

Curriculum Vitae Claus Lamm

Current Position

Full Professor (Biological Psychology)
Head of the Social, Cognitive and Affective Neuroscience Unit
Department of Cognition, Emotion, and Methods in Psychology
Faculty of Psychology, University of Vienna, Austria
<https://scan-psy.univie.ac.at/about-us/claus-lamm/>

Corresponding member of the Austrian Academy of Sciences

Academic Degrees

- 10/11/2005 Postdoctoral dissertation ("Habilitation"), Faculty of Psychology, University of Vienna, Austria
- 20/07/2001 Ph.D., Psychology (with distinction/summa cum laude), University of Vienna, Austria
- 24/01/1997 M.Sc., Psychology (with distinction/summa cum laude), University of Vienna, Austria

Academic appointments

Elected member of the Academic Council of the Austrian Academy of Sciences (since 03/2022)
Collaboration of Excellence Visiting Scholar, Neuroscience Sector, SISSA Trieste, Italy (09/19-11/19)
Director of the MRI Center of the University of Vienna (since 09/2014)
Elected Corresponding Member of the Austrian Academy of Sciences (since 05/2014)
Full Professor (Biological Psychology) and Head of the Social Cognitive and Affective Neuroscience Unit, Faculty of Psychology, University of Vienna (since 09/2010)
Assistant Professor ("Oberassistent"), Laboratory for Social and Neural Systems Research, University of Zurich, Switzerland (10/2008-08/2010)
Research Associate, Social Cognitive Neuroscience Laboratory, Department of Psychology, The University of Chicago, Chicago, IL, USA (01/2006-09/2008)
Post-doctoral Researcher, INSERM (French National Institute for Health and Medical Research) Unit 280 - Mental Processes and Brain Activation, Bron, France (12/2004-12/2005)
University Lecturer, Brain Research Laboratory, Department of Psychology, University of Vienna (03/1997-09/2002; 10/2004-11/2004; interrupted by one year of mandatory civilian service and one year of voluntary social service)
Statistician and Research Assistant (half-time), Department of Radiology I, General University Hospital of Vienna (02/1997-09/1998)
Research Assistant, Brain Research Laboratory, Department of Psychology, University of Vienna (01/1996-02/1997)
Research Assistant, Department of Statistics, Methodology and Differential Psychology, University of Vienna (01-12/1996)
Biostatistician and Study Design Consultant for Research Projects in Anaesthesiology, Dentistry, Psychiatry, Psychology and Radiology (since 1995)

Contributions to academic organizational autonomy

Deputy Speaker of the Vienna Cognitive Science Hub, University of Vienna
(since 02/2017)

Vice Dean for Research and Early Career Researchers, Faculty of Psychology,
University of Vienna (since 10/2012)

Deputy Director of the Department of Basic Psychological Research and Research
Methods, Faculty of Psychology, University of Vienna, Austria (07/2013-09/2020)

Ombudsperson for Early Career Researchers (since 10/2020)

Honors and Awards

2024: Top finalist of the FENS-Kavli Network of Excellence (FKNE) Mentoring Prize
2024.

2023: Association for Psychological Science, Lifetime Achievement Mentor Award
2024

2023: Turin Academy of Science "Maria Luisa Ferrari Soave e Dott. Luigi Soave" for
Human Biology Award

2020/2022: Short-listed for the Leadership Award 2022 and the Corona New
Leadership Award 2020, University of Vienna

2018: Association for Psychological Research, APS Fellow

2017: Austrian Science Fund (FWF), Elected Board Member, Reporter for domain
Neurobiology and Cognitive Neurosciences

2014: Elisabeth Lutz Prize, awarded by the Austrian Academy of Science in
recognition of research on the neuroscientific and biological mechanisms of human
social behavior.

2014: Elected corresponding member of the Austrian Academy of Sciences, Division
of Mathematics and the Natural Sciences

2007, 2008: Fellow of the 2007 Mind and Life Summer Research Institute, Garrison,
NY, USA

1998, 2000, 2008: Travel grants (Program International Communication) awarded
by the Austrian Science Association

2001: Fellow of the 2001 Summer Institute in Cognitive Neuroscience, Dartmouth
College, Hanover, NH, USA

2001: Scholarship awarded by the Faculty of Human and Social Sciences, University
of Vienna

2000: Theodor-Körner Award for Science and Arts

1999: Research Scholarship awarded by the Faculty of Human and Social Sciences of
the University of Vienna

1997: Award by the Austrian Federal Minister of Science and Transportation
("Förderpreis des Bundesministers für Wissenschaft und Verkehr"; awarded to the
top 40 graduating students of all Austrian Universities in 1997)

1995-1997: Scholarships awarded by the Academic Senate of the University of
Vienna

1994-1997: Scholarships awarded by the Faculty of Human and Social Sciences,
University of Vienna

Publication and conference awards

2024: BSPA Publication Award for Innovation in Behavioral Policy, for the paper
"Addressing climate change with behavioral science: A global intervention
tournament in 63 countries", by Vlasceanu*, M., Doell*, K. C., Bak Coleman*, J.

- B., Todorova, B., Berkebile-Weinberg, M. M., Grayson, S. J., Patel, Y., Goldwert, D., Pei, Y., Chakroff, A., Pronizius, E., van den Broek, K. L., Vlasceanu, D., Constantino, S., Morais, M. J., Schumann, P., Rathje, S., Fang, K., Aglioti, S. M., ... Lamm, C., Mikus, N., Nitschke, J. N., ... Van Bavel, J. J., published in *Science Advances*.
- 2023: Best poster award (Sladky R, Kargl D, Haubensak W, Lamm C. "An active inference perspective for the amygdala complex"), International Workshop on Active Inference, Ghent (Belgium), 09/2023.
- 2022: S4SN conference (Society for Social Neuroscience) Open & Reproducible Science Award for the poster Zhang L, Lengersdorff L, Mikus N, Gläscher J, Lamm C. Using reinforcement learning models in social neuroscience: frameworks, pitfalls and suggestions of best practices (based on the paper with the same name published in *Soc Cogn Affect Neurosci.* 2020,15(6):695-707. doi:10.1093/scan/nsaa089)
- 2020: Best poster award (Feneberg A. C., Forbes, P., Lamm, C., Pronizius, E., Silani, G., Stijovic, A., Nater, U. M. "Quarantunes – Eine Ecological Momentary Assessment-Studie zu den Effekten von Musikhören auf Stresserleben und Stimmung während der COVID-19-Krise"), Virtuelle Postertagung der Deutschen Gesellschaft für Musikpsychologie e.V. (DGM), 09/2020.
- 2020: Giselher Guttmann Prize of the Austrian Society for Neuropsychology, for the paper "Another's pain in my brain: No evidence that placebo analgesia affects the sensory-discriminative component in empathy for pain, by Hartmann, H., Rütgen, M., Riva, F., & Lamm, C., published in *NeuroImage*
- 2019: Giselher Guttmann Prize of the Austrian Society for Neuropsychology, for the paper "Antidepressant treatment, not depression, leads to reductions in behavioral and neural responses to pain empathy", by Rütgen, M., Pletti, C., Tik, M., Kraus, C., Pfabigan, D. M., Sladky, R., Klöbl, M., Woletz, M., Vanicek T., Windischberger, C., Lanzenberger, R. & Lamm, C., published in *Translational Psychiatry*.
- 2016: Giselher Guttmann Prize of the Austrian Society for Neuropsychology, for the paper „Distinct neural processes are engaged in the modulation of mimicry by social group-membership and emotional expressions“, by Rauchbauer, B., Majdandžić, J., Hummer, A., Windischberger, C. & Lamm, C., published in *Cortex*
- 2015: Giselher Guttmann Prize of the Austrian Society for Neuropsychology, for the paper "Event-related potentials in performance monitoring are influenced by the endogenous opioid system", by Pfabigan D., Pripfl J., Kroll S.-L., Sailer, U., Lamm, C., published in *Neuropsychologia*
- 2015: Best poster award (Bukowski, H., Silani, G., Riva, F., Tomova, L., Lamm, C. "Measuring and decomposing empathy"), Social Cognition Workshop Bangor, Aug 27-28 2015.
- 2014: Paper of the Month for the March 2015 issue awarded by *International Psychogeriatrics (IPG)*.

Awards and career steps of mentees

A particular focus of my academic activities is the career development and mentoring of early career researchers and junior collaborators. The following prior mentees now hold Faculty positions:

Kim Doell, Isabella Wagner, Giuseppe Ugazio, Uta Sailer, Henryk Bukowski, Daniel Pfabigan, Livia Tomova, Lei Zhang (Universities of Konstanz, Vienna, Geneva, Oslo, Louvain, Bergen, Cardiff, Birmingham), or have moved on to top-level academic management positions: Jürgen Pripfl, Head of Christian Doppler Research Association.

Many of them have received awards related to joint work. Particular mention is deserved by Lei Zhang, who received an APS Rising Star Award in 2022, Isabella Wagner's Cortex prize 2023, the three Awards of Excellence – annually awarded to the top 40 Ph.D. students in Austria across all fields and universities - awarded to my Ph.D. students Jessie Adriaense, Livia Tomova, Anjuli Barber (co-supervisor), and one nomination for that award (to Markus Rütgen), and the two Bank Austria Ph.D. thesis awards to Jürgen Goller and Lisa Rosenberger.

Kimberly Doell, Ph.D., as a Postdoc

Climate Change Data Visualization (ClimaViz) Project

Awarded by the Environment and Climate Research Hub of the University of Vienna, 2023-2024

Isabella Wagner, Ph.D., as a Postdoc

Cortex Prize 2023

Federation of the European Societies for Neuropsychology

Lei Zhang, Ph.D., as a Postdoc

SfN Trainee Professional Development Award of the SfN Global Connectome, 2020

Open Science Commendation Award, ESCAN, 2022

Association for Psychological Science (APS) Rising Star Award, 2022

Boryana Todorova, as a Ph.D. candidate

Best poster award 3rd place European Society for Cognitive and Affective Neuroscience (ESCAN), 2022

Awarded a Mobility Fellowship for a 2-month research stay in University of Peking, Beijing, China to investigate the role of individualism and collectivism in pro-environmental behavior, 2021

Jürgen Goller, as a Ph.D. candidate

Bank Austria Research Award for Ph.D. thesis, University of Vienna, 2021

Lisa Anna Rosenberger, Ph.D. candidate

Bank Austria Research Award for Ph.D. thesis, University of Vienna, 2021

Catherine-Noémie Alexandrina Guran, Ph.D., as a Postdoc

SfN Trainee Professional Development Award of the SfN Global Connectome, 2020

Alexa Müllner-Huber, Ph.D., Ph.D., as a Postdoc

Best poster award European Society for Cognitive and Affective Neuroscience (ESCAN), 2022

Marie Jahoda-Grant for postdoctoral researchers, University of Vienna, 2020

Ekaterina Pronizius, as a Ph.D. candidate

uni:docs (Univie internal competitive and externally peer-reviewed) Ph.D. scholarships of the University of Vienna, 2019

Jessie Adriaense, as a Ph.D. candidate

Dissertation Completion Fellowship of the University of Vienna, 2019

Recipient of the Award of Excellence 2021, Federal Ministry of Science, awarding top 40 Austrian Ph.D. students

Helena Hartmann, as a Ph.D. and Postdoc

Open & Reproducible Science Prize for human social neuroscience, Society for Social Neuroscience, 2023/24 (award partially related to approach initiated during PhD, but received while a postdoc at UK Essen)
Giselher Guttman Preis for excellent young researchers in neuropsychology, 2020
External Poster Prize, 9th International Max Planck Research School on Neuroscience of Communication: Function, Structure and Plasticity, Leipzig, 2019
uni:docs (Univie internal competitive and externally peer-reviewed) Ph.D. scholarship of the University of Vienna, 2017

Magdalena Boch, as a Ph.D. candidate

Best poster award Young Scientists Poster Exhibition, Faculty of Psychology, 2018

Anjuli Barber, as a Ph.D. candidate (co-supervisor, with Ludwig Huber)

Recipient of Award of Excellence 2017, Federal Ministry of Science, awarding top 40 Austrian Ph.D. students

Markus Rütgen, as a Ph.D. candidate

Doc. award by the City of Vienna for his outstanding PhD thesis on "The role of the opioid system for empathic responses to pain", 2016

Nominated for Award of Excellence 2017, Federal Ministry of Science, awarding top 40 Austrian Ph.D. students

Best poster award Young Scientists Poster Exhibition, Faculty of Psychology, 2016

Livia Tomova, as a Ph.D. and Postdoc

L'Oreal Prize/scholarship 2016 "For women in Science" for excellent research on the effects of acute stress on prosociality

Recipient of Award of Excellence 2016, Federal Ministry of Science, awarding top 40 Austrian Ph.D. students

Birgit Rauchbauer, as a Ph.D. candidate

Giselher Guttman Prize for excellent young researchers in clinical neuropsychology, 2016

Daniela Pfabigan, Ph.D., as a Postdoc

Giselher Guttman Prize for excellent young researchers in clinical neuropsychology, 2015

Anna Wucherer, as a Ph.D. candidate

uni:docs (Univie internal competitive and externally peer-reviewed) Ph.D. scholarship of the University of Vienna, 2014

Professional Memberships

Association for Psychological Science (APS)

International Society of Psychoneuroendocrinology (ISPNE)

Organization for Human Brain Mapping (OHBM)

Österreichische Gesellschaft für Neurowissenschaften (Austrian Neuroscience Association)

Österreichische Gesellschaft für Psychologie (Austrian Psychology Association)

Society for Social Neuroscience (S4SN)

Society for Neuroscience (SfN)

Editorial Services and Advisory Boards

Associate Editor/Action Editor

Social Cognitive and Affective Neuroscience (SCAN)
PLoS One
Cognitive Processing
Emotion

Member of Editorial Board

Social Neuroscience
Frontiers in Cognitive Science (Review Editor)

Ad-hoc reviewing (selection)

Behavioral and Brain Sciences; Biological Psychology; Brain and Cognition; Brain Research; Brain Structure and Function; Cerebral Cortex; Cognition; Current Biology; Emotion; European Journal of Neuroscience; Human Brain Mapping; Journal of Applied Physiology; Journal of Experimental Social Psychology; Journal of Neuroscience; Journal of Neuroscience Methods; International Journal of Psychophysiology; Motivation and Emotion; Nature Neuroscience; Neuropsychologia; NeuroImage; Neuroscience Letters; Neuron; Neuroscience; Neuroscience and Biobehavioral Reviews; Proceedings of the National Academy of Sciences USA (PNAS); Psychophysiology; Psychological Science; Science, Science: Translational Science; Social Neuroscience; Social Cognitive and Affective Neuroscience; Trends in Cognitive Sciences

Grant reviewing (selection)

European Research Council (ERC); European Science Foundation (ESF); Deutsche Forschungsgemeinschaft (DFG); Flanders Research Foundation, Belgium; Harry Frank Guggenheim Foundation, USA; Medical Research Council (MRC), UK; Mercator Stiftung, Germany; Ministry of Education and Research, Italy; Natural Sciences and Engineering Research Council of Canada; Social Sciences and Humanities Research Council of Canada (SSHRC); Swiss National Science Fund (SNSF); The Netherlands Organization for Scientific Research (NOW); French National Research Agency.

