

Vienna

MEi Cog Sci

Middle European
interdisciplinary
master's programme in
Cognitive Science





Mobility Semester at University of Vienna

Winter Semester 2021/2022

New Trends in Cognitive Science

- New Trends in Cognitive Science Seminar (6 ECTS)
 - WS 2020: The predictive coding approach to mind/cognition
 - Ronald Sladky
- Journal Club (4 ECTS)
 - WS 2020: MEi:CogSci Journal Club - Causal inference in cognitive neuroscience (neuroimaging and stimulation)
 - Martin Tik

Information for incoming students [here](#)

Projects in Vienna

- Supervision at
 - University of Vienna
 - Austrian Institute of Technology (AIT)
 - Austrian Research Institute for Artificial Intelligence (OFAI)
 - Central European University (CEU) in Vienna
 - Danube University Krems
 - Johannes Kepler Universität Linz (JKU) in Vienna
 - Konrad Lorenz Institut (KLI)
 - Medical University of Vienna (MUW)
 - Technical University Vienna (TU)
 - University of Applied Sciences BFI Vienna (FH)
 - University of Veterinary Medicine Vienna (UVM)
 - Vienna University of Economics and Business (WU)

Department of Philosophy – University of Vienna

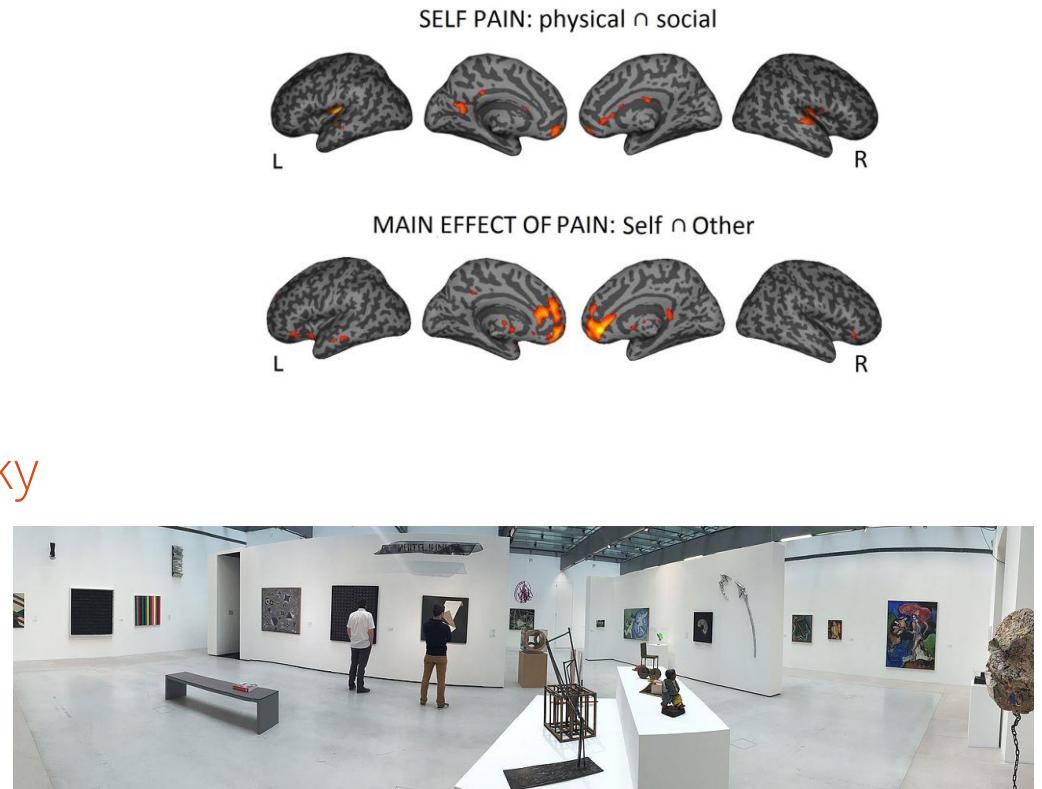
- Knowledge creation – [Markus Peschl](#)
 - Knowledge management
 - Innovation
 - Design thinking
- Phenomenology and cognitive science – [Oliver Luktisch](#)
- Philosophy of technology – [Mark Coeckelbergh](#)
- Cognitive linguistics, natural language processing – [Stela Manova](#)



Faculty of Psychology

- Cognitive aesthetics – Helmut Leder
- Social neuroscience – Claus Lamm, Giorgia Silani
 - Empathy
 - Neurobiology of social decision making
- Neurofeedback – Frank Scharnowski
- Predictive processing, Bayesian brain – Ronald Sladky
- (Visual) Attention – Ulrich Ansorge

SCAN-Unit ([web](#)) – EVA-Lab ([web](#))



