



NEUROSCIENCE WORKSHOP: ADVANCING TRANSLATIONAL RESEARCH FOR NEUROLOGICAL AND PSYCHIATRIC DISORDERS

Date and Location: *March 11-13, 2024, Atlas University*

Speakers:

Govert Hoogland, PhD, Department of Neurosurgery, Maastricht University Medical Center

Ali Jahanshahi, PhD, Department of Neurosurgery, Maastricht University Medical Center

All undergraduate students of our university with basic knowledge of the central nervous system are welcome to participate.



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Key Concepts to be Explored:

11.03.2024 Monday

13:15-13:45 (Front desk in front of Classroom B3-09)

Registration

14:00-17:00 (B3-09)

Lecture 1: Preclinical Research Models in Neuroscience? (G. Hoogland)

Lecture 2: Principles of Preclinical Study Design (A. Jahanshahi)

Lecture 3: Deep brain stimulation demonstration (A. Jahanshahi)

Q&A

12.03.2024 Tuesday

09:00-12:00 (B3-09)

Lecture 1: Neurotransmission in Epilepsy (G. Hoogland)

Lecture 2: Deep brain stimulation in movement disorders (A. Jahanshahi)

Lecture 3: Scientific writing (G. Hoogland)

Q&A

14:00-17:00 (B3-09 and B3-10)

Students' presentation

(Groups 1-5 in B3-09, Groups 6-11 in B3-10)

13.03.2024 Wednesday

10:00-12:00 (Auditorium)

Keynote Lecture: Clinical Neuroscience (Y. Temel- Virtually attend)

Assignment for 12 th afternoon session;

Make teams of 5 students per group.

Per team, prepare a 6-minute / 6-slides PowerPoint presentation on a research design that addresses DBS to treat epilepsy or a movement disorder. Think for instance of:

- Rationale
- Aim
- Animal model
- DBS method (including target)
- Readout
- Experimental design

Each presentation will be followed by a 5-minute discussion by peers.

Faculty:

This program is offered by:

Govert Hoogland, PhD and Ali Jahanshahi, PhD

Department Neurosurgery, Maastricht University Medical Center, the Netherlands

Organized by:

Ayşe Ayçiçeği Dinn, PhD; Fümet Duygu Üstündağ, PhD; Burcu Biltekin, PhD; Merve Savaş, PhD;

Hasan Kahraman, PhD; Abdulhalim Şenyiğit, MD and Merve Alökten