Advisory Boards

- European Society for Social and Affective Neuroscience (ESSAN)
- Czech BioImaging Advisory Board
- Austrian Society for Neuropsychology
- Expert board member, for Covid-19 related knowledge and scientific consulting, Austrian Academy of Sciences (2022-2023)
- Scientific board member, Covid-19 Future Operations Clearing Board of the Federal Chancellery of the Austrian Government (2022-2023)

Editor of a special issue on 'The Social Neuroscience of Empathy' (together with Simone Shamay-Tsoory), in: *Neuropsychologia*

Key collaborators

Matthew Apps, University of Birmingham
Jay van Bavel, New York University NYU, New York, USA
Ludwig Huber, Comparative Cognition Unit, Messerli Research Institute, Veterinary University of Medicine, Vienna
Patrick Luyten, KU Leuven, Belgium
Patricia Lockwood, University of Birmingham, University of Oxford

Andreas Olsson, Karolinska Institute, Sweden
Predrag Petrovic, Department of Clinical Neuroscience, Karolinska Institute, Sweden
Christian Ruff, Laboratory for Social and Neural Systems Research, University of
Zurich, Switzerland
Giorgia Silani, Clinical Social Neuroscience Lab, University of Vienna, Austria

Organization of Conferences and Symposia

Co-organizer of Workshop "From self-knowledge to knowing others: New advances in characterizing socio-cognitive dysfunctions in the general and clinical populations", Brussels, Aug 31 to Sept 1, 2023

European Society for Cognitive and Affective Neuroscience (ESCAN) 2022 Conference, main organizer (together with Giorgia Silani), Vienna, Austria, July 19 to 22, 2022 (400 international attendees)

CogSci Conference 2021 - Comparative Cognition – Animal Minds, Vienna, Austria, - July 26-29, 2021 (main organiser and program committee member with Tecumseh Fitch, Helmut Leder, Kristin Tessmar-Raible) online due to Covid-19 (1000+ international attendees)

57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11-15, 2017 (program committee member)

5th Resting state and brain connectivity conference, Vienna, Austria, September 21-23, 2016. (local organizing committee member, 600+ international attendees)

55th Conference of Experimental Psychologists ("TeaP"), Vienna, Austria, March 24-27, 2013. (co-organizer with Ulrich Ansorge & Helmut Leder; 1000+ international attendees)

5th Neuroscience Vienna Network Meeting, Vienna, Austria, May 26, 2015. (main organizer, 100+ attendees from greater Vienna area)

11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie"), Vienna, Austria, April 24 – 26, 2014 (main organiser together with Christian Korunka and Arnd Florack, 300+ attendees, predominantly from Austria, Germany and Switzerland)

Symposia:

Symposium "The Neurobiological Basis of Human Social Behavior", in memory of Christoph Eisenegger, Vienna, September 19, 2022 (main organizer together with members of the NBU Vienna, 100+ international attendees)

Satellite Symposium (chair, with Lasana Harris UCL), "MAKEITSOCIAL: Making a difference - the role of Social Neuroscience in addressing pressing societal challenges", European Society for Cognitive and Affective Neuroscience (ESCAN) 2021 (virtual)

Symposium (chair, with Arvid Kappas): "In memory of John T. Cacioppo", 4th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Leiden, Netherland, July 19-22, 2018.

Symposium (chair): "Recent progress in comparative social psychophysiology", 57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 13, 2017.

Symposium (chair): "Novel approaches towards causal inference in Social Neuroscience", International Congress of Psychological Science, Vienna, Austria, March 23-25, 2017.

Symposium (chair): "Novel Perspectives in Social Cognitive Neuroscience", 3rd international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Porto, Portugal, June 23-26, 2016.

Symposium (chair, with Jasminka Majdandžić, Social, Cognitive and Affective Neuroscience Unit, Vienna, Austria): "Social cognition: Developmental perspectives", 55th Conference of Experimental Psychologists ("TeaP: Tagung experimentell arbeitender Psychologen"), Vienna, Austria, March 24-27, 2013.

Symposium (chair, with Ludwig Huber, Messerli Research Institute, Vienna, Austria): "Social cognition: Imitation, empathy and prosocial behavior", 55th Conference of Experimental Psychologists ("TeaP: Tagung experimentell arbeitender Psychologen"), Vienna, Austria, March 24-27, 2013.

Symposium (chaired with Raffaella Rumiati, SISSA Triest, Italy): "The human others – a biological perspective from social neuroscience", 3rd Scientific Meeting of the Federation of European Societies of Neuropsychology, Basel, Switzerland, September 9, 2011.

Funding

Total cumulative funding as PI or co-PI: > € 14 m

*Funding in chronological order; 5 most important grants marked by ****

Current grants

Neuronal circuits in health and disease (key researcher),

Self-other distinction in borderline personality disorder (Principal Investigator), WEAVE project (PIs Patrick Luyten, Henrik Bukowski, Belgium)

Total funding: 1,022,291.00 €

Austrian part: Der Wissenschaftsfonds FWF (The Austrian Science Fund)

Amount: € 393.939,-

Duration: 01/24-12/28

Evolution of the canine and primate social temporal lobe (Co-Investigator, PI Raul Hernández-Pérez)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)

Amount: € 217.950,-

Duration: 03/24-02/2027

****The role of incentives and uncertainty in prosocial behavior (Principal Investigator)*

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)

Amount: € 388.548,-

Duration: 04/24 – 03/27

Networks of the social brain (Co-Investigator, PI Magdalena Boch)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 346.036,-
Duration: 02/24 – 02/27

Dopamine and the precision weighting of social cues (Co-Investigator, PI Bianca Schuster)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 301.120,-
Duration: 03/23 – 04/26

IP-PAD: Interdisciplinary Perspectives on the Politics of Adolescence & Democracy (Faculty Member, Co-Investigator)

Granting institution: MSCA Doctoral Network funded by Horizon Europe
Amount: € 810.993,60
Duration: 03/23 – 02/27

Interaction of human attitudes with dog/wolf behavior (Co-PI, PI Friederike Range)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 604.524,90-
Duration: 11/21 – 10/25

The role of empathy in decision making (Co-Investigator, PI Markus Rütgen)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 87.890,-
Duration: 09/21 – 09/25

The social grid: hexadirectional coding of social memory (Co-Investigator, PI ISaballa Wagner)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 399.535,50
Duration: 07/21 – 06/25

The neural correlates of sexual objectification: from empathy to (pro)social behaviour (Co-Investigator, PI Giorgia Silani)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 349.925,-
Duration: 02/20 – 03/25

****Convergent evolution of the social brain? A comparative dog-human fMRI approach - EVOSOCBRAIN (Principal Investigator)*

Granting institution: Vienna Science and Technology Fund (WWTF)
Amount: € 600.000,-
Duration: 10/19 - 09/23

****Unravelling the role of the opioid system in pain empathy (Principal Investigator)*

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 400.545,-
Duration: 10/2019 – 09/2024

Doctoral College "CogCom2: Cognition and Communication 2" (Co-investigator and Faculty member)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)

Amount: € 5.668.373,04
Duration: 01/2017 – 09/2025

Previous grants:

BayesEmpathy: Bayesian integration in pain and empathy for pain (Co-PI, Host)
Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 162.080,-
Duration: 05/21 – 04/23

Effect of acute stress on social behavior (Principal Investigator)
Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 362.000,- (total sum: € 782.000,-)
Duration: 10/2019 – 02/2023

The effects of violent video games on brain and social behavior (Co-Principal Investigator)
Granting institution: Karolinska Institutet, Stockholm, Sweden
Amount: € 41.839,69
Duration: 05/2017 – 04/2021

****Emotional egocentricity bias across the lifespan (Principal Investigator)*
Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)
Amount: € 296.572,50
Duration: 10/2016-03/2020

Cognitive Science Research Platform – extension 2 (Deputy Speaker)
Granting institution: Intramural, University of Vienna
Amount: € 200.000,-
Duration: 03/2017-02/2019

Interdisciplinary Translational Brain Research Cluster with High Field MR Magnetic Resonance (Principal Investigator; Infrastructure grant)
Granting institution: Austrian Federal Ministry of Science and Research Infrastructure Call
Amount: € 3.500.000.-
Duration: 01/2014-12/2018

Infrastructure for collaborative research: cognitive science and imaging (Principal Investigator; Infrastructure grant)
Amount: € 1.241.974.-
Granting institution: Austrian Federal Ministry of Science and Research Infrastructure Call
Duration: 01/2014-12/2018

The neurobiology of beliefs in dynamic social interactions – Vienna Research Group for Young Investigators (originally Group Proponent and co-PI, since 03/2017 replacing PI Eisenegger, who passed away)
Granting institution: Viennese Science and Technology Fund, Thematic Call “Cognitive Science”
Amount: € 1.499.466.-
Duration: 03/2014 – 02/2018

Cognitive Science Research Platform – extension 1 (Co-Investigator & Board member)

Granting institution: Intramural, University of Vienna

Amount: € 510.000,-

Duration: 03/2014-02/2017

****The role of the opioid system for empathic responses to pain and their link to prosocial behaviour – OPIOIDEMPATHY (Principal Investigator)*

Granting institution: Vienna Science and Technology Fund (WWTF)

Amount: € 500.000

Duration: 01/2012 – 04/2016

Man4Gen – Manual Operation for 4th Generation Airliners (Task Leader)

Granting institution: EU FP7 – Cooperations

Amount (CogSci-Plattform): € 336.000.- (total funding: € 3.575.000.-)

Duration: 09/2012 – 08/2015

Like me: The evolutionary and neuro-cognitive basis of the link between imitation, empathy and prosocial behaviour in dogs and humans (co-Principal Investigator)

Granting institution: Viennese Science and Technology Fund, Thematic Call

“Cognitive Science”

Amount: € 500.000.-

Duration: 03/2012 – 02/2015

Start-up grant to establish the Social, Cognitive and Affective Neuroscience Unit at the Faculty of Psychology, University of Vienna (Principal Investigator)

Granting institution: University of Vienna

Amount (equipment and personnel): € 808.000.-

Duration: 09/2010 – 08/2015

Social decision making: a multi-disciplinary approach in the investigation of decision making in emergency situations (co-Principal Investigator)

Granting institution: DIANET - Danube Initiative and Alps-Adriatic Network

Amount: € 39.278.-

Duration: 09/2013 – 04/2015

Multimodal neuroimaging in clinical neurosciences: Assessment of neurobiological markers for psychiatric disorders (Principal Investigator)

Granting institution: Call for collaborative research clusters, Medical University of Vienna and University of Vienna

Amount: € 201.460.-

Duration: 05/2011 – 04/2014

Multimodal assessment of neurobiological markers for psychiatric disorders (MAN-BIOPSY) (co-Investigator)

Granting institution: Austrian National Bank Anniversary Fund

Amount: € 104.000.-

Duration: 11/2010 – 10/2013

Striatal functions in PDYN genotype variants (Principal Investigator)

Granting institution: Der Wissenschaftsfonds FWF (The Austrian Science Fund)

Amount: € 299.000.-

Duration: 11/2010 – 10/2013

Neural mechanisms of satiation in affective touch, odours, and social rewards (Participating Partner)

Granting institution: Swedish Research Council

Amount: € 300.000.-

Duration: 08/2011 – 08/2014

Using TMS to treat smoking addiction: a combined TMS/fMRI study (Principal Investigator)

Granting institution: Austrian National Bank Anniversary Fund

Amount: € 80.000.-

Duration: 08/2011 – 12/2012

Affective, rational and social influences on moral decision making – a neuroscientific approach (Principal Investigator)

Granting institution: Federal Ministry of Defense and Sports

Amount: € 90.000.-

Duration: 02/2010 – 02/2011

Functional neuroanatomy of unconscious affective priming (Participating Partner)

Granting institution: Austrian Science Fund

Amount: € 89.756.-

Duration: 2006 – 2008

Les fondements neurophysiologiques de l'empathie chez l'homme (The neurophysiological bases of human empathy) (Post-doctoral scholarship)

Granting institution: FoNdation de Recherche Médicale, France, Accueil de Chercheur Etranger (Guest Researcher Programme)

Amount: € 22.800.-

Duration: 12/2004 – 12/2005

Bootstrap-Analysis of Multi-Channel-EEG-Data (Principal Investigator)

Granting institution: Theodor Körner Fonds

Amount: € 1.812.-

Duration: 05/2000 – 12/2000

Scientific contributions

The research of myself and my group has been consistently published in top-tier peer-reviewed journals, such as Nature, PNAS (3x), Nature Communications (4x), Science Advances (2x), eLife (4x), Proceedings of the Royal Society (2x), or Psychological Science (3x). It has also usually been well-received in terms of citations and altmetrics.

