, N., & Collette, F. (2020). The effect of meditation-based interventions on patients with fatigue symptoms: a systematic review and meta-analysis. PROSPERO International prospective register of systematic reviews. [https://www.crd.york.ac.uk/PROSPERO/display\\_record.php?RecordID=187836](https://www.crd.york.ac.uk/PROSPERO/display_record.php?RecordID=187836)

#### **Articles in Magazines**

- Klimecki, O.** (2016). Mehr Mitgefühl. (More Compassion) *Gehirn und Geist*. 2/2016, 52-57.

#### **Doctoral Dissertation**

- Klimecki, O.M.** (2013). *Training the Compassionate and the Empathic Brain*. University of Zurich, Zurich, Switzerland.

## **EDITORIAL SERVICES**

**Editor** for Scientific Reports.

**Ad hoc reviewer** for **journals** such as: Acta Psychologica; British Journal of Psychology; Cognitive, Affective, & Behavioral Neuroscience; Emotion; NeuroImage; Neuron; Neuroscience & Biobehavioral Reviews; Scientific Reports; Social, Cognitive and Affective Neuroscience (SCAN); Social Neuroscience; PLoS One.

**Ad hoc reviewer** for **funding agencies**: United States-Israel Binational Science Foundation, Varela Grant (Mind and Life Institute, USA), Fonds zur Förderung der wissenschaftlichen Forschung (FWF, Austria), Deutsche Forschungsgemeinschaft (DFG, Germany).

## **OTHER FUNCTIONS**

2022: Expert for Science et Jeunesse/ Jugend forscht, Switzerland.

2017: Academic in Residence at the Geneva Centre for Security Policy.

2016: Member of the Steering Group “Rewiring the Brain for Peace”, Alliance for Peacebuilding.



**KEYNOTE LECTURES, INVITED TALKS AND SYMPOSIA PRESENTATIONS**

over 70 invited keynote lectures, talks, and symposium presentations, for instance:

- University of Lund, Sweden (2022).
- University of Liège, Belgium (2021).
- Sanford Institute for Empathy and Compassion, San Diego, California, USA (2021).
- Virginia Commonwealth University, Richmond, Virginia, USA (2021).
- Association for Conflict Resolution, Chicago, Illinois, USA (2021).
- United Nations, Geneva, Switzerland (2020).
- 33rd Red Cross and Red Crescent International Conference, Geneva, Switzerland (2019).
- International Conference on Innovations in Conflict Resolution and Mediation, Tel Aviv, Israel (2019).
- University Hospital, Grenoble, France (2019).
- Science of Mindfulness, a dialogue with Dr. Richard Davidson, Bern, Switzerland (2019).
- University Hospital Heidelberg, Germany (2017).
- Landau Peace Lecture, University of Koblenz-Landau, Landau, Germany (2017).
- International Convention of Psychological Science, Vienna, Austria (2017).
- Geneva Centre for Security Policy, Switzerland (2016).
- Conflict Matters, Brussels, Belgium (2015).
- International Society for Research on Emotion, Geneva, Switzerland (2015).
- Psychosomatic Colloquium, University of Freiburg, Germany (2015).
- Studium Generale on the Evolution of Cooperation, University of Mainz, Germany.
- Hôpital de la Salpêtrière, Paris, France (2015).
- University of Louvain-la-Neuve, Belgium (2015).
- Society for Social Neuroscience, Washington, DC, USA (2014).
- Workshop of Interpersonal Accuracy, Neuchâtel, Switzerland (2014).
- Humanitarian Workers: Personal Ethics, Psychology, and Lifestyle, Oxford, UK (2013).
- Psychologie und Gehirn, Würzburg, Germany (2013).
- Alpine Brain Imaging Meeting, Champéry, Switzerland (2013).
- Empathy and Compassion in Society Conference, London, UK (2012).
- International Symposia for Contemplative Studies, Denver, USA (2012).

**OUTREACH ACTIVITIES (SELECTION)**

- Round-Table Meeting and Kick-Off Think Tank of Humanitarian Education, Bern, Switzerland (2021).
- Envisioning the Future: Building Peace through Neuroscience, Carter School for Peace and Conflict Resolution, Fairfax, Virginia, USA (2021).
- Studienstiftung des Deutschen Volkes, Germany (2021).
- Jahrestagung des Centrum für Demografie und Diversität, Dresden, Germany (2021).
- Association for Conflict Resolution, Chicago, USA (2021).
- Public Talk on Meditation and Theology, Würzburg (2020).
- United Nations, Geneva (2020).
- Jahreskonferenz des MBSR-MBCT-Verbandes (2020).
- Semaine du Cerveau (Brain Week), University of Geneva, Switzerland (2019).
- Semaine du Cerveau (Brain Week), Marseille, France (2019).
- International event on meditation, University Hospital, Grenoble, France (2018).
- Nuit des images, Musée de L'Elysée, Lausanne, Switzerland (2018).
- Workshop "The Science of Mindfulness, a dialogue with Dr. Richard Davidson", Bern, Switzerland (2018).
- International Committee of the Red Cross, Geneva, Switzerland (2018).
- Public conference cycle Empathy and Social Behavior, Liège, Belgium (2018).
- Chambre Suisse de Médiation Commerciale, Geneva, Switzerland (2018).
- Haus am Dom, Frankfurt, Germany (2017).
- Landau Peace Lecture, University of Koblenz-Landau, Landau, Germany (2017).
- English Speaking Cancer Association, Geneva, Switzerland (2017).
- Semaine du Cerveau (Brain Week), University of Geneva, Switzerland (2017).
- "festival du film vert", Rolle, Switzerland (2017).
- Geneva Centre for Security Policy, Switzerland (2016).
- Haute école de travail social et de la santé, Lausanne, Switzerland (2016).
- Centre for Humanitarian Dialogue, Geneva, Switzerland (2015).
- Psychosomatic Colloquium, University of Freiburg, Germany (2015).
- Studium Generale on the Evolution of Cooperation, University of Mainz, Germany (2015).
- Interpeace, Geneva, Switzerland (2015).
- Das soziale Gehirn, Fürth, Germany (2014).
- Red Cross Exhibition "Trop Humain", Geneva, Switzerland (2014).
- Bundesgeschäftsführertagung der Waldorfschulen, Berlin, Germany (2014).
- Association Neuchâteloise d'Accueil et d'Action Psychiatrique, Neuchâtel, Switzerland (2014).
- Brain Awareness Week, Geneva, Switzerland (2013).
- Science Slam during the Long Night of Science, Leipzig, Germany (2012; Winning presentation).

**MEDIA COVERAGE**

In national and international radio, print and television, including *arte*, *BBC*, *coop Magazin*, *DIE ZEIT*, *Dimanche Matin*, *Dutch Television: VPRO Backlight*, *Sciences et Avenir*, *Spiegel*, *Stern*, *SWR2*, *The Independent*, *emotion*, *Le Temps*, *Gehirn und Geist*, *Radio Télévision Suisse (RTS)*, *New Scientist*.