MEi:
Cog
Sci

Vienna

Middle European
interdisciplinary
master's programme in
Cognitive Science

Neues Institutsgebäude (NIG)

Mobility Semester at University of Vienna

Winter Semester 2024/2025

Courses 🎓

New Trends in Cognitive Science (obligatory for all incoming students)

- **New Trends in Cognitive Science Seminar** (6 ECTS)
  - WS 2023: The predictive coding approach to mind/cognition
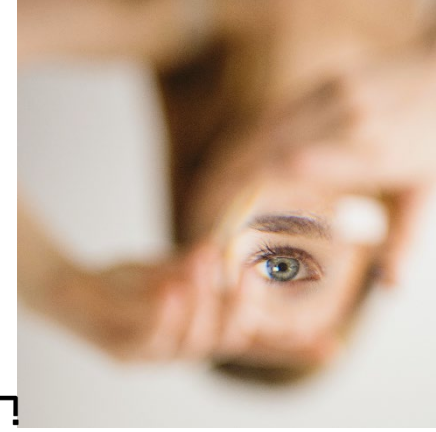   - Ronald Sladky, Katja Hellekes

- **Journal Club** (4 ECTS)
  - WS 2023: MEi:CogSci Journal Club - Causal inference in cognitive neuroscience (neuroimaging and stimulation)
    - Maria Vasileiadi

Information for incoming students here.
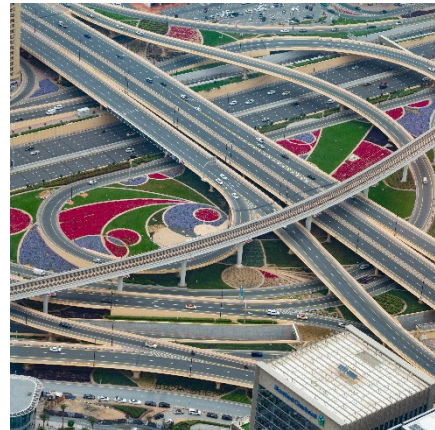
Other MEi:CogSci courses

Creativity and Happiness

Models of Personality and Emotions

MEi:
Cog
Sci

Systems thinking
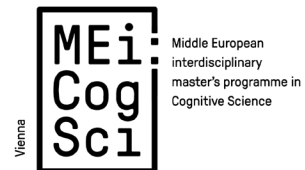and interdisciplinarity
for tackling wicked problems

fMRI

Find them at the Schedule of Courses for the Mobility Semester

An open door to an extensive catalogue of
courses in English
at the University of Vienna and the Medical University of Vienna

---

Link to the courses during the:
Winter Semester 2024, not yet updated ;-)
Winter Semester 2023, to get an idea

Projects

CogSci Research in Vienna

Supervision at:

- University of Vienna (UniWien)

- Austrian Institute of Technology (AIT)
- Austrian Research Institute for Artificial Intelligence (OFAI)
- Central European University (CEU) in Vienna
- Danube University Krems
- Johannes Keppler 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)
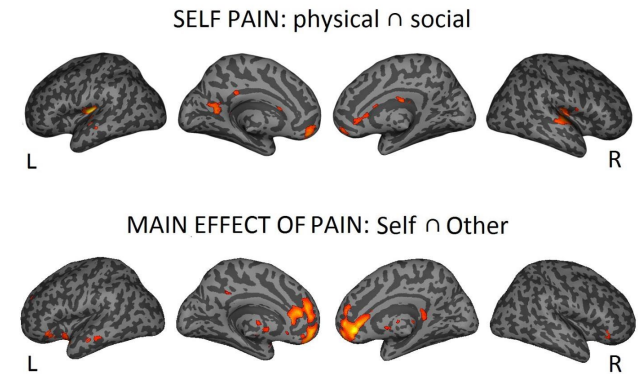- Vienna University of Economics and Business (WU)

Department of Philosophy – University of Vienna

- Knowledge creation – Markus Peschl & OCKO research group (link)
  - Knowledge management
  - Innovation
  - Design thinking

- Philosophy of technology – Mark Coeckelbergh

Faculty of Psychology

- Cognitive aesthetics, EVALab ([web](#)) – Helmut Leder, Matthew Pelowski

- Social neuroscience, SCAN-Unit ([web](#)) – Claus Lamm, Giorgia Silani
  - Empathy
  - Neurobiology of social decision making