ORCID: 0000-0002-5422-0653

ResearcherID Web of Science: B-3357-2014

h-index = 49/63, cumulative citations >12.500/25.000 (Scopus/Google Scholar), i10 index = 161 (Google Scholar)

<https://scholar.google.at/citations?user=fVhv-z8AAAAJ&hl=en>

Selection of 10 most important papers to date

1. Rütgen, M., Seidel, E.M., Silani, G., Riechansky, I., Hummer, A., Windischberger, C., Petrovic, P., & **Lamm, C.** (2015). Placebo analgesia and its opioidergic

regulation suggest that empathy for pain is grounded in self pain. *Proceedings of the National Academy of Sciences USA*, 112(41), E5638–E5646. <https://doi.org/10.1073/pnas.1511269112>

2. Hartmann, H., Forbes, P., Rütgen, M., & **Lamm, C.** (2022). Placebo analgesia reduces costly prosocial helping to lower another's pain. *Psychological Science*, 33(11), 1867–1881. <https://doi.org/10.1177/09567976221119727>
3. Botvinik-Nezer, R., Holzmeister, F., Camerer, C. F., Dreber, A., Huber, J., ... **Lamm, C.**, ... Schonberg, T. (2020). Variability in the analysis of a single neuroimaging dataset by many teams. *Nature*, 582, 84–88. <https://doi.org/10.1038/s41586-020-2314-9>
4. Wagner, I. C., Graichen, L. P., Todorova, B., Lüttig, A., Omer, D. B., Stangl, M. & **Lamm, C.** (2023). Entorhinal grid-like codes and time-locked network dynamics track others navigating through space. *Nature Communications*, 14, 231. <https://doi.org/10.1038/s41467-023-35819-3>
5. Silani*, G., **Lamm***, C., Ruff, C.C., & Singer, T. (2013). Right supramarginal gyrus is crucial to overcome emotional egocentricity bias in social judgments. *Journal of Neuroscience*, 33(39), 15466–15476. <https://doi.org/10.1523/JNEUROSCI.1488-13.2013>
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- in society across 68 countries. *Nature Human Behaviour*, accepted for publication
3. Pronizius, E.*, Forbes, P.A.G.*, Feneberg, A.C., Miculescu, B., Nater, U.M., Piperno, G., Silani, G., Stijovic, A., & **Lamm, C.** (2024). Everyday helping is associated with enhanced mood but greater stress when it is more effortful. *Scientific Reports*, accepted for publication
 4. Doell, K.*, Todorova, B.*, Vlasceanu, M.*, Bak-Coleman, J., ... **Lamm, C.**, ... & Van Bavel, J. J. (2024). The International Climate Psychology Collaboration: Climate change-related data collected from 63 countries (2024). *Scientific Data*, 11(1066). <https://doi.org/10.1038/s41597-024-03865-1>
 5. Mede, N.*, Cologna, V.*, Berger, S., ..., **Lamm, C.**, ... Zwaan, R. A. (2024). Perceptions of science, science communication, and climate change attitudes in 68 countries – the TISP dataset. *Scientific Data*, accepted for publication. Available as preprint: <https://osf.io/preprints/psyarxiv/jktsy>
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*equal contributions/shared authorship

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21. Tscheligi, M., Giller, V., & **Lamm, C.** (2002). Der mobile Benutzer und seine Sorgen mit mangelnder Benutzbarkeit. In *Handbuch Internet. Der Business-Guide für optimale Präsenz und langfristigen Erfolg im Netz*. Wien: Falter Verlag. [The mobile user and his problems with inefficient usability; In Handbook internet. Business guide for optimal representation and lasting success in the world wide web] (BC)
22. Bauer, H., & **Lamm, C.** (2001). Kognitive Neurowissenschaften und Neuroimaging. *Psychologie in Österreich*, 21(5), 429-433. [Cognitive Neurosciences and Neuroimaging] (P)
23. **Lamm, C.**, Windischberger, C., Leodolter, U., Moser, E., & Bauer, H. (2001). Combination of functional magnetic resonance and slow cortical potential imaging in the assessment of cognitive processing. In K.W. Kallus, N. Posthumus, & P. Jiménez (Eds.), *Current psychological research in Austria. Proceedings of the 4th scientific conference of the Austrian Psychological Society (ÖGP)*. Graz: Akademische Druck- u. Verlagsanstalt. (P)
24. Flexer, A., Bauer, H., **Lamm, C.**, & Dorffner G. (2001). Model-based noise reduction for single trial evoked potentials. In D.J. Miller et al. (eds.), *Neural networks for signal processing XI*. New York: Institute of Electrical and Electronics Engineers. (P)
25. **Lamm, C.** (1999). Bewußtsein: neurale Grundlagen, subjektives Erleben und Grenzen menschlicher Erkenntnis. In T. Sluneko, O. Vitouch, C. Korunka, H. Bauer & B. Flatschacher (Hrsg.), *Psychologie des Bewußtseins - Bewußtsein der Psychologie*. Wien: Wiener Universitäts Verlag. [Consciousness: neural bases, subjective experience and limitations of human understanding; In Psychology of consciousness – awareness of psychology] (BC)
26. Bauer, H., **Lamm, C.**, & Vitouch, O. (1998). Topographie der Bestandpotentialänderungen bei Bearbeitung räumlicher Aufgaben. In J. Glück, O. Vitouch, M. Jirasko & B. Rollett (Hg.), *Perspektiven psychologischer Forschung in Österreich*. Wien: WUV-Universitätsverlag. (B) [Topography of steady potentials in processing spatial tasks; In Perspectives of psychological research in Austria] (P)

27. Bauer, H., **Lamm, C.**, & Vitouch, O. (1998). Slow potential topography and cognitive anatomy. In F. Rattay (Ed.), *Proceedings TU-BioMed Symposium 1998 'Brain Modelling'* (ARGESIM Report No. 10). Vienna: ARGESIM. (P)
28. **Lamm, C.**, Klauda, E., Bauer, H., Vitouch, O., & Leodolter, M. (1998). Kortikale Korrelate unterschiedlicher Bearbeitungspräferenzen bei visuell und akustisch evozierten Vorstellungsprozessen. In J. Glück, O. Vitouch, M. Jirasko & B. Rollett (Hg.), *Perspektiven psychologischer Forschung in Österreich*. Wien: WUV-Universitätsverlag. [Cortical correlates of differing processing strategies during visual and acoustic imagery; In Perspectives of psychological research in Austria] (P)
29. Vitouch, O., Bauer, H., **Lamm, C.**, Vanecek, E., & Leodolter, M. (1998). DC-Potentialtopographien musikbezogener Kognitionen: Imaginative und motorische Komponenten beim Klavierspiel. In J. Glück, O. Vitouch, M. Jirasko & B. Rollett (Hg.), *Perspektiven psychologischer Forschung in Österreich*. Wien: WUV-Universitätsverlag. [DC-potential topographies during musical cognitions: imaginative and motor components during piano playing; In Perspectives of psychological research in Austria] (P)

Monographs (unpublished)

1. **Lamm, C.** (2001). *Functional neuroanatomy of dynamic visuo-spatial imagery*. Unpublished Ph.D. thesis, University of Vienna.
2. **Lamm, C.** (1996). *Raumvorstellungstraining & langsame ereigniskorrelierte Potentiale. Eine Untersuchung von Trainingseffekten auf DC-EEG derivierte corticale Aktivitätsmaße unter Verwendung Rasch-homogenen Stimulusmaterials*. Master's thesis, University of Vienna. [Training of spatial cognition and slow event-related cortical potentials. An investigation of training effects on measures of cortical activity using Rasch-homogeneous task materials]

Invited talks and lectures

Over 50 invited oral presentations at international conferences, colloquia, workshops, and summer schools. Recent Top 5:

- Keynote Lecture "Social Neuroscience During the Covid-19 Pandemic, and Beyond - How Age, Social Connectedness, and Prosociality Affect Resilience and Mental Health". *Brain and Mental Health Conference 2024*, Hong Kong Shue Yan University, June 15-16, 2024. (online)
- Keynote Lecture "Social Aspects of Placebo Effects". *4th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS)*, Duisburg, Germany, May 10-13, 2023.
- Invited symposium talk "Shared, yet distinct: The neural mechanisms of human empathy". Keystone Symposia on Molecular and Cellular Biology, September 4-7, 2022.
- Keynote Lecture "The social neuroscience of empathy - from shared affect to self-other distinction". Neuromatch 3.0, October 26, 2020.
- Keynote Address "The social neuroscience of empathy - from shared affect to self-other distinction". International Congress of Psychology (ICP) 2020+, Prague, July 18-23, 2021.
- Invited talk in "Integrative Science" symposium, APS-International Convention of Psychological Science (ICPS), Vienna, Austria, March 25, 2017.

- Keynote lecture "Comparative Affective Science: The Intersection of Biology and Psychology", Lorentz Center, Universiteit Leiden, July 24, 2017

Full list in chronological order:

1. Keynote talk (online) "Social neuroscience and the Covid-19 pandemic". *Brain and Mental Health Conference: Neuropsychological Underpinnings of Mental Health Across Lifespan: From the Young to the Old in the Time of Covid-19 Pandemic*, June 16, 2024, **Lamm, C.**
2. Invited colloquium talk "Neural bases of empathy, prosocial and pro-environmental behaviour". *Universität Würzburg Research Training Group – neural mechanisms of (mal)adaptive approach and avoidance behaviour*, June 7, **Lamm, C.**
3. Keynote Lecture "Social Aspects of Placebo Effects". *4th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS)*, Duisburg, Germany, May 10-13, 2023, Leknes, S., Babel, P., **Lamm, C.**
4. Keynote Lecture "Empathy for pain and its link to prosocial behavior". *Resolve Pain Retreat*, University of Würzburg, March 16, 2023, **Lamm, C.**
5. Talk "Neural mechanisms of empathy and prosocial behavior". *Cooperation Colloquia*, Vienna, January 27, 2023, **Lamm, C.**
6. Keynote Lecture "Novel multi-method neuroimaging approaches to unravel the complexities of the human social brain". *Czech-BioImaging Annual Scientific Conference*, Hustopeče, October 4-5, 2022, **Lamm, C.**
7. Invited symposium talk "Shared, yet distinct: The neural mechanisms of human empathy". *Keystone Symposia on Molecular and Cellular Biology*, September 4-7, 2022, **Lamm, C.**
8. Invited conference talk "The Social Neuroscience of Empathy and Prosocial Behavior". *Progress in Psychoradiology and Cognitive / Affective Neuroscience (PiPCAN)*, December 03, 2021, **Lamm, C.**
9. Invited symposium talk "Comparative and neural approaches to social cognition" (with Natalie Sebanz) in CogSci2021 conference "Comparative Cognition – Animal Minds", Vienna, July 26-29, 2021 (online format due to Covid-19), **Lamm, C.**
10. Keynote Address "The social neuroscience of empathy - from shared affect to self-other distinction". *International Congress of Psychology (ICP) 2020+*, Prague, July 18-23, 2021. **Lamm, C.**
11. *Keynote Lecture* "The social neuroscience of empathy - from shared affect to self-other distinction". *Neuromatch 3.0*, October 26, 2020, **Lamm, C.**
12. *Bühlerkolloquium*, TU Dresden, June 16, 2020: **Lamm, C.**, Shared, yet distinct: multi-method insights into the neural bases of empathy
13. „Hardwired Sociality?“ *Workshop*, Vienna University of Economics and Business, November 29-30, 2019: **Lamm, C.**, The neural bases of empathy - hardwired, or not?
14. *Keynote lecture „Tourismus - Klima(wandel) – Konsum“*, Universität Innsbruck, November 22, 2019: **Lamm, C.**, Wie psychologische Denk- und Verhaltensmuster zum menschengemachten Klimawandel beitragen.
15. *The CDL at the Animal Training Conference*, Warsaw, Polen, November, 2019: Karl, S., Boch, M., Virányi, Z., Marshall-Pescini, S., **Lamm, C.**, & Huber, L. Training pet dogs to investigate their cognitive abilities by using different methods.
16. *Neuroscience Seminars, Invited talk*, Sussex, United Kingdom, May 13, 2019: **Lamm, C.** The social neuroscience of empathy.
17. *Sylvius Lecture, Invited talk*, Leiden, Netherlands, May 9, 2019: **Lamm, C.** Shared yet distinct - the neural bases of empathy.

18. *Neurobiology of Empathy, Two-day Workshop, Warsaw Sept 10-11, 2018: Lamm, C.* The role of the opioid system in empathy for pain.
19. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11, 2017: Rauchbauer, B., Lamm C.* Multimethod evidence of mimicry being used to appease anger.
20. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 13, 2017: Lamm, C.* The neural mechanisms of empathy for pain – from shared activations to shared representations?
21. *Keynote lecture "Comparative Affective Science: The Intersection of Biology and Psychology" workshop, Lorentz Center, Universiteit Leiden, July 24, 2017: Lamm, C.,* What does it mean to be well, and how can we feel and know that?
22. *"Neuroscience goes social" workshop, Sapienza Universita di Roma, May 26, 2017: Lamm, C.,* How causal experimental manipulations help to advance our understanding of the social brain.
23. *Zangwill Club Series, University of Cambridge, April 28, 2017: Lamm, C.,* Empathy – from shared affect to self-other distinction.
24. *Fifth Biennial Conference on Resting State Brain Connectivity, Vienna, Austria, September 24, 2016: Lamm, C.,* Non-invasive brain stimulation in social neuroscience (Satellite Workshop)
25. *Symposium Psychology in Legal Proceedings, Center for the Economic Analysis in Law, Vienna, Austria, June 13, 2016: Lamm, C.,* Empathy – Boon and Bane of Decision
26. *Cognitive science research platform (CogSci Talk), Vienna, Austria, October 15, 2016: Lamm, C.,* The neural bases of empathy - novel insights from a multimethod social neuroscience approach.
27. *The 6th International Meeting of the Haifa Forum for Brain and Behavior, Haifa, Israel, February 14, 2016: Lamm, C.,* Understanding empathy-advancing from neural correlates to neural mechanisms.
28. *Colloquium of the Central European Institute of Technology (CEITEC), Brno, Czech Republic, February 12, 2016: Lamm, C.,* The neural bases of empathy - novel mechanistic insights from a multimodal social neuroscience approach.
29. *Keynote lecture, Slovak Academy of Sciences, 14th Psychopharmacological Symposium, Smolenice, Slovakia, November 27, 2015.*
30. *Colloquium of the Institute of Cognitive Neuroscience, University College London, November 9, 2015: Lamm, C.,* The neural mechanisms of empathy: Novel insights from a multimethod social neuroscience approach.
31. *Summer School "The social self", Aegina Greece June 22 2015: Lamm, C.,* The neural bases of empathy and self-other distinction
32. *Reading Emotions Workshop, Reading UK June 4 2015: Lamm, C.,* Empathy for pain – is there any evidence for „shared representations“?
33. *European Workshop on Cognitive Neuropsychology, Bressanone Italy January 28, 2015: Lamm, C.,* The neural substrates of empathy and self-other distinction.
34. *International Summer School in Social Cognitive Neuroscience (SCONE), SISSA, Trieste, Italy, July 23, 2014: Lamm, C.,* Neuroimaging in Social Cognitive Neuroscience.
35. *Symposium "Understanding Each Other: Towards an Interdisciplinary Conceptualization of Empathy", Utrecht University, Netherlands, May 1, 2014: Lamm, C.,* The neurological underpinnings of empathy.