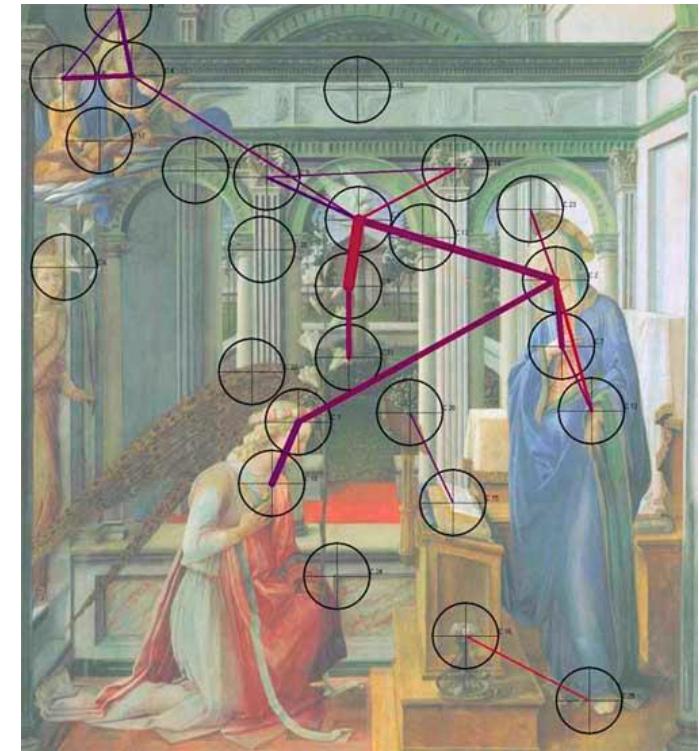
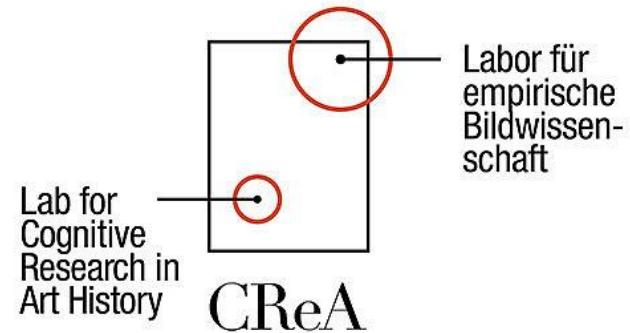
Department of Computer Science

- Neuroinformatics – Moritz Grosse-Wentrup
 - Brain-computer interfaces
 - Neural signatures of motor skill
- Visualization, data analysis – Torsten Möller



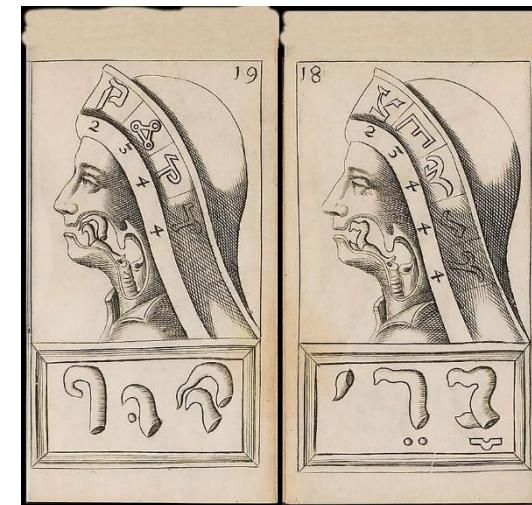
Department of Art History - Lab for Empirical Studies in Art History

- Perception and cognition of arts – Raphael Rosenberg
 - Eye-tracking studies art experience



Department of Linguistics – University of Vienna

- Generative linguistics – Martin Prinzhorn
- Neuro-, Patho-, Psychologinuistics – Chris Schaner-Wolles, Katharina Korecky-Kröll
- Theory and history of linguistics – Daniel Bühring
- Language acquisition – Susanne Reiterer
 - Second language acquisition
 - Lexical and morphological acquisition
 - Connectionist modelling of language acquisition



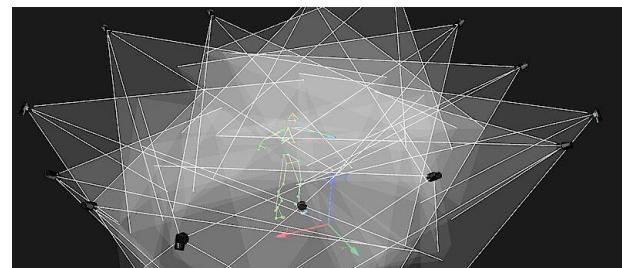
Department of English and American Studies, Department of German Studies