- Neurofeedback – Frank Scharnowski

- Predictive processing, Bayesian brain – Ronald Sladky

- (Visual) Attention – Ulrich Ansorge

- Developmental psychology – Stefanie Höhl

SELF PAIN: physical ∩ social

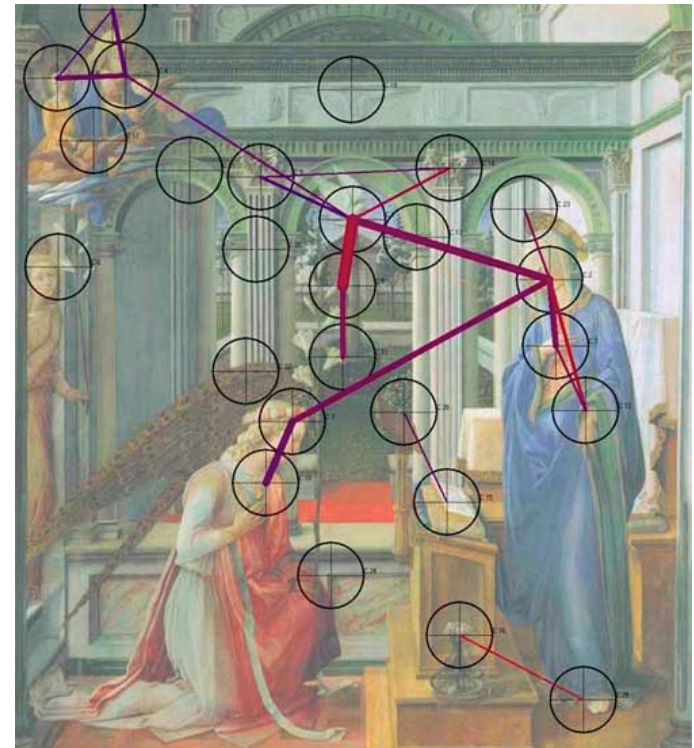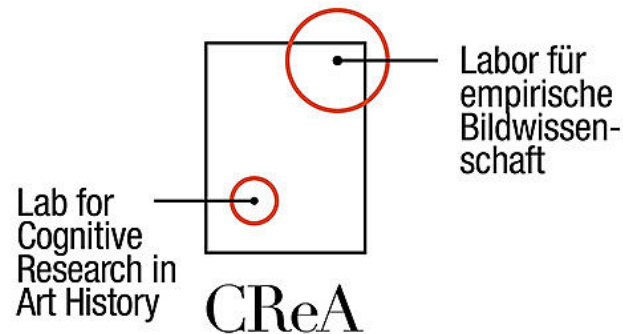MAIN EFFECT OF PAIN: Self ∩ Other

Department of Computer Science

- Neuroinformatics – Moritz Grosse-Wentrup
  - Brain-computer interfaces
  - Neural signatures of motor skill

- Visualiziation, data analysis – Torsten Möller, Laura Kösten

- Educational Technologies – Renate Motschnig

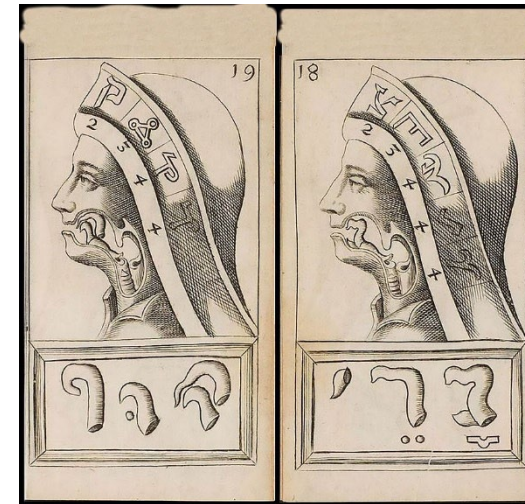**Visualization & Data Analysis** ▶

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

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

Labor für empirische Bildwissenschaft

Lab for Cognitive Research in Art History

CReA

Department of Linguistics – University of Vienna

- Neuro-, Patho-, Psychololinguistics – Jutta Müller

- 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

- Linguistic variation – Katherina Korecky-Kröll

- Center for Translation Studies (web)
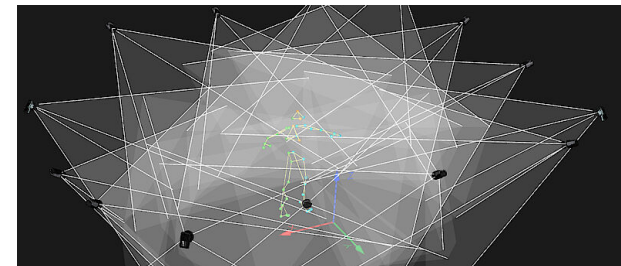 - Cognitive processes in the workplace – Hanna Risku