36. *Workshop "Empathy: the neurology and interpersonal effects of understanding and feeling for others", Utrecht, Netherlands, May 2, 2014: Lamm, C.,* Testing the shared representations account of empathy using a neuroscience approach
37. *"Shedding light on the shadow of economy" workshop, Vienna, Austria, September 27, 2013: Lamm, C.* Neuroscientific methods.
38. *Distinguished Lecture Series, Faculty of Law, University of Vienna, Austria, June 24, 2013: Lamm, C.,* Neurowissenschaftliche Grundlagen von Empathie und Egozentrismus – Implikationen für Forensik und Rechtswissenschaften [The neural bases of empathy and egocentrism – implications for forensics and law]
39. *European Science Foundation ESCON2 Transfer of Knowledge Meeting, Vilnius, Estonia, Aug 28 2013, Preconference on Social Neuroscience: Lamm, C.* From empathy to prosocial behavior.
40. *Alpine Brain Imaging Meeting (ABIM), Champéry, Switzerland, January 10, 2013: Lamm, C.,* From empathy to prosocial behavior.
41. *Psychobiological Colloquium, University of Freiburg, Germany, December 20, 2012: Lamm, C.,* From empathy to prosocial behavior - a social neuroscience approach.
42. *3rd European Workshop on Social Neuroscience, University of Ghent, Belgium, June 24-28 2013: Lamm, C.,* Neuroscience of Emotion and Morality.
43. *Colloquium of the Culture and Social Cognitive Neuroscience Laboratory, Department of Psychology, Peking University, June 15, 2012: Lamm, C.,* Multimodal neuroimaging of empathy and social cognition.
44. *Helsinki Collegium for Advanced Studies, Helsinki, Finland, June 5-6, 2012: Lamm, C.,* The neural underpinnings of empathy.
45. *Colloquium of the Central European Institute of Technology (CEITEC), Brno, Czech Republic, Mai 7, 2012: Lamm, C.,* Using multimodal neuroimaging to unveil the neural mechanisms of social cognition.
46. *10. Tagung der Österreichischen Gesellschaft für Psychologie [10th Scientific Meeting of the Austrian Psychology Association], Graz, Austria, April 12-14, 2012: Lamm, C.,* Soziale Neurowissenschaften – Eine Kurzvorstellung [Social neurosciences – A short introduction]
47. *Society for Ethics, Austrian Academy of Sciences, Symposium "Altruism 2". November 9, 2011: Lamm, C.,* The link between empathy, compassion, and prosocial behavior.
48. *Federation of European Societies of Neuropsychology (ESN) Congress 2011: Lamm, C.,* Humanized perception of potential victims during moral decision making recruits empathy-related brain areas.
49. *Colloquium of the Cognitive Neuroscience Sector of the International School of Advanced Studies (S.I.S.S.A.), Trieste/Italy, July 8, 2011: Lamm, C.,* The role of emotions in moral judgment – a social cognitive neuroscience approach.
50. *Mei:CogSci Conference 2011, Ljubljana, June 18, 2011: Lamm, C.,* Neural mechanism underlying the experience of empathy.
51. *International Applied Military Psychology Symposium (IAMPS), Vienna, May 26, 2011: Lamm, C.,* Majdandžić, J., Windischberger, C., Langer, C., Moser, E., & Bauer, H., Humanized perception of potential victims during moral decision making recruits empathy-related brain areas.
52. *HABITVS Conference on understanding virtue: New directions bridging Neuroscience and Philosophy.* May 19, 2011: Invited Panel Member. Travis Research Institute, Fuller Theological Seminar and CalTech, Pasadena, CA.

53. *10. Austrian fMRI-Symposium, Graz, Austria, December 4, 2010: Lamm, C., Der Einsatz von fMRT zur Untersuchung sozialer Prozesse [Using fMRI to investigate social phenomena]*
54. *Autumn School – The functions of the anterior cingulate cortex. Oppburg, Germany, November 26, 2010: Lamm, C., Social cognition and the ACC.*
55. *German Association for Psychiatry and Psychotherapy, Main Symposium ("Hauptsymposium") "Deficits in social cognition: a marker for psychiatric disorders?", Berlin, Germany, November 25, 2010: Lamm, C., Neural networks involved in the experience of empathy.*
56. *Deutscher Schmerzkongress 2010, Symposium „Empathie und Schmerz“, Mannheim, Germany, October 8, 2010: Lamm, C., Empathie für Schmerz als veränderbare Reaktion: Die Relevanz neuronaler Befunde für den klinischen Alltag [Empathy for pain as a malleable response: the relevance of neuroscientific findings for clinical practice]*
57. *Internationales Symposium zu bildgebenden Verfahren, 9. Tagung der Österreichischen Gesellschaft für Psychologie [Neuroimaging Symposium, 9th Meeting of the Austrian Psychology Association], Salzburg, Austria, April 10, 2010: Lamm, C., Die Untersuchung sozialer Prozesse mittels fMRT [Investigating social processes using fMRI]*
58. *Action Colloquium, Max Planck Institute for Human Cognitive and Brain Sciences, Psychology Group (Prof. Prinz), Leipzig, Germany, January 26, 2010: Lamm, C., The multiple routes to empathy.*
59. *Karolinska Institute, Department of Clinical Neuroscience, Stockholm, Sweden, October 15, 2009: Lamm, C., Human empathy – a social neuroscience perspective.*
60. *Colloquium of the IRTG 1328 Schizophrenia and Autism, RWTH Aachen, Germany, October 6, 2009: Lamm, C., The neural bases of empathy.*
61. *European Neuroscience and Society Network, Mini-Neuroschool: Social Neuroscience and Neuroimaging, Vienna, Austria, April 1, 2009: Lamm, C., Social Neuroscience – current research questions and conceptual issues.*
62. *Annual Meeting of the Society for Personality and Social Psychology (SPSP), Symposium Sharing, understanding and caring about the emotions of others: Relationships between different facets of empathy, Tampa, FL, USA, February 7, 2009: Lamm, C., The role of top-down processes in modulating empathy – a social neuroscience perspective.*
63. *Colloquium of the Cognitive and Affective Control Lab, Columbia University, USA, June 6, 2008: Lamm, C., Neural bases of empathy.*
64. *Colloquium "Foundations of Human Social Behaviour", University of Zurich, Switzerland, October 11, 2007: Lamm, C., Upside down, inside out – neurobehavioral investigations of the modulation of empathy.*
65. *Department of Psychology Colloquium, University of Vienna, Austria, March 27, 2007: Lamm, C., The neural bases of empathy.*
66. *Department of Psychology Colloquium, Rutgers University, Newark, NJ, February 23, 2007: Lamm, C., The ups and downs of empathy – neurobehavioral investigations of the modulation of empathy*¹⁰. *Tagung der Österreichischen Gesellschaft für Psychologie [10th Scientific Meeting of the Austrian Psychology Association], Graz, Austria, April 12-14, 2012.*
67. *Brain Research Imaging Center Roundtable, The University of Chicago, October 19, 2006: Lamm, C., Event-related paradigms and the separability of*

hemodynamic responses to successive events – implications for an fMRI study investigating the role of shared experiences in empathy for pain.

68. *4th Austrian fMRI Symposium, Medical University Vienna, Austria, December 10-11, 2004: Lamm, C.,* Mentale Rotation [Mental rotation]
69. *Social Cognitive Neuroscience Colloquium, University of Washington, Seattle, USA, April 29, 2004: Lamm, C.,* The role of premotor areas in mental rotation and spatial cognition: Combined evidence from fMRI and ERPs.
70. *Department of Psychology, University Klagenfurt, Klagenfurt, Austria, October 15, 2003: Lamm, C.,* Drogen und Gehirn – Neurophysiologie und Neuroanatomie von Abhängigkeit und Substanzmissbrauch [Drugs and the brain – neurophysiology and neuroanatomy of addiction and substance abuse]
71. *Max-Planck Society for Psychological Research, Munich, Germany, May 30, 2001: Lamm, C.,* DC-Potentiale, fMRT und räumliche Kognition [DC potentials, fMRI and spatial cognition]
72. *Symposium fMRI and Neuropsychological Functions, University of Liechtenstein, Valens, Switzerland, April 26, 2001: Lamm, C.,* Kombination von fMRI und EEG zur Untersuchung kognitiver Prozesse [Combination of fMRI and EEG in investigating cognitive processing]
73. *Colloquium of the Cognitive Psychophysiology Group, University of Marburg, Germany, February 11, 2000: Lamm, C.,* Koregistrierung von langsamen ereigniskorrelierten Potentialen und funktioneller Magnetresonanztomographie während Raumvorstellungsprozessen [Co-registration of slow event-related cortical potentials and fMRI during visuo-spatial imagery]
74. *Neuroscience Seminars, Austrian Society of Neuroscience, Vienna, Austria, December 15, 1999: Lamm, C.,* fMRI und Slow Potential Topography bei Raumvorstellungsprozessen [fMRI and Slow Potential Topography during visuo-spatial imagery]
75. *Colloquium "Medical Physics and Biophysics", Institute for Medical Physics, University of Vienna, Austria, June 22, 1999: Lamm, C.,* Mentale Rotation und fMRI [Mental rotation and fMRI]
76. *Conferencia Internacional Ciencia y Tecnologia para el Desarrollo - CIMAF '99 La Habana, Cuba, March 22-26, 1999: Vitouch, O. and Lamm, C.,* Application of statistical inference methods to brain imaging data: 'The small n, big k trap'.

Conference talks (submitted, reviewed)

1. *ASCP 2019, American Society of Clinical Psychopharmacology, May 28-31, Scottsdale (Phoenix) Arizona: Kraus, C., Seiger, R., Pfabigan, D.M., Sladky, R., Auer, B., Tik, M., Paul, K., Woletz, M., Spies, M., Gryglewski, G., Vanicek, T., Komorowski, A., Kasper, S., Lamm, C., Windischberger, C., Lanzenberger, R.* Prediction of Antidepressant Treatment Outcomes with Ultra-high Field Magnetic Resonance Imaging.
2. *4th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Leiden, Netherland, July 21, 2018: Bukowski, H., Tik, M., Silani, G., Ruff, C., Windischberger, C., Lamm, C.,* Self-Other distinction in empathy is modulated by cTBS on right supramarginal gyrus and dispositional cognitive empathy: An rTMS/fMRI study.
3. *4th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Leiden, Netherland, July 20, 2018: Rütgen, M., Pletti, C., Tik, M., Kraus, C., Geissberger, N., Klöbl, M., Woletz, M., Vanicek, C.,*

- Windischberger, C., Lanzenberger, R., **Lamm, C.**, Disentangling the effects of major depression disorder and antidepressant treatment on empathy for pain.
4. *4th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Leiden, Netherland, July 20, 2018*: Renberg Tamm, S., Nilsonne, G., Schwarz, J., **Lamm, C.**, Kecklund, G., Petrovic, P., Fischer, H., Åkerstedt, T., Lekander, M., The effect of sleep restriction on empathy for pain and emotional mimicry: An fMRI study in younger and older adults.
 5. *4th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Leiden, Netherland, July 20, 2018*: Riva, F., Tschernegg, M., Kronbichler, M., **Lamm, C.**, Silani, G., The influence of age on emotional egocentrism.
 6. *Conference on Decision Sciences, Konstanz, Germany. September 25 – 28, 2018*. Gangl, K., Pfabigan, D., **Lamm, C.**, Kirchler, E., & Hofmann, E. (2017): Coercive and legitimate authority impact tax honesty: Evidence from behavioral and ERP experiments.
 7. *51st Congress of the German Association of Psychology, Frankfurt, Germany. September 15 – 20, 2018*: Gangl, K., Pfabigan, D., **Lamm, C.**, Kirchler, E., & Hofmann, E. (2017). Coercive and legitimate authority impact tax honesty: Evidence from behavioral and ERP experiments.
 8. *International Convention of Psychological Science (ICPS), Vienna, Austria. March 23-25, 2017*: **Lamm, C.** Combining psychopharmacology, fMRI, EEG and experimental design manipulations to gain better insights into functional equivalence.
 9. *XXIV National Congress of the Italian Society of Psychophysiology (SIPF), Milan, Italy, October 27-29, 2016*: Morese, R., Bosco, M. F., **Lamm, C.**, Valentini, M.C., Silani, G. Social support modulates the neural correlates underlying social exclusion.
 10. *3rd international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Porto, Portugal, June 23-26, 2016*: Rütgen, M., Seidel, E.M., Gartus, A., Riecanaky, I., **Lamm, C.** Common opioidergic modulation of first-hand experience and empathy for pain: neural evidence from event-related potentials.
 11. *Euroasian Pacific Joint Conference on Cognitive Science, Turin, Italy, Sept. 25-27, 2015*: **Lamm, C.** The neurophysiology of empathy.
 12. *EASP Small Group Meeting "Towards a neuroscience for social psychologists", Graz, Austria, Sept 9-11, 2015*: Bukowski H., **Lamm, C.** Pitfalls in Social Neuroscience: The case of empathy.
 13. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Sladky, R., Hahn, A., Stürkat, I.-L., Hoffmann, A., Kranz, G., Tik, M., Seiger, R., Pfabigan, D., **Lamm, C.**, Lanzenberger, R., Windischberger, C. Modeling effective connectivity in the extended emotion processing network using DCM at 7T.
 14. *44th Annual ISPNE Conference: Sex and Gender across the lifespan, Montréal, Canada, August 19-22, 2014*: **Lamm, C.**, Tomova, L., von Dawans, B., Heinrichs, M., Silani, G. Effects of acute stress on self-other distinction.
 15. *11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie"), Vienna, Austria, April, 24 – 26, 2014*: Abrahamczik, M., Seidel, E.M., Riecanaky, I., Silani, G., **Lamm, C.** "The analgesic I took will ease our pain"- Generalization of placebo analgesia to empathy for pain.

