



Central European Institute of Technology
BRNO | CZECH REPUBLIC

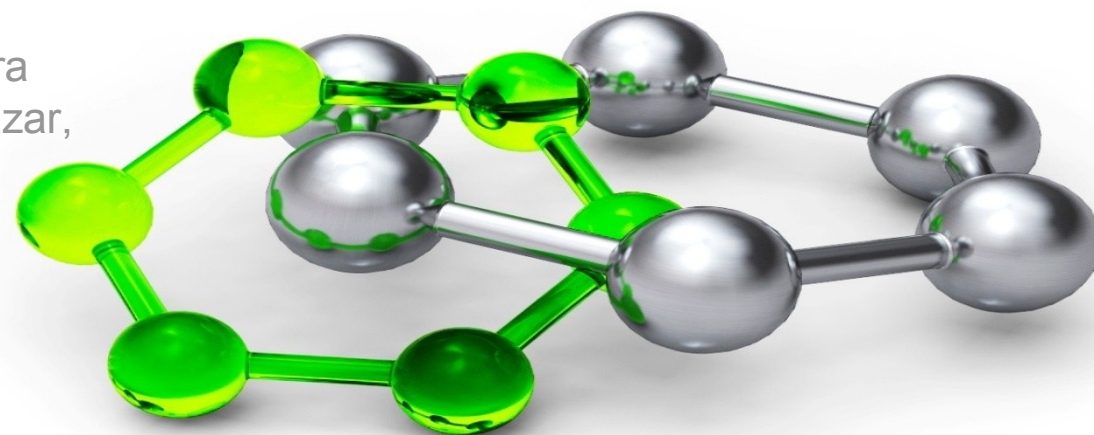
Selected topics from contemporary neuroscience

Intro to the organization of the course

Mgr. Beáta Špiláková,
Mgr. Pavlína Hlavatá, Mgr. Martin Jáni, Mgr. Pavlína Linhartová, Klára
Marečková, Ph.D., M.Sc., Mgr. Lenka Sakálošová, MSc. Miguel Salazar,
Mgr. Petra Zemánková,



EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND
INVESTING IN YOUR FUTURE



WELCOME!



- doc. Mgr. Lenka Lacinová, Ph.D.: lacinova@fss.muni.cz
- Mgr. Beáta Špiláková: beata.spilakova@ceitec.muni.cz, 54949 7469
- Mgr. Pavlína Hlavatá: 397885@mail.muni.cz
- Mgr. Martin Jáni: 217488@mail.muni.cz
- Mgr. Pavlína Linhartová, pavla.linhartova@gmail.com
- Klára Marečková, Ph.D., M.Sc.: klara.mareckova@ceitec.muni.cz
- Mgr. Lenka Sakálošová, lenka.sakalossova@ceitec.muni.cz
- MSc. Miguel Salazar: miguel.salazar@ceitec.muni.cz
- Mgr. Petra Zemánková: petra.zemankova@ceitec.muni.cz

- **doc. Mgr. Lenka Lacinová, Ph.D.:** lacinova@fss.muni.cz
- Mgr. Beáta Špiláková: beata.spilakova@ceitec.muni.cz, 54949 7469
- Mgr. Pavlína Hlavatá: 397885@mail.muni.cz
- Mgr. Martin Jáni: 217488@mail.muni.cz
- Mgr. Pavlína Linhartová, pavla.linhartova@gmail.com
- Klára Marečková, Ph.D., M.Sc.: klara.mareckova@ceitec.muni.cz
- Mgr. Lenka Sakálošová, lenka.sakalossova@ceitec.muni.cz
- MSc. Miguel Salazar: miguel.salazar@ceitec.muni.cz
- Mgr. Petra Zemánková: petra.zemankova@ceitec.muni.cz