Department of Musicology

- Musicology – Christoph Reuter
  - Psychoacoustics
  - Movement in music
  - Neuroscience of music

Media Lab

- web (only in German for now)

Department of Cognitive Biology/ Department of Behavioural Biology

- 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

- Behavioural flexibility – Sabine Tebbich

- Human-environment interactions – Elisabeth Oberzaucher

- Brain & Language Lab – Narly Golestani

Research Institutes: Cognitive / Behavioural Biology

- Konrad Lorenz Insitute (KLI) ([web](web))
  - Theoretical biology
  - Evolutionary theory
  - Computational biology
  - Biocognition – Isabella Sarto-Jackson

- Konrad Lorenz Research Station (KLF Grünau) ([web](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](web))
  - Models of personality and emotions, software agents – Paolo Petta
  - Knowledge-based systems – Robert Trappl
  - Neuroinformatics – Georg Dorffner

- Austrian Research Institute for Artificial Intelligence (OFAI) ([web](web))
  - Natural language processing – Brigitte Krenn, Friedrich Neubarth, Stephanie Gross

- Johannes Keppler Universität Linz (JKU), formerly OFAI
  - Music processing and machine learning – Arthur Flexer

Neuroscience Research Institutes Medical University of Vienna

- Center for Brain Research ([web](web))
  - Neuropharmacology – Margot Ernst
  - Cognitive neurobiology – Thomas Klausberger

- Neuroimaging Labs (NIL) ([web](web))
  - Neuroscience for psychiatry and psychotherapy – Rupert Lanzenberger
    - Neuropsychopharmacology
    - Neurobiology of emotion and cognition

- High Field MR Center ([web](web))

- Windischberger Lab ([web](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](web))
  - Socio-cognitive networks – Lukas Zenk
    - Organisational improvisation
  - Sustainability design / management – Gerald Steiner

Cooperation: Technical University of Vienna
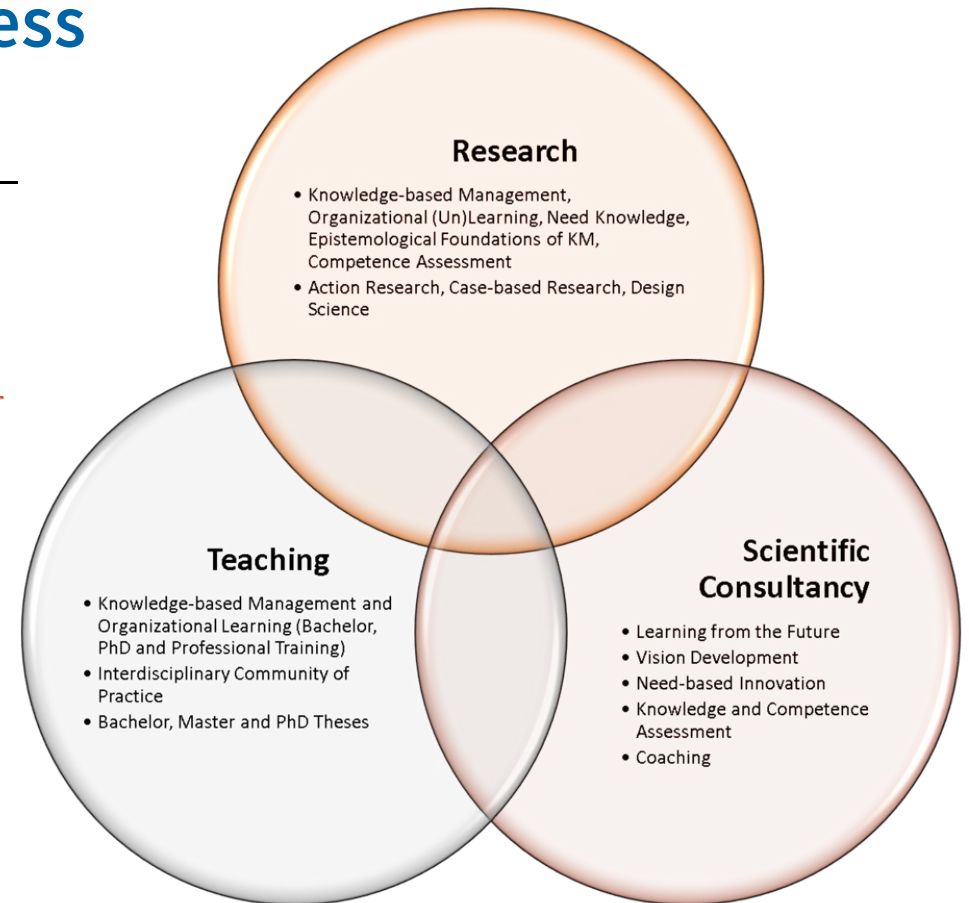
- Automation and Control Institute (ACIN) – web
  - Markus Vincze, Lara Lammer, Raphael Deimel