16. *11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie")*, Vienna, Austria, April, 24 – 26, 2014: Tomova, L., von Dawans, B., Heinrichs, M., Silani, G., **Lamm, C.** Is stress affecting our ability to tune into others? Evidence for gender differences in the effects of stress on self-other distinction.
17. *11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie")*, Vienna, Austria, April, 24 – 26, 2014: Majdandžic, J., Rauchbauer, B., Maksimova, M., Gerger, G. & **Lamm, C.** Effects of movement congruency on empathy and prosocial behavior.
18. *11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie")*, Vienna, Austria, April, 24 – 26, 2014: Riečanský, I., Paul, N., Kölbl, S., Stieger, S. & **Lamm, C.** In-group bias in sensorimotor resonance during observation of pain in others.
19. *11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie")*, Vienna, Austria, April, 24 – 26, 2014: Riva, F., Silani, G., Kronbichler, M., Tschernegg, M., **Lamm, C.** Self and other distinction in the motor, cognitive and emotional domains: same or distinct functions? A behavioral and neurophysiological investigation.
20. *11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie")*, Vienna, Austria, April, 24 – 26, 2014: Pfabigan, D.M., Seidel, E., Lehner, S., Keckeis, K., Eisenegger, C. & **Lamm, C.** Social decision making in psychopathy.
21. *3rd ToK Conference of CompCog*, Vienna, Austria, July 3-5, 2013: Pripfl, J., & **Lamm, C.** Cognitive control of emotion in risky decision making: Hemispheric lateralization of dorsolateral prefrontal cortex function.
22. *16th Congress of the European Association of Work and Organizational Psychology (EAWOP)*, Münster, Germany, May, 22-25, 2013: Gangl, K., Hofmann, E., Pfabigan, D., **Lamm, C.**, & Kirchler, E. The effect of coercive power and legitimate power of tax authorities on tax behavior.
23. *55th Conference of Experimental Psychologists ("TeaP – Tagung experimentell arbeitender Psychologen")*, Vienna, Austria, March 24-27, 2013: Seidel, E.-M., Silani, G., Metzler, H., Thaler, H., **Lamm, C.**, Gur, R.C., Kryspin-Exner, I., Windischberger, C., Moser, E., Habel, U., & Derntl, B. Social interaction divergently affects testosterone and progesterone.
24. *55th Conference of Experimental Psychologists ("TeaP – Tagung experimentell arbeitender Psychologen")*, Vienna, Austria, March 24-27, 2013: Majdandžić, J., Rauchbauer, B., Huber-Huber, C., & **Lamm, C.** Effects of motor congruency on empathy and prosocial behavior.
25. *55th Conference of Experimental Psychologists ("TeaP – Tagung experimentell arbeitender Psychologen")*, Vienna, Austria, March 24-27, 2013: Pfabigan, D.M., Seidel, E.-M., Wucherer, A., Keckeis, K., Derntl, B., & **Lamm, C.** Empathic abilities in psychopathic and non-psychopathic violent offenders.
26. *55th Conference of Experimental Psychologists ("TeaP – Tagung experimentell arbeitender Psychologen")*, Vienna, Austria, March 24-27, 2013: Pripfl, J., & **Lamm, C.** The involvement of the DLPFC in risky decision making: A transcranial direct current stimulation study.
27. *55th Conference of Experimental Psychologists ("TeaP – Tagung experimentell arbeitender Psychologen")*, Vienna, Austria, March 24-27, 2013: Riečanský, I., Haller, B., & **Lamm, C.** The effects of repetitive transcranial magnetic stimulation on visually-guided decisions.

28. *55th Conference of Experimental Psychologists ("TeaP – Tagung experimentell arbeitender Psychologen")*, Vienna, Austria, March 24-27, 2013: Tomova, L., Pripfl, J., & **Lamm, C.** Using TMS to treat smoking addiction: Changes of acute effects over time.
29. *10. Tagung der Österreichischen Gesellschaft für Psychologie [10th Scientific Meeting of the Austrian Psychology Association]*, Graz, Austria, April 12-14, 2012: Koller, I., & **Lamm, C.** Forschungsreferat: Psychometrische Eigenschaften des SPFs für Empathie unter Anwendung des Partial Credit Modells [Psychometric characteristics of the SPF concerning empathy by utilize the partial credit model]
30. *10. Tagung der Österreichischen Gesellschaft für Psychologie [10th Scientific Meeting of the Austrian Psychology Association]*, Graz, Austria, April 12-14, 2012: Pfabigan, D., Pintzinger, N., Siedek, D., **Lamm, C.**, Derntl, B., & Sailer, U. Einfluss erlernter Hilflosigkeit auf neuronale Korrelate der Fehlerverarbeitung [Investigating learned helplessness on neural correlates concerning error processing]
31. *5th Scientific Meeting of the Austrian Psychology Association*, Vienna, Austria, March 1-2, 2002: **Lamm, C.**, Windischberger, C., Leodolter, U. Moser, E., & Bauer, H. Funktionelle Relevanz motorischer Areale bei der Verarbeitung räumlicher Information [Functional relevance of motor areas during processing spatial information]
32. *35th Annual Meeting of the German Society for Neuroradiology*, Marburg, Germany September 6-9, 2000: **Lamm, C.**, Windischberger, C., Moser, E., & Bauer, H. Untersuchung höherer kognitiver Prozesse mittels fMRT und EEG [Investigating higher-order cognitive processing using fMRI and EEG]
33. *4th Scientific Meeting of the Austrian Psychology Association*, Graz, Austria, December 3-4, 1999: **Lamm, C.**, Windischberger, C., Moser, E., & Bauer, H. Coregistrierung von Slow Potential Topography und funktioneller Magnetresonanztomographie bei der Verarbeitung von Raumvorstellungsaufgaben. [Co-registration of slow event-related cortical potentials and fMRI during visuo-spatial imagery]
34. *4th Scientific Meeting of the Austrian Psychology Association*, Graz, Austria, December 3-4, 1999: Bauer, H., **Lamm, C.**, & Leodolter, M. Topographie langsamer kortikaler Potentiale bei Emotionen. [Topography of slow cortical potentials during emotional experiences]
35. *4th Meeting of the subsection 'Methods in Psychology' of the German Society of Psychology Leipzig*, Germany, September 23-25, 1999: Vitouch, O., **Lamm, C.**, & Glück, J. Matrix-strukturelle Probleme bei der inferenzstatistischen Analyse von Brain Imaging-Daten. [Matrix-structural problems in the statistical analysis of brain imaging data]
36. *European Congress of Radiology ECR '99*, Vienna, Austria, March 7-12 1999: Herold, Ch.J., **Lamm, C.**, Rémy-Jardin, M., Grenier, P., Rémy, J., Schnyder, P., Verschakelen, J.A., Prokop, M., van Rossum, A., Laurent, F., Carette. M.-F., & Hahne, J. (1999). Prospective evaluation of pulmonary embolism: Initial results of the European Multicenter Trial (ESTIPEP).
37. *European Congress of Radiology ECR '99*, Vienna, Austria, March 7-12 1999: Herold, Ch.J., Hahne, J., Grenier, P., Rémy-Jardin, M., Rémy, J., Schnyder, P., Verschakelen, J.A., Prokop, M., Pattynama, P.M.T., Laurent, F., Carette. M.-F., & **Lamm, C.** (1999). Interobserver agreement in prospective evaluation of pulmonary embolism: Results from the ESTIPEP trial.

38. *7th International Conference on Cognitive Neuroscience, Budapest, Hungary, June 27 - July 3 1999*: **Lamm, C.**, Slow waves and spatial cognition.
39. *7th International Conference on Cognitive Neuroscience, Budapest, Hungary, June 27 - July 3 1999*: Vitouch, O., **Lamm, C.**, and Bauer, H. Slow waves and music performance.
40. *41st Congress of the German Society of Psychology, Dresden, Germany, September 27 - October 1, 1998*: **Lamm, C.**, Winkler, B., Bauer, H., Vitouch, O., & Leodolter, M. Slow Potential Topography bei mentaler Transformation und Rotation haptisch dargebotener Stimuli. [Slow Potential Topography during mental transformation and rotation of tactile stimuli]
41. *Technical University-Biomed Symposium, Technical University of Vienna, Vienna, Austria, February 27, 1998*: Bauer, H., **Lamm, C.**, & Vitouch, O. Slow Potential Topography and cognitive anatomy.
42. *3rd Meeting of the Austrian Psychology Association, Salzburg, Austria, December 5-6, 1997*: Bauer, H., Vitouch, O., **Lamm, C.**, & Leodolter, M. Topographie der Bestandpotentialänderungen bei Bearbeitung räumlicher Aufgaben. [Topography of slow potential changes during processing of spatial tasks]
43. *3rd Meeting of the Austrian Psychology Association, Salzburg, Austria, December 5-6, 1997*: Vitouch, O., Bauer, H., Vanecek, E., **Lamm, C.**, & Leodolter, M. DC-Potentialtopographien musikbezogener Kognitionen: Imaginative und motorische Komponenten beim Klavierspiel. [DC-potential topographies during music cognition: Imaginative and motor components in piano playing]

Poster Presentations (selection)

1. *European Society for Cognitive and Affective Neuroscience (ESCAN), July 19-22, 2022*. Todorova, B., Zhang, L., Forbes, P., Nitschke, J., Doell, K., Pahl, S., **Lamm, C.** "The neurocomputational basis of self-benefitting vs pro-environmental behavior", 3rd place poster prize.
2. *2020 American Psychosomatic Society (APS) Virtual Meeting, Pursuing Health Equity in the Context of COVID-19: The Essential Role of Psychosomatic Science, December 3-4, 2020*. Feneberg, A., Forbes, P., Pronizius, E., Stijovic, A., Silani, G., **Lamm, C.**, Nater, U. "Music listening as a means for stress regulation during the COVID-19 pandemic: a large binational ecological momentary assessment study"
3. *36. Jahrestagung der Deutschen Gesellschaft für Musikpsychologie e.V. (DGM), September, 3-6, 2020*. Feneberg, A., Forbes, P., Pronizius, E., Stijovic, A., Silani, G., **Lamm, C.**, Nater, U. „Quarantunes: Vorläufige Ergebnisse einer Ecological Momentary Assessment-Studie zu den Effekten des Musikhörens auf Stresserleben und Stimmung während der COVID-19-Krise"
4. *European Student Conference on Behaviour & Cognition, Padua, Italy, September 4-7, 2019*: Karl, S., Boch, M., **Lamm, C.**, Huber, L. Who do you prefer? Investigating the human-dog attachment system in pet dogs.
5. *American College of Neuropsychopharmacology (ACNP) Congress, Hollywood, Florida, USA, December 9-13, 2018*: Kraus, C., Seiger, R., Pfabigan, D.M., Sladky, R., Gryglewski, G., Vanicek, T., Auer, S., Tik, M., Komorowski, A., Paul, K., Woletz, M., Kasper, S., **Lamm, C.**, Windischberger, C., Lanzenberger, R. Hippocampal subfields in acute and remitted depression – a longitudinal 7T MRI Study.
6. *II International Conference on Animal Training, Warsaw, Poland, November 16-18*: Karl, S., Boch, M., **Lamm, C.**, Huber, L. Don't move! Training pet dogs to use functional magnetic resonance imaging (fMRI).

7. *Workshop "From Self-knowledge to knowing others", Brussels, Belgium, 16th November 2018*: Boch, M., Karl, S., Wagner, I., Huber, L., **Lamm, C.** A rewarding human smile. An fMRI study investigating canine emotion perception.
8. *26th Annual Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF) Conference, Turin, Italy, November 15-17, 2018*: Morese, R., Silani, G., **Lamm, C.**, Consuelo Valentini, M., Bosco, F. The effect of social support on social pain: an fMRI study.
9. *4th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Leiden, Netherland, July 19-22, 2018*: Zhao, Y., Rütgen, M., **Lamm, C.** The role of the endogenous opioid system in emotion identification.
10. *6th Canine Science Forum 2018, Budapest, Hungary, July 3-6, 2018*: Boch, M., Karl, S., Wagner, I., Huber, L., **Lamm, C.** A rewarding human smile. An fMRI study investigating canine emotion perception.
11. *6th Canine Science Forum 2018, Budapest, Hungary, July 3-6, 2018*: Karl, S., Boch, M., **Lamm, C.**, Huber, L. Don't move! Training pet dogs to use functional magnetic resonance imaging (fMRI).
12. *8th Symposium on Biology of Decision Making (SBDM 2018), Paris, France, May 21-23, 2018*: Majdandžić, J., Riećansky, I., Zrunek, K. & **Lamm, C.** Social conformity in destructive behaviour towards strangers: Measurement and modulation by interpersonal similarity.
13. *Social brain symposium 2018, Vienna, Austria, May 8-9, 2018*: Boch, M., Karl, S., Wagner, I., Huber, L. & **Lamm, C.** Dynamics vs. static emotion expressions: the same, but different?
14. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11-15, 2017*: Gangl, K., Pfabigan, D., **Lamm, C.**, Kirchler, E., & Hofmann, E. Tax decisions are more conflicting under legitimate than coercive tax authority – an ERP study.
15. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11-15, 2017*: Rütgen, M., Seidel, E. M., Pletti, C., Riećansky, I., Gartus, A., Eisenegger, C., **Lamm, C.** Pharmacology-EEG reveals new insights about shared neural representations of first-hand pain and empathy for pain.
16. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11-15, 2017*: Riećansky, I., Kuntscher, A., **Lamm, C.** Event-related potentials reveal impaired pain empathy processing in autistic individuals.
17. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11-15, 2017*: Wucherer, A., Pfabigan, D., Riećansky, I., **Lamm, C.** Being imitated enhances empathic responses to another person's pain in individuals with high callous traits.
18. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11-15, 2017*: Wagner, I., Rütgen, M., **Lamm, C.** Placebo analgesia changes the multivoxel representations that underlie pain and pain empathy.
19. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11-15, 2017*: Rosenberger, L., Pfabigan, D., Keckeis, K., Seidel, E., Eisenegger, C., & **Lamm, C.** Normative behavior during repeated trust interactions and its association with psychopathic traits in an incarcerated and a community sample.
20. *57th Annual Society for Psychophysiological Research Meeting, Vienna, Austria, October 11-15, 2017*: Pfabigan, D., Wucherer, A., & **Lamm, C.** Believing in control over one's life yields enhanced feedback saliency signals in a social comparison context.