- Structural Analysis, research methods in linguistics, cultural aspects of language – Nikolaus Ritt
- Cognitive poetics – Thomas Eder
 - Language and Cognition (historical and linguistic perspective)
 - Metaphors
- Center for Translation Studies ([web](#))
 - Cognitive processes in the workplace – Hanna Risku



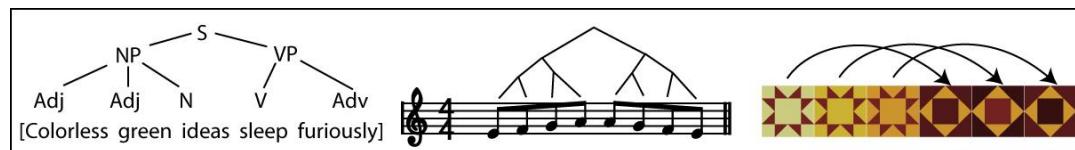
Media Lab Faculty of Philological and Cultural Studies

- Musicology – [Christoph Reuter](#)
 - Psychoacoustics
 - Movement in music
 - Neuroscience of music
- [web](#) (only in German for now)



Department of Cognitive Biology – University of Vienna

- Social cognition in non-human animals – Thomas Bugnyar
 - Theory of mind
 - Empathy
 - imitation and social learning
- Cognitive mechanisms of language, music and arts – Tecumseh Fitch
- Messerli Research Institute ([web](#)) – University of Veterinary Medicine
 - Ludwig Huber



Research Institutes: Cognitive / Behavioural Biology

- Konrad Lorenz Institute (KLI) ([web](#))
 - Theoretical biology
 - Evolutionary theory
 - Computational biology
 - Biocognition – Isabella Sarto-Jackson
- Konrad Lorenz Research Station (KLF Grünau) ([web](#))
 - Co-evolution
 - Bioacoustics
 - Anthropogenic effects
 - Citizen science



An Institute for the Advanced Study
of Natural Complex Systems



Artificial Intelligence

- Section for Artificial Intelligence and Decision Support (AID) – Medical University of Vienna ([web](#))
 - Models of personality and emotions, software agents – Paolo Petta
 - Knowledge-based systems – Robert Trappl
 - Neuroinformatics – Georg Dorffner
 - Intelligent data analysis in medicine – Ernst Buchberger
- Austrian Research Institute for Artificial Intelligence (OFAI) ([web](#))
 - Natural language processing – Brigitte Krenn, Friedrich Neubarth
- Johannes Kepler Universität Linz (JKU), formerly OFAI
 - Music processing and machine learning – Arthur Flexer

Neuroscience Research Institutes Medical University of Vienna

- Center for Brain Research ([web](#))
 - Neuropharmacology – Margot Ernst
 - Cognitive neurobiology – Thomas Klausberger
- Neuroimaging Labs (NIL) ([web](#))
 - Neuroscience for psychiatry and psychotherapy – Rupert Lanzenberger
 - Neuropsychopharmacology
 - Neurobiology of emotion and cognition
 - High Field MR Center ([web](#))
 - Windischberger Lab ([web](#))
 - Cross-disciplinary applications of fMRI – Christian Windischberger
 - fMRI-TMS applications
 - Neural connectivity

Cooperation: Danube University Krems

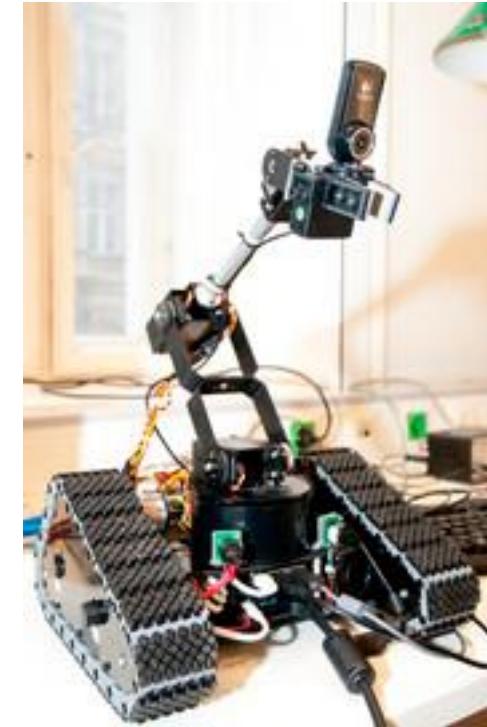
- Research Center KnowComm, Department for Knowledge and Communication Management ([web](#))
 - Information Design – **Florian Windhager**
 - Socio-cognitive networks – **Lukas Zenk**
 - Organisational improvisation
 - Sustainability design / management – **Gerald Steiner**