Lecturers important people



- doc. Mgr. Lenka Lacinová, Ph.D.: lacinova@fss.muni.cz
- **Mgr. Beáta Špiláková:** beata.spilakova@ceitec.muni.cz, 54949 7469
- Mgr. Pavlína Hlavatá: 397885@mail.muni.cz
- Mgr. Martin Jáni: 217488@mail.muni.cz
- Mgr. Pavlína Linhartová, pavla.linhartova@gmail.com
- Klára Marečková, Ph.D., M.Sc.: klara.mareckova@ceitec.muni.cz
- Mgr. Lenka Sakálošová, lenka.sakalossova@ceitec.muni.cz
- MSc. Miguel Salazar: miguel.salazar@ceitec.muni.cz
- Mgr. Petra Zemánková: petra.zemankova@ceitec.muni.cz

- Today

1. **Klára Marečková:** Introduction to Contemporary Neuroscience
2. **Klára Marečková:** Biomarkers and underlying mechanisms of psychiatric diseases
3. **Miguel Salazar:** Inhibition
4. **Pavλίna Hlavatá:** Impulsivity

- 26.10., 8:00, CEITEC
- 1. **Lenka Sakálošová:** Introduction to imaging techniques and brain stimulation
- 2. **Petra Zemánková:** Magnetic resonance imaging
- 3. **Pavlína Linhartová:** Repetitive transcranial magnetic stimulation & fMRI biofeedback
- 4. EEG, TMS & MRI demonstrations
- University Campus at Brno-Bohunice, building A35, room 2S087
buses 50, 60, 61, E56, trolleybuses 25, 37
bus stop Univerzitní kampus

V okolí kruhového objezdu stojí linky trolejbusu č. 25 a 37 nebo bus č. 50, 60, 61, 69, 82
Zastávky- **Univerzitní kampus.**

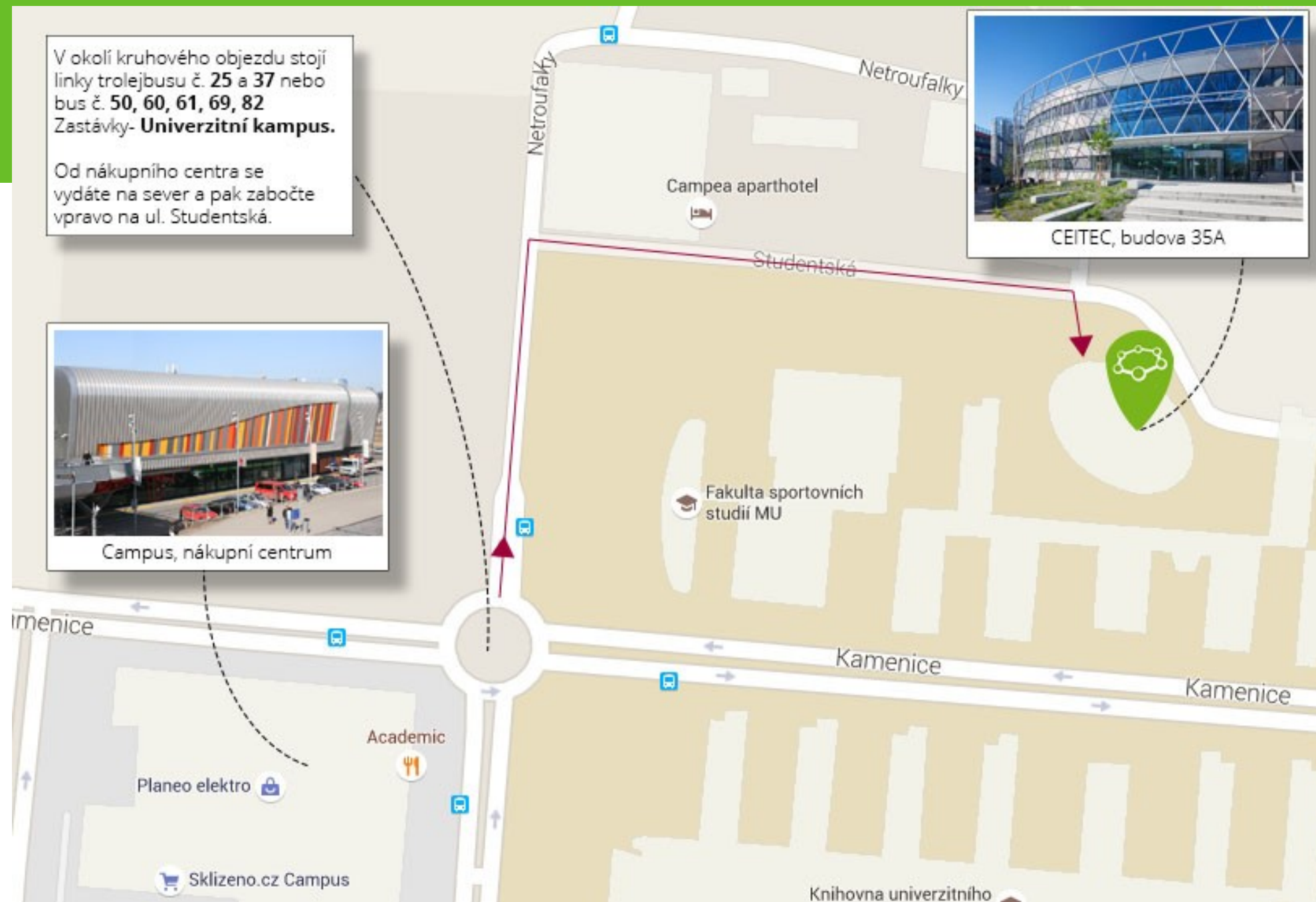
Od nákupního centra se vydáte na sever a pak zabočte vpravo na ul. Studentská.