21. *Workshop "Comparative Affective Science: The Intersection of Biology and Psychology", Leiden, the Netherlands, July 24-28, 2017*: Adriaense, J., Martin, J., **Lamm, C.** & Bugnyar, T. Emotional contagion in common ravens: pessimism bias in cognitive performance.
22. *Society for Interdisciplinary Placebo Studies (SIPS), Leiden, the Netherlands, April, 2-4, 2017*: Adriaense, J., Rütgen, M. & **Lamm, C.** Placebo empathy analgesia: an indirect effect of trial design?
23. *International Convention on Psychological Science, Vienna, Austria, March 23-25, 2017*: Adriaense, J., Rütgen, M. & **Lamm, C.** Placebo empathy analgesia: an indirect effect of trial design?
24. *International Convention on Psychological Science, Vienna, Austria, March 23-25, 2017*: Geissberger, N., Klöbl, M., Kraus, C., **Lamm, C.**, Lanzenberger, R., Pletti, C., ... Woletz, M. Antidepressant therapy reduces personal distress to others' pain in patients with major depressive disorder.
25. *International Convention on Psychological Science, Vienna, Austria, March 23-25, 2017*: Hummer, A., **Lamm, C.**, Petrovic, P., Riećanský, I., Rütgen, M., Seidel, E. M., Silani, G., & Windischberger, C. Multimethod Evidence for Shared Representations between First-hand and Vicarious Experience of Pain.
26. *International Convention on Psychological Science, Vienna, Austria, March 23-25, 2017*: **Lamm, C.**, Pfabigan, D., Riećanský, I., & Wucherer, A. M. Neural temporal dynamics of the influence of 'being imitated' on empathy for pain.
27. *International Convention on Psychological Science, Vienna, Austria, March 23-25, 2017*: Chiesa, P. A., **Lamm, C.**, Riva, F., Silani, G. & Tschernegg, M. Age-related changes in the neural correlates of empathy for pleasant and unpleasant touch.
28. *International Convention on Psychological Science, Vienna, Austria, March 23-25, 2017*: Bukowski, H., **Lamm, C.**, & Silani, G. How Attachment and Similarity Mindsets Affect Empathy when Self-Other Distinction Is Required?
29. *6th Vienna Neuroscience Network Meeting & Vienna Doctoral School of Cognition, Behaviour and Neuroscience (CoBeNe) Kick-Off, Vienna, Austria, October 11, 2016*: Rütgen, M., Seidel, E.-M., Silani, G., Riećanský, I., Hummer, A., Windischberger, C., ... **Lamm, C.** Multimethod evidence for shared representations between first-hand and vicarious experience of pain.
30. *3rd international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Porto, Portugal, June 23-26, 2016*: Bukowski, H., Silani, G., Riva, F., Tomova, L., **Lamm, C.** Measuring self-other sharing and self-other distinction as distinct dimensions of empathy.
31. *3rd international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Porto, Portugal, June 23-26, 2016*: Pfabigan, D.M., Gittenberger, M., **Lamm C.** Is Social Feedback Special? neuronal correlates of social and non-social feedback stimuli.
32. *3rd international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN), Porto, Portugal, June 23-26, 2016*: Majdandžić, J., Rauchbauer, B., Gerger, G., Maksimova, M., Chromec, J., Huber-Huber, C., **Lamm, C.** How Imitation Affects Empathy and Prosocial Behavior: The Role of Movement Congruency and Temporal Contingency.
33. *CBSHS/CoED Research Forum, Clemson University, Clemson, SC, USA, April 20, 2016*: Szubski, E. C., Roberson, T. A., Old, A. L., Jellen, J. C., **Lamm, C.**, & Pilcher, J. J. Culture sleep habits: A comparison of Austria and America.
34. *62nd Annual Meeting of the Southeastern Psychological Association, New Orleans, USA, March 30 – April 2, 2016*: Szubski, E. C., Rummel, E. G.,

- Roberson, T. A., Jellen, J. C., **Lamm, C.**, & Pilcher, J. J. Differences in sleep consistency and sleep habits across American and Austrian cultures.
35. *37th Annual Cognitive Science Society, Pasadena, California, USA, July 23-25, 2015*: Stepniczka, I., Tomova, L., Niedermeier, D., Peschl, F.-M., **Lamm, C.** Social Situation Awareness: Empathic Accuracy in the Aircraft Cockpit.
 36. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Goerlich-Dobre, K.S., Habel, U., Pripfl, J., **Lamm, C.**, Votinov, M. The left amygdala: A shared substrate of the cognitive alexithymia and empathy dimensions.
 37. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Goerlich-Dobre, K.S., Votinov, M., Habel, U., Pripfl, J., **Lamm, C.**, Neuroanatomical profiles of alexithymia dimensions and subtypes.
 38. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Sladky, R., Stepniczka, I., Tik, M., **Lamm, C.**, Hoffmann, A., Niedermeier, D., Field, J., Windischberger, C. Neurobiological differences in mental rotation & instrument interpretation in airline pilots
 39. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Stepniczka, I., Sladky, R., Tik, M., **Lamm, C.**, Hoffmann, A., Niedermeier, D., Field, J., Windischberger, C. Brain mapping in aircraft pilots in-flight: Monitoring and anticipation in challenging situations.
 40. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Sladky, R., Stepniczka, I., Tik, M., **Lamm, C.**, Hoffmann, A., Buch, J.P., Niedermeier, D., Field, J., Windischberger, C. Manual control vs. automation monitoring inflight decision making in airline pilots.
 41. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Sladky, R., Hahn, A., Stürkat, I.-L., Hoffmann, A., Kranz, G., Tik, M., Seiger, R., Pfabigan, D., **Lamm, C.**, Lanzenberger, R., Windischberger, C. Modeling effective connectivity in the extended emotion processing network using DCM at 7T.
 42. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Navarro de Lara, L., Tik, M., Woletz, M., Bukowski, H., Stuerkat, I.-L., **Lamm, C.**, Moser, E., Windischberger, C. Boosting the sensitivity of concurrent TMS/fMRI in motor cortex using a dedicated MR coil array.
 43. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Tik, M., Sladky, R., Hoffmann, A., Tomova, L., Hummer, A., Navarro De Lara, L., Pripfl, J., **Lamm, C.**, Windischberger, C. 10Hz rTMS over the left DLPFC specifically modulates ACC connectivity within IC network 17.
 44. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Pfabigan, D., Holzner, M.-T., **Lamm, C.** ERN component is more negative for in-group than out-group errors after a minimal group manipulation.
 45. *21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, Hawaii, USA, June 14-18, 2015*: Seidel, E.-M., Ruetgen, M., Hummer, A., Windischberger, C., Silani, G., **Lamm, C.** Functional similarity – Pain and empathy for pain are modulated by placebo analgesia.
 46. *27th Annual Association of Psychological Science Convention, New York City, NY, USA, May 2015*: Donnelly, J., Pilcher, J. J., Munc, A. H., Jellen, J. C., & **Lamm, C.** An IRT Investigation of the Epworth Sleepiness Scale.

47. *Annual Young Scientists Poster Presentation, Faculty of Psychology, University of Vienna, Vienna, Austria, June 24, 2014*: König, D., Hold, B.-S., Pfabigan, A. M., **Lamm, C.** Pain or no pain, that's the emotional question. Emotion regulation during pain anticipation and painful stimulation in migraineurs and controls (Winner of the Best Poster Prize).
48. *Annual Young Scientists Poster Presentation, Faculty of Psychology, University of Vienna, Vienna, Austria, June 24, 2014*: Rauchbauer, B., Majdandžic, J., Hummer, A., Windischberger, C., **Lamm, C.** Effects of social group membership and affiliative signals on automatic inhibition.
49. *Annual Young Scientists Poster Presentation, Faculty of Psychology, University of Vienna, Vienna, Austria, June 24, 2014*: Seidel, E.-M., Rütgen, M., Hummer, A., Windischberger, C., Silani, G., **Lamm, C.** The specificity of placebo effects in somatosensation – An fMRI study.
50. *Annual Young Scientists Poster Presentation, Faculty of Psychology, University of Vienna, Vienna, Austria, June 24, 2014*: Pfabigan, D. M., Seidel, E. –M., Paul, K., Grahl, A., Sailer, U., Lanzenberger, R., Windischberger, C., **Lamm, C.** Zero or nothing? Context-sensitivity of the FRN for zero-value feedback outcomes
51. *Annual Young Scientists Poster Presentation, Faculty of Psychology, University of Vienna, Vienna, Austria, June 24, 2014*: Rütgen (Abrahamczik), M., Seidel, E.-M., Riečanský, I., **Lamm, C.** Shared representations of pain and empathy for pain- Evidence from event-related potentials.
52. *Annual Young Scientists Poster Presentation, Faculty of Psychology, University of Vienna, Vienna, Austria, June 24, 2014*: Tomova, L., von Dawans, B., Heinrichs, M., Silani, G., **Lamm, C.** Is stress making us more egocentric? Evidence for gender differences in stress-induced egocentricity on different processing levels.
53. *20th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Hamburg, Germany, June 8-12, 2014*: Rauchbauer, B., Majdandžic, J., Hummer, A., Windischberger, C., **Lamm, C.** Effects of social group membership and affiliative signals on automatic inhibition.
54. *20th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Hamburg, Germany, June 8-12, 2014*: Rütgen (Abrahamczik), M., Seidel, E.-M., Riečanský, I., **Lamm, C.** Shared representations of pain and empathy for pain- Evidence from event-related potentials.
55. *20th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Hamburg, Germany, June 8-12, 2014*: Brázdil, M., Riečanský, I., Roman, R., Chládek, J., Mareček, R., Shaw, D. J., **Lamm, C.** The contribution of intracranial EEG to research on the empathy for pain.
56. *20th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Hamburg, Germany, June 8-12, 2014*: Pripfl, J., Tomova, L., Sladky, R., Windischberger, C., Lanzenberger, R., **Lamm, C.** Modulation of nicotine craving by transcranial magnetic stimulation: behavioral and neuronal effects.
57. *20th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Hamburg, Germany, June 8-12, 2014*: Pfabigan, D. M., Seidel, E. –M., Paul, K., Grahl, A., Sailer, U., Lanzenberger, R., Windischberger, C., **Lamm, C.** Zero or nothing? Context-sensitivity of the FRN for zero-value feedback outcomes
58. *20th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Hamburg, Germany, June 8-12, 2014*: Seidel, E.-M., Abrahamczik, M., Hummer, A., Windischberger, C., Silani, G., **Lamm, C.** The specificity of placebo effects in somatosensation – An fMRI study.

59. *11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie")*, Vienna, Austria, April, 24 – 26, 2014: Pripfl., J., **Lamm, C.** Lateralization of prefrontal cortex function in risky decision making
60. *11th Conference of the Austrian Society for Psychology ("Österreichische Gesellschaft für Psychologie")*, Vienna, Austria, April, 24 – 26, 2014: Rauchbauer, B., Majdandzic, J., Stieger, S., **Lamm, C.** The effects of emotional in- and outgroup context on imitation.
61. *Clemson University 9th Annual Focus on Creative Inquiry Symposium*, Clemson, SC, USA, April 3, 2014: Walker, J. H., Rummel, E. G., Williams, J. R., Morris, D. M., Jellen, J. C., **Lamm, C.**, & Pilcher, J. J. Americans vs. Europeans: Who Has Better Sleep Quality?
62. *Clemson University 9th Annual Focus on Creative Inquiry Symposium*, Clemson, SC, USA, April 3, 2014: Feigl, H. B., Howard, E. E., Henderson, E. A., Ferguson, E. M., Morris, D. M., Jellen, J. C., **Lamm, C.**, & Pilcher, J. J. Sleep Habits around the World.
63. *57th Congress of European College of Neuropsychopharmacology (ECNP)*, Berlin, Germany, October 18-21, 2014: Kraus, C., Hahn, A., Pfabigan, D.M., Küblböck, M., Seidel, E.M., Sladky, R., Kasper, S., Windischberger, C., **Lamm, C.**, Lanzenberger, R.: Gray matter changes associated with factors of alexithymia in healthy young adults.
64. *Annual Meeting of the Society for Neuroeconomics*, Lausanne, Switzerland, September 27-29, 2013: Tomova, L., von Dawans, B., Heinrichs, M., Silani, G., **Lamm, C.** Is stress making us more egocentric? Evidence for gender differences in stress-induced egocentricity on different processing levels.
65. *Annual Meeting of the Society for Neuroeconomics*, Lausanne, Switzerland, September 27-29, 2013: Pripfl, J., & **Lamm, C.** Controlling emotions in risky decision making: Involvement of the right but not the left dorsolateral prefrontal cortex.
66. *53rd Annual Meeting of the Society for Psychophysiological Research (SPR)*, Florence, Italy, October 2-6, 2013: Pfabigan, D.M., Pripfl, J., Kroll, S.L., Sailer, U., & **Lamm, C.** The opioid peptide dynorphin modulates error-related brain responses.
67. *53rd Annual Meeting of the Society for Psychophysiological Research (SPR)*, Florence, Italy, October 2-6, 2013: Pripfl, J., Tomova, L., Riečanský, I., & **Lamm, C.** Using TMS to treat smoking addiction: Behavioral and neural effects.
68. *53rd Annual Meeting of the Society for Psychophysiological Research (SPR)*, Florence, Italy, October 2-6, 2013: Tomova, L., Riečanský, I., Stanislav, K., Bauer, H., Fischmeister, F., & **Lamm, C.** No contribution of short-term memory retention to mental rotation-related ERP negativity.
69. *55th Conference of Experimental Psychologists ("TeaP – Tagung experimentell arbeitender Psychologen")*, Vienna, Austria, March 24-27, 2013: Pintzinger, N.M., Pfabigan, D.M., Gadek, N., Kryspin-Exner, I., & **Lamm, C.** Psychopathic personality traits and emotional processing – evidence for biased early attentional processes.
70. *Proceedings of the 16th World Congress of Psychophysiology of the International Organization of Psychophysiology (IOP)*, Pisa, Italy, September 13-17, 2012: Riečanský, I., Tomova, L., Bauer, H., Fischmeister, F., & **Lamm, C.** Contribution of short-term memory retention to rotation-related ERP negativity.
71. *Proceedings of the 16th World Congress of Psychophysiology of the International Organization of Psychophysiology (IOP)*, Pisa, Italy, September 13-17, 2012:

- Haller, B., Riečanský, I., & **Lamm, C.** The effect of low-frequency repetitive transcranial magnetic stimulation on visual pattern perception.
72. *18th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Beijing, China, June 10-14, 2012*: Pripfl, J., Votinov, M., Markey, P., Link, E. M., Windischberger, C., Moser, E., Sailer, U., & **Lamm, C.** The neural underpinnings of gambling near misses.
73. *18th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Beijing, China, June 10-14, 2012*: Votinov, M., Pripfl, J., Link, E.M., Markey, P., Windischberger, C., Moser, E., Sailer, U., & **Lamm, C.** An fMRI study of self-other comparison during competition.
74. *18th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Beijing, China, June 10-14, 2012*: Majdandžić, J., Votinov, M., Decety, J., & **Lamm, C.** Sad about you: Mood effects on empathy.
75. *18th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Beijing, China, June 10-14, 2012*: Pfabigan, D.M., Pintzinger, N.M., Siedek, D.R., **Lamm, C.**, Derntl, B., & Sailer, U. ERP correlates of performance monitoring in learned helplessness.
76. *10th Scientific Meeting of the Austrian Psychology Association, Graz, Austria, April 12-14, 2012*: Lawatsch, I., **Lamm, C.**, & Koller, I. Faktorenstruktur der deutschen Version des Batson-Index zur Erfassung emotionaler empathischer Reaktion.
77. *Alpine Brain Imaging Meeting, Champéry, Switzerland, January 08-12, 2012*: Klimecki, O., Leiberg, S., **Lamm, C.**, & Singer, T. Neural and Behavioral Changes related to Compassion Training.
78. *17th Annual Meeting of the Organization of Human Brain Mapping, Quebec City, Canada, June 26-30, 2011*: Majdandžić, J., Windischberger, C., Langer, C., Moser, E., Bauer, H. & **Lamm, C.** Humanized perception of potential victims in moral dilemmas recruits empathy-related brain areas.
79. *The Social Brain Workshop, Cambridge, UK, April 12-13, 2011*: Klimecki, O., Leiberg, S., **Lamm, C.**, & Singer, T. Neural and behavioral changes related to compassion training.
80. *16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 6-10, 2010*: **Lamm, C.**, Decety, J., & Singer, T. Neural circuits involved in the direct experience of pain and empathy for pain: a meta-analysis.
81. *16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June 6-10, 2010*: Silani, G.*, **Lamm, C.***, Snozzi, R., Ruff, C., & Singer, T. Right TPJ plays a causal role in distinguishing between the emotions of self and others.
82. *2010 Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada, April 17-20, 2010*: Perry, A., Bentin, S., Ben-Ami Bartal, I., **Lamm, C.**, & Decety, J. Feeling the pain of those who are different from us: An EEG/ERP study.
83. *2008 Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA, April 12-15, 2008*: **Lamm, C.**, & Decety, J. How do we empathize with someone who is not like us? An fMRI study on perspective-taking and empathy for pain.
84. *13th Annual Meeting of the Organization for Human Brain Mapping, Chicago, IL, USA, June 10-14, 2007*: **Lamm, C.**, & Decety, J. The perception-action account of empathy – revisited: the contribution of shared experience to neural processing during the perception of pain in others.