Cooperation: Technical University of Vienna

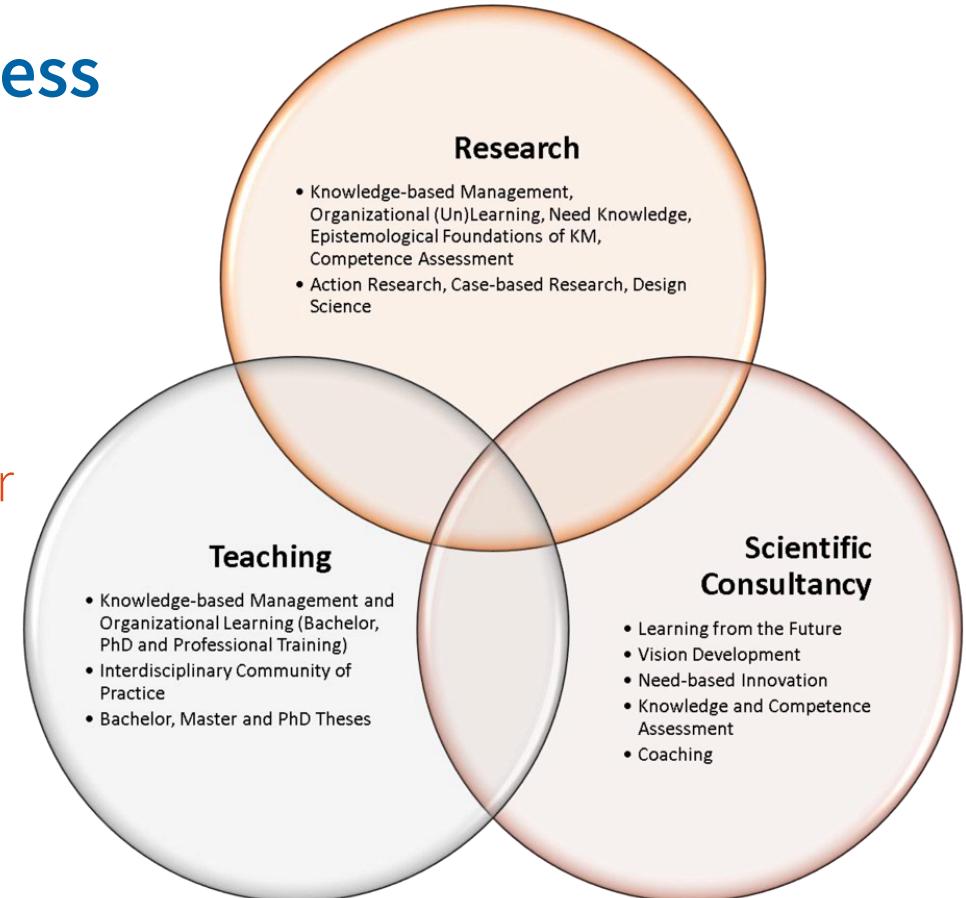
- Automation and Control Institute (ACIN) – [web](#)
 - Vision for Robotics – Michael Zillich

ACIN



Cooperation: Vienna University of Economics and Business

- Research Group Knowledge-Based Management ([web](#))
 - Knowledge Management and organizational learning
 - [Florian Kragulj](#)
 - Vision and Innovation
 - Knowledge-based systems analysis – [Alexander Kaiser](#)
- Institute of Information Systems & New Media ([web](#))
 - Human needs management – [Soheil Human](#)



Cooperation: Central European University in Vienna

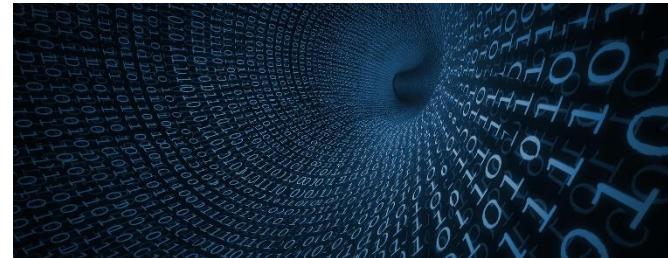
- SOMBY Lab – [web](#)
 - Joint Action and Attention – Gunther Knoblich, Natalie Sebanz



Cooperation: Complexity Science Hub Vienna

- Complexity Science – David Garcia
 - Collective decision making
 - Sentiment analysis

[web](#)



Cooperations

- Austrian Institute of Technology
 - Biosignal Processing ([web](#)) – **Tilmann Kluge**
 - Advanced algorithms for brain signal analysis
 - Automatic EEG analysis of epilepsy
- Austrian Academy of Science
 - Group on Psychoacoustics and Experimental Audiology ([web](#)) – **Bernhard Laback**
 - Human auditory perception
 - Perceptual deficits and auditory performance
 - Hearing with cochlear implants



Information for Students

- Information for incoming students [here](#)
 - ... for outgoing students [here](#)
- [List of projects](#)
- Erasmus+ in Vienna ([web](#))