Cooperation:
Vienna University of Economics and Business

- Knowledge Management Group([web](web))
  - Knowledge Management and organizational learning – Florian Kragulij
  - Vision and Innovation
  - Knowledge-based systems analysis – Alexander Kaiser

- Sustainable Computing Lab ([web](web))
  - Human needs management – Soheil Human

- Institute for Cognition and Behavior ([web](web))
  - Susann Fiedler, Hooman Habibnia

- Institute for Information Systems & Society ([web](web))
  - Sarah Spiekermann-Hoff, Karin Bednar, Lenart Motnikar

Cooperation: Central European University in Vienna, Dept. Of Cognitive Science

- Joint Action and Attention – Günther Knoblich, Natalie Sebanz
  SOMBY Lab – web

- Adaptive Cognition and Economics – Christophe Heintz

- Vision and Learning – Jozef Fiser

Cooperation: Complexity Science Hub Vienna

- Complexity Science – Hannah Metzler
  - 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

Departments, faculties:

- Philosophy
- Psychology
- Computer Science
- Art History
- Linguistics
- English and American Studies
- German Studies

+ Research institutes:

- Cognitive & Behavioural Biology
- Musicology
- Media
- Artificial Intelligence
- Neuroscience

+ Cooperations:

- Knowledge and Communication Management
- Automation and Control
- Complexity Science
- Economics and Business
  - Knowledge Management
  - Sustainable Computing
  - Cognition and Behavior
  - Information Systems & Society
- Technology
- Science

+ ...

Vienna Cognitive Science Hub

- Network for all research in Cognitive Science at the University of Vienna ([web](#)).

- Offering grants and other services such as assistance to connect to other researchers and find participants etc.

And more...

Essentials

- **List of projects**
- Information for **incoming students** here
  ○ … for **outgoing students** here
- Erasmus+ in Vienna (web)

Information on the Web

Local website

https://ssc-phil.univie.ac.at/studien/

master-cognitive-science/

Welcome Guide
University of Vienna

https://studieren.univie.ac.at/
en/welcome-guide/

Key portals & dates

u:find - find courses, course information and register for courses <small>at the University of Vienna</small>
https://ufind.univie.ac.at/

u:space - find all your study relevant documents and information <small>at the University of Vienna</small>
https://uspace.univie.ac.at/

Med.Campus - find and register for courses at the Medical University of Vienna:
https://campus.meduniwien.ac.at/med.campus/

Academic Year to find general dates (and holidays)

at the University of Vienna https://studieren.univie.ac.at/en/semester-planning/the-academic-year/

and the Medical University of Vienna https://www.meduniwien.ac.at/web/en/studierende/service-center/akademischer-kalender/

Student-led communities

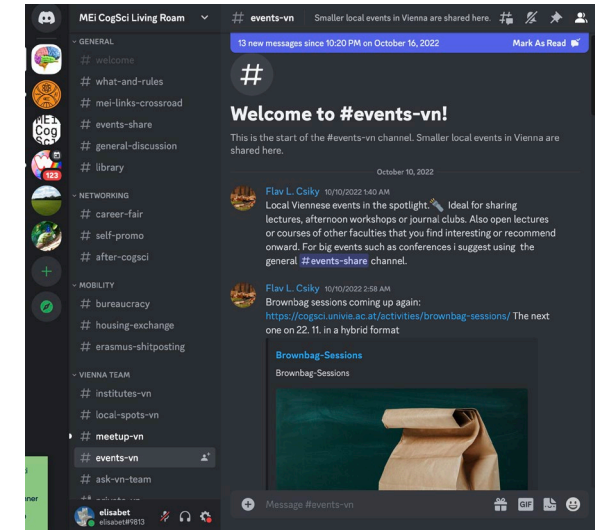*„intercultural link between foreign and local students"*

Buddy System UniWien

„cross-any-cohort synapse node of Viennese cogscies"

Signal group: CogSci Meetup

„exchanges, students, alumni, events, networking & 4 cogsci cities"

Discord: Mei Cog Sci Living Roam

Have a great mobility!