85. [cont.] **Lamm, C.**, Nusbaum, H.C., & Decety, J. What are you feeling? The effects of context information on somatosensory and affective representations during empathy for pain.
86. [cont.] Decety, J., & **Lamm, C.** The role of the right temporo-parietal junction in social interaction: how low-level computational processes contribute to social cognition.
87. *2006 Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA, April 8-11, 2006:* **Lamm, C.**, Batson, C.D., & Decety, J. The neural bases of human empathy – the impact of self-other differentiation and emotion reappraisal.
88. *8th Meeting of the Austrian Neuroscience Association, Vienna, Austria, July 3-5, 2003:* Pripfl, J., Fischmeister, F.Ph.S, **Lamm, C.**, Leodolter, U., & Bauer, H. Functional Neuroanatomy of Learned Helplessness.
89. *8th Annual Meeting of the Organization of Human Brain Mapping, Sendai, Japan, June 2-6, 2002:* Windischberger, C., **Lamm, C.**, Bauer, H., & Moser, E. Assessing the Temporal Characteristics of Brain Activation in Event-Related fMRI.
90. *8th Annual Meeting of the Organization of Human Brain Mapping, Sendai, Japan, June 2-6, 2002:* **Lamm, C.**, Windischberger, C., Leodolter, U., Moser, E. & Bauer, H. Functional relevance of lateral premotor areas in mental rotation of 2D visuo-spatial objects.
91. *7th Annual Meeting of the Organization of Human Brain Mapping, Brighton, UK, June 10-15, 2001:* **Lamm, C.**, Bauer, H., & Prainsack, C. Topography of slow cortical potentials during loss of control.
92. [cont.] **Lamm, C.**, Bauer, H., & Schindler, E. Slow Cortical Potentials indicate the use of verbalization and reasoning strategies in a test aiming to assess visuo-spatial ability.
93. [cont.] Waldmüller, J., Bauer, H., & **Lamm, C.**, Leodolter, U. The cortical processing of emotional visual stimuli-a DC -EEG analysis with non-cephalic references.
94. [cont.] Windischberger, W., **Lamm, C.**, Bauer, H., & Moser, E. Human motor cortex activity in mental rotation-fMRI analysed by Fuzzy Cluster analysis.
95. *6th Annual Meeting of the Organization of Human Brain Mapping, San Antonio, TX, USA, June 10-16, 2000:* Bauer, H., **Lamm, C.**, Holzreiter, S., Holländer, I., Leodolter, U., & Leodolter, M. Measurement of 3D electrode coordinates by means of a 3D photogrammetric head digitizer.
96. [cont.] **Lamm, C.**, Bauer, H., Leodolter, U., Holländer, I., & Holzreiter, S. Accuracy of analytical and spherical interpolation algorithms for event related potential mapping.
97. [cont.] **Lamm, C.**, Windischberger, C., Moser, E., Leodolter, U., & Bauer, H. The role of motor and premotor areas in mental rotation: combined evidence from slow cortical potential and fMRI coregistration.
98. [cont.] Windischberger, W., **Lamm, C.**, Bauer, H., & Moser, E. Whole-Cortex fMRI with Single-Trial Analysis of a Mental Rotation Paradigm at 3 Tesla.
99. *8th Scientific Meeting and Exhibition, International Society for Magnetic Resonance Imaging, Denver, CO, USA, April 1-7, 2000:* **Lamm, C.**, Windischberger, C., Leodolter, U., Moser, E. & Bauer, H. High accuracy of matching spline-interpolated EEG- with MRI-derived head surfaces.
100. [cont.] Windischberger, C., **Lamm, C.**, Bauer, H., & Moser, E. Single-trial analysis and whole-brain coverage in functional MRI of a mental rotation paradigm.

101. *ASA-American Society of Anesthesiologists, 1999, Annual Meeting, Dallas, TX, USA, October 9 -13, 1999: Lamm, C.,* Oczenski, W., Stimpfl, T., Bauer, H., & Fitzgerald, R.D. DC auditory DC auditory evoked potentials during rest, anesthesia, and emergence from anesthesia.
102. *4th Meeting of the subsection 'Methods in Psychology' of the German Society of Psychology, Leipzig, Germany, September 23-25, 1999: Lamm, C.,* & Vitouch, O. Bootstrap-Verfahren: Anwendungen in der Analyse von Multikanal EEG-Daten [Bootstrap method – applications in the analysis of multi-channel EEG data]
103. *16th Annual Meeting of the European Society for Magnetic Resonance in Medicine and Biology, Seville, Spain, September 16-19, 1999: Lamm, C.,* Windischberger, C., Leodolter, U., Doleisch, H., Moser, E. & Bauer, H. (1999). Coregistration of MR and EEG coordinate systems: Accuracy of matching spline-interpolated with MRI-derived head surfaces.
104. [*cont.*] Windischberger, C., **Lamm, C.,** Bauer, H., & Moser, E. Mental rotation using 3D-cubes studied by functional MRI.
105. *7th International Conference on Cognitive Neuroscience, Budapest, Hungary, June 27 - July 3, 1999: Lamm, C.,* Windischberger, C., Moser, E., & Bauer, H. Coregistration of slow potential topography and fMRI in a spatial task.
106. [*cont.*] Bauer, H., Holländer, I., Leodolter, M., Leodolter, U. & **Lamm, C.** Accuracy of different interpolation algorithms for slow brain potential mapping.
107. *9th World Congress of Psychophysiology (IOP), Taormina, Italy, September 14 - 19, 1998: Lamm, C.,* Bauer, H., Vitouch, O., Gstättnner, R., Durec, S., & Gronister, R. Slow potential topographic activities with spatial cognition under speed and power conditions.
108. [*cont.*] **Lamm, C.,** Bauer, H., Leithner, D., Kastner-Koller, U., & Leodolter, M. Slow potential topographic activities accompanying reading aloud in adult dyslexic and control subjects.
109. [*cont.*] Bauer, H., **Lamm, C.,** Adelbauer, G., Leodolter, M., Leodolter, U., & Guttmann, G. Slow potential topographic activities with stereoscopic versus monoscopic stimulus presentation.
110. [*cont.*] Fitzgerald, R.D., **Lamm, C.,** Leodolter, M., Bauer, H., & Guttmann, G. Sensory evoked DC-potential changes accompanying anesthesia.
111. [*cont.*] Holzreiter, St., Holländer, I., Bauer, H., Leodolter, M., & **Lamm, C.** Inter-subject variability of 3D electrode coordinates assessed by means of a photogrammetric 3D head digitizer.
112. [*cont.*] Vitouch, O., **Lamm, C.,** Bauer, H. & Vanecek, E. Functional mapping in time and space: A SPT investigation of piano playing.
113. *41st Congress of the German Society of Psychology, Dresden, Germany, September 27 - October 1, 1998: Vitouch, O.,* Bauer, H., **Lamm, C.,** Vanecek, E., & Leodolter, M. Melodische und motorische Abläufe bei Pianisten. Analyse kognitiver Subprozesse mit non-invasivem Brain Imaging. [Melodic and motor components in pianists – analysis of cognitive sub-processes using non-invasive brain imaging]
114. *8th World Congress of the International Society for Brain Electromagnetic Topography, Zurich, Switzerland, March 4 - 7, 1997: Lamm, C.,* Bauer, H., Vitouch, O., Leodolter, M., & Leodolter, U. Changes of slow potential topography following training of spatial cognition.
115. *3rd Meeting of the Austrian Psychology Association, Salzburg, Austria, December 5-6, 1997: Lamm, C.,* Klauda, E., Bauer, H., Vitouch, O., & Leodolter, M. Kortikale Korrelate unterschiedlicher Lösungsstrategien bei visuell und

akustisch dargebotenen Vorstellungsaufgaben. [Cortical correlates of differing processing strategies during solving of visually and acoustically presented imagery tasks]

116. *5th Annual Meeting of the Austrian Neuroscience Association, Pernegg/Geras, Austria, April 24-26, 1997: Lamm, C., Bauer, H., Vitouch, O., Leodolter, M., & Leodolter, U. Changes of slow potential topography following training of spatial cognition.*

Third mission and dissemination activities

Continuous engagement (talks, workshops, seminars) with the general public and in tailored knowledge transfer to target groups such as psychotherapists, social workers, clinical psychologists, and policy makers

1. *Blog post – „Emotion – ein extrem vielschichtiges Erlebnis“: Ein Blick in die Psychobiologie, Universität Wien, Institut für klassische Archäologie, November 2024*
2. *Wiener Vorlesungen, Vortrag: Verstehen wir uns? Die Rolle der Empathie für Mensch, Tier und Maschine, (<https://youtu.be/bGQju0UfE6Y>) June 24, 2024*
3. *Strategiedialog der Stadt Wien [Strategy dialogue of the City of Vienna; event with top level executives from the City of Vienna], Vortrag: Raus aus der Negativspirale - Perspektiven aus der Gehirnforschung [translation of insights from brain research to foster resilience in the working context in times of multiple major crises], October 17, 2022*
4. *Vienna Children’s University - workshop for children aged 7-9 years, aimed at teaching them more about the brain, empathy and perspective-taking, July 18, 2022*
5. *Co-author of an article – Lamm, C., & Hartmann, H., (2022). "Was bewirkt Empathie im Gehirn?" Gehirn & Geist, July 05, 2022.*
6. *Co-author of an expert opinion paper about the psychological effects of Covid-19 – "An International Investigation of the Psychology of COVID-19"*
7. *Science communication article – Lamm, C., Rütgen, M., Hartmann H., (2021). „Dein Leid ist mein Leid? Wie wir die Emotionen anderer Personen nachempfinden“. Das In-Mind Magazin, 4.*
8. *Blog post – "In amygdala we trust", Behavioral and Social Sciences, November 25, 2021*
9. *Vienna Children’s University - workshop for children aged 7-9 years, aimed at teaching them more about the brain, empathy and perspective-taking, July 12, 2021*
10. *Poesis – Get Transformation Done, lecture and panel discussion on Understanding the Other – Neuronal and Cognitive Explanations, June 11, 2021*
11. *uniMind - University Meets Industry, lecture on cooperation in humans, May 3, 2021*
12. *Vienna Children’s University – workshop for children aged 7-9 years, aimed at teaching them more about the brain empathy and perspective-taking, August 30, 2020*
13. *Co-author of an expert opinion paper on how to build and maintain trust as well as compliance in Covid-19 counter-measures such as monitoring, mass testing, and vaccination.*

14. *Since 03/2020: Member of the "Covid-19 Future Operations Plattform" (<https://futureoperations.at/>), an independent consultancy expert board providing consulting and expert knowledge to the Austrian public authorities*
15. *Presentation and discussion, "Effects of Covid-19 lockdown on stress and fatigue: resilience and vulnerability factors", Covid-19 Future Operations Clearing Board of the Federal Chancellery of the Austrian Government, Vienna, Austria, July 23, 2020*
16. *Discussion of "Effects of the Covid-19 crisis on people and society" (from the perspectives of jurisdiction, psychology and behavioral sciences) with members of the parliament, including press conference reporting on the findings in forum "Science and Politics in Dialogue" (jointly organised by the President of the Austrian Parliament and the President of the Austrian Academy of Sciences), Palais Epstein, Vienna, Austria, June 16, 2020. **Lamm, C.** Participation as table chair and scientific representative (together with Prof. Magdalena Pöschl).*
17. *Filmpräsentation "Ist Veganismus eine Zivilisationskrankheit?" ["Is Veganism a civilization disease?"], Filmhaus am Spittelberg, Vienna, Austria, March 27, 2019. **Lamm, C.** Mit abschließender Podiumsdiskussion „Wenn man von etwas überzeugt ist, will man andere auch davon überzeugen“ [with a final podium discussion „When someone is convinced of something, he wants to convince others as well.“]*
18. *Charity event "Abend der Menschlichkeit – Menschen für Menschen" ["Evening of Humanity – from humans for humans"] about help for self-help in Ethiopia, Museum of Natural History, Vienna, Austria, November 5, 2018. **Lamm, C.** Podium member and Interview partner on empathy and humanity.*
19. *Fireside discussion on pathological gambling, at the Austrian Academy of Sciences in cooperation with Aquinas Association - consulting for responsible and ethical finance, Vienna, Austria, October 17, 2018: Glatz-Kremsner, B. & **Lamm, C.** Verloren in digitalen Welten – Spielsucht als gesellschaftliche Herausforderung. [Lost in virtual worlds – pathological gambling as a societal challenge.]*
20. *Symposium "5. Biologicum Almtal 2018: Dazugehören – Fremd sein", Grünaau im Almtal, Austria, October 4-6, 2018. **Lamm, C.** Gehirnmechanismen von Empathie und Ausgrenzung. [Neural mechanisms of empathy and exclusion.]*
21. *1st Neuroscience Meetup, Firestarter. The Space, Vienna, Austria, June 26, 2018: **Lamm, C.** Talk and discussion on "Empathy".*
22. *Panel discussion, University of Vienna, Austria, January 16, 2017: Wahlster, W., Pfadenhauer, M., **Lamm, C.**, Mara, M., & Albertini, D. [Künstliche Intelligenz im Alltag: Besser als der Mensch?](#) [Artificial intelligence in everyday life: better than humans?]*
23. *Collaboration with Zoom children's museum, Vienna, Austria, September 2016: **Lamm, C.** consulting for hands on exhibition "Hear hear! Look look!" on visual and auditory perception.*
24. *Panel discussion, Palais Palffy, Vienna, Austria, June 16, 2016: Millner, R., **Lamm, C.**, Mannino, A. Effektiver Altruismus – Mit Wissenschaft und Spenden die Welt verbessern? [Effective altruism – improving the world with science and donations?]*
25. *IFF Organisationsentwicklung und Systemsteuerung, November 26, 2015: **Lamm, C.** Die Rolle der Empathie für psychologische Beratung und Coaching - ein neurowissenschaftlicher Blickwinkel.*
26. *Wiener Volkshochschule „Science Talks“, Vienna Mai 18 2015: **Lamm, C.** Talk and discussion on "Neural bases of empathy and prosocial behavior".*