Campus, nákupní centrum



CEITEC, budova 35A



- 26.10., 8:00, CEITEC
- 1. **Lenka Sakálošová:** Introduction to imaging techniques and brain stimulation
- 2. **Petra Zemánková:** Magnetic resonance imaging
- 3. **Pavλίna Linhartová:** Repetitive transcranial magnetic stimulation & fMRI biofeedback
- 4. EEG, TMS & MRI demonstrations
- University Campus at Brno-Bohunice, building A35, **room 2S087**
buses 50, 60, 61, E56, trolleybuses 25, 37
bus stop Univerzitní kampus

- 16.11., 8:00, FSS M117
1. **Petra Zemánková:** Ambiguity in social cognition
 2. **Beáta Špiláková:** Connectivity and network neuroscience
 3. **Martin Jáni:** Social cognition in schizophrenia
 4. **Martin Jáni:** Meta-analysis in neuroscience

- 7.12., 8:00 FSS, U32

1. **Beáta Špiláková:** Altruism, cooperation & competition
2. **Lenka Sakálošová:** Consciousness
3. + 4. Presentations & Discussions

- Neuroscience research proposal

No need to present but more hustle to write

OR

- Presentation on a neuroscientific topic

Easier to write, but you will have to present in front of your peers on the 7th of December

Deadline 4.11. (IS-> Study materials-> Homework Vaults-> Assignments) you will get feedback by 25.11., and you will have a chance to resubmit by 5.12.

Requirements to pass the course



- **Reading:** 1-3 papers prior to each block; fill in an online questionnaire on each paper
- **Writing:**
- a neuroscience research proposal: knowledge of the topic, relevance, feasibility and methodology will be evaluated
- presentation of a neuroscientific topic: knowledge of the topic, clarity, information value and the presentation skills will be evaluated
- **Attendance:** absence on 1 lecture is allowed, if you need to skip an entire block, you will be asked to write an additional assignment, let me know in advance!

Want to get more involved?



- Become a participant in neuroscientific research!

OR

- Help us with recruitment

Any questions?

Thank you

AND ENJOY THE PRESENTATIONS