27. *Katholischer AkademikerInnenverband der Erzdiözese Wien, Vienna Mai 4 2015: Lamm, C.* Talk and discussion on „Empathy and its link to morality and altruism“.
28. *Berufsverband Österreichischer Psychologen (Austrian Psychological Professionalists Association), Sektion Klinische Psychologie, March 16 2015: Lamm, C.* Talk and discussion on „Neural bases of empathy and prosociality“
29. *Austrian magazine for foster parents "Pflegetamas & papas", April 2014: Lamm, C.* Ich fühle mit dir, fühlst du mit mir? [I feel with you, do you feel with me?]
30. *Panel discussion, VHS Wiener Urania, Vienna, Austria, May 25, 2013: Becker, P., Griesebner, A., Lamm, C., & Kreissl, R.* Hirnforschung und Ideologie. [Brain research and ideology]
31. *Psychology Careers Unveiled. From the Lab to the Real World, Webster University Vienna, Vienna, Austria, April 26, 2013: Lamm, C.* Exploring the mysteries of the mind using brain research.
32. *Spendentag 2013, Fundraising Verband Austria & NPO-Kompetenzzentrum, Vienna, Austria, April 16, 2013: Lamm, C.* Warum Menschen teilen. [Why do people share?]
33. *Public lecture for the project "Civic Minds", Vienna, Austria, October 4, 2012: Lamm, C.* Von Empathie zu Altruismus: Ein interdisziplinärer Erkenntniszugang. [Empathy and altruism: An interdisciplinary approach]
34. *Symposion "Kindheit und Gesellschaft V" (Childhood and Society), Lustenau & Bregenz October 20-22, 2011: Lamm, C.* Lecture on "The role of empathy for prosocial behavior, cooperation, and competition – a neuroscientific perspective", and two-day workshop (together with Barbara Guwak and Jean-Luc Ciompi) on "Organizational development and neurosciences".
35. *Business talks, European Forum Alpbach, Alpbach, 2011: Lamm, C.* Participation as an expert for social interaction and decision making, in an online experiment on "public vs. private goods".
36. *Lunchtime Scientific Series, Technical University (TU), Vienna, Austria, 2011: Lamm, C.* The relevance of social neuroscience for human computer interaction.
37. *Symposium Bewusstsein, Steyr, Austria, 2011: Lamm, C.* Methoden der Human-Neurowissenschaften. [Methods of human neurosciences]
38. *Symposium Bewusstsein, Steyr, Austria, 2011: Lamm, C.* Neuronale Grundlagen menschlichen Sozialverhaltens. [Neuronal basics of human social behavior]
39. *Workshop Imaging in Life Sciences – A Vienna Perspective, University of Vienna, Austria, 2011: Lamm, C.* Multimodal Neuroimaging in Social and Clinical Neurosciences.
40. *Symposium on Altruism, Austrian Society for Ethics, Vienna, Austria, September 9, 2010: Lamm, C.* Zur Förderung von Altruismus und Mitgefühl – neurowissenschaftliche Erkenntnisse [Promoting altruism and compassion - a neural perspective]
41. *Brush up your tools, Meeting of the Austrian Association for Supervision, Salzburg, Austria, Mai 15, 2009: Lamm, C.* Ich fühle was, was du (nicht) fühlst – Empathie und Mitgefühl aus der Sicht der Neurowissenschaften. [I feel what you (do not) feel – empathy and compassion from a neuroscientific perspective]
42. *Neuroscience Week, Basel, Switzerland, March 16, 2009: Lamm, C.* Vom Verstehen des anderen: Beiträge der Gehirnforschung zu Empathie und menschlichem Sozialverhalten. [Understanding others – neuroscience contributions to empathy and human social behavior]

43. *Volkshochschule Vienna, Vienna, Austria, May 14, 2003, February 12, October 6 & 27, 2004: Lamm, C.* Drogen, Sucht und Gehirn [Drugs, addiction and the brain]

Media coverage

(selection)

Regular coverage of work in national and international media, particular "highlights" marked with ***

TV-Interview on the power of social media, featured in Servus TV "Terra Mater" (Austrian private broadcaster), November 27, 2024

<https://www.servustv.com/wissen/v/aac7ejzj4wxb1cznm8nj/>

Selected media coverage on the paper Kutlikova, H. H., Zhang, L., Eisenegger, C., van Honk, J., & **Lamm, C.** (2023). Testosterone eliminates strategic prosocial behavior through impacting choice consistency in healthy males.

Neuropsychopharmacology, 48(10), 1541-1550.

<https://doi.org/10.1038/s41386-023-01570-y>

<https://www.iflscience.com/rubbing-testosterone-gel-on-men-made-them-less-aware-of-being-watched-72715>

TV-Interview about the effect of human-dog interactions on the human brain, featured on ORF1 ZIB magazin (Austrian television), May 2024

<https://orf.at/av/video/tvthekeVideoNews11036>

Selected media coverage on the paper 1. Lonardo, L., Völter, C. J., Hepach, R., **Lamm, C.**, & Huber, L. (2024). Do dogs preferentially encode the identity of the target object or the location of others' actions? *Animal Cognition*, 27(1), 28–28.

<https://doi.org/10.1007/s10071-024-01870-w>

<https://www.psypost.org/how-do-dogs-anticipate-actions-scientists-find-notable-differences-from-primates/>

Selected media coverage on the paper Vlasceanu*, M., Doell*, K. C., Bak Coleman*, J. B., Todorova, B., Berkebile-Weinberg, M. M., Grayson, S. J., Patel, Y., Goldwert, D., Pei, Y., Chakroff, A., Pronizius, E., van den Broek, K. L., Vlasceanu, D., Constantino, S., Morais, M. J., Schumann, P., Rathje, S., Fang, K., Aglioti, S. M., ... **Lamm, C.**, Mikus, N., Nitschke, J. N., ... Van Bavel, J. J. (2024). Addressing climate change with behavioral science: A global intervention tournament in 63 countries. *Science Advances*, 10(6). <https://doi.org/10.1126/sciadv.adj5778>

[https://ca.news.yahoo.com/psychology-help-people-live-more-](https://ca.news.yahoo.com/psychology-help-people-live-more-124134202.html?guce_referrer=aHR0cHM6Ly93d3cuZ29vZ2x1LmNvbS8&guce_referrer_sig=AQAAAK6pxNnGc3Lbp5wim9o7IDGtLVpfWsOHICQVx04qi-)

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<https://www.how-green-works.de/kommunikation/news/studie-zu-klima->

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<https://www.derstandard.at/story/3000000206696/wie-klimabotschaften-ihr-ziel-am-effektivsten-erreichen>

Featured in newspaper article "Das Glück des Spendens" on self-interest in charitable donations in Kurier (Austrian newspaper), December 16, 2023

Selected media coverage on the paper Lengersdorff, L. L., Wagner, I. C., Mittmann, G., Sastre-Yagüe, D., Lüttig, A., Olsson, A., Petrovic, P., & **Lamm, C.** (2023).

Neuroimaging and behavioral evidence that violent video games exert no negative effect on human empathy for pain and emotional reactivity to violence. *ELife*, 12.

<https://doi.org/10.7554/eLife.84951>

https://de.in-mind.org/blog/post/grand-theft-empathy-der-einfluss-von-videospielgewalt-auf-die-menschliche-empathie?utm_source=rssfeed&utm_medium=rssfeed&utm_campaign=general

<https://www.psypost.org/2023/12/brain-imaging-study-challenges-long-held-beliefs-about-negative-effects-of-violent-video-games-214826>

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<https://www.derstandard.at/story/3000000203329/kurzes-spielen-von-shootern-hat-keine-nennenswerten-auswirkungen?ref=mastodon>

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<https://neurosciencenews.com/empathy-gaming-psychology-25471/>

<https://www.watson.ch/wissen/forschung/552039774-kurzzeitige-videospiel-gewalt-laesst-einen-laut-studie-nicht-abstumpfen>

<https://www.nau.ch/news/europa/videospiel-gewalt-studie-zeigt-kein-abstumpfendes-mitgefuehl-66687613>

<https://leadingbrainsreview.substack.com/p/research-hit-do-violent-video-games>

<https://www.derstandard.de/story/3000000203783/the-last-of-us-2-remastered-warum-gewalt-in-spielen-ein-thema-sein-darf?ref=rss>

<https://www.ardaudiothek.de/episode/wissen-aktuell-swr2-impuls/machen-gewalthaltige-videospiele-weniger-empathisch/swr2/13101983/>

Award Receiving Speech at the Turin Academy of Science for the International Ferrari Soave Award, November 20, 2023

[Inaugurazione del 241° anno accademico dell'Accademia delle Scienze di Torino 2023-2024 - YouTube](#)

Featured in TV report "Was der Blick ins Gehirn von Hunden verrät" in WDR (German public broadcaster), October 5, 2023

<https://www.ardmediathek.de/video/quarks/was-der-blick-ins-gehirn-von-hunden-verraet/wdr/Y3JpZDovL3dkci5kZS9CZWl0cmFnLTIxNDMzOWVhLTI4MmQtNGRmMS1iYTA0LTk0NzYyZTJmODJkMg>

Selected media coverage on the paper Boch, M., Wagner, I.C., Karl, S., Huber, L., & **Lamm, C.** (2023). Functionally analogous body- and animacy-responsive areas are present in the dog (*Canis familiaris*) and human occipito-temporal lobe.

Communications Biology, 6(645). <https://doi.org/10.1038/s42003-023-05014-7>

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Interview with Austrian radio station station Ö1 on anger and racism, April, 2023

Featured in article "Im Labor der klugen Hunde", in P.M. magazine, Februar, 2023

Interview with Austrian National Radio on series "Ö1 Radiokolleg - Über Denken!"

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Teaching Record

Overview of teaching activities

I consider teaching an essential and inspiring part of my life as an academic. As of my appointment as Full Professor at the University of Vienna (09/2010), I have been regularly teaching the following courses, on the following levels (Bachelor, Master, and Ph.D.):

Bachelor level:

Full and sole responsibility for lecture series (~15 lectures, and at least four written exams) in "Biological Psychology I+II" (*Vorlesung "Biologische Psychologie I+II"*), since winter term 2022 renamed into "Biological Psychology" and

"Cognitive-Affective Neurosciences" (*Vorlesung "Biologische Psychologie" und Vorlesung "Kognitiv-Affektive Neurowissenschaften"*) ~600 students

In this lecture series, I also use e-tutoring (consulting and exchange forum using an e-learning platform) and online and offline lecture streaming, which is well received by the students

One unit in lecture series "StEOP: Introduction to Scientific Thinking" (*Vorlesung "StEOP: Einführung in wissenschaftliches Denken"*, taught together with several other colleagues from the Faculty), ~600 students

Master's and Diploma degree level:

Seminar: 4 units in "Research Approaches in Cognitive Psychology and in Neurosciences" (taught together with three other colleagues from Cognitive Psychology and Methods), ~ 25 students

Seminar: 4 units in "Special Topics in Cognitive Psychology and in Neurosciences" (taught together with three other colleagues from Cognitive Psychology and Methods), ~ 25 students

Seminar: 4 units in "Methods and Techniques of Cognitive Psychology and Neurosciences - *Vertiefungsseminar*" (taught together with three other colleagues from Cognitive Psychology and Methods), ~ 25 students

Seminar: full and sole responsibility for in "Research seminar for master's students" (*Forschungsseminar für Fortgeschrittene*), ~40 students (continuous supervision of students writing master's thesis in Biological Psychology)

Lecture: one unit in "MEi:CogSci Cognitive Science Lecture Series"

Doctoral program level:

Seminar: "Research seminar for doctoral students" (*Dissertantenseminar*, taught together with two other colleagues from Cognitive Psychology). For this seminar we developed a new format of intense group exchange meetings, plus state of the art methods lectures (also with invited external researchers offering tutorials). The seminar also serves to connect the different research groups at the Department of Basic Psychological Research and Research Methods, and to foster scientific exchange between the students, post-docs, and PIs.

Moreover, I have been teaching an intense "Scientific Readings" Seminar twice (~25 students), which is not part of the curriculum anymore. In this seminar I had used a new format for the seminar paper, which was that students had to write a research proposal. While perceived as extremely challenging by some, the overall feedback I received was very positive, as this type of assignment enables students not only to act as "science consumers", but also to attain some insights into the processes of science "production".

I also taught a two-week seminar on "Social Neuroscience" in the OPEN Mind Program in Cognitive Science at the University of Bukarest, Romania, and was teaching at several summer schools in Belgium, Greece, and Italy.

Student supervision and mentoring:

Several of my previous post-docs and junior collaborators are now holding high-level positions within as well as outside academia (e.g. Professorship at University of Oslo, Head of Department University of Applied Sciences St. Pölten, junior research group Slovak Academy of Sciences). 10+ Ph.D. students so far graduated under my supervision or co-supervision, and a majority of them have received prestigious awards for their doctoral work. More than 50 Master's/Diploma students graduated under my supervision, and several of them have become highly successful Ph.D.

students in high-level international Ph.D. programs (such as University College London, University of Zurich, Hamburg University, CEU Budapest). I am currently supervising five Ph.D. students and 10 Master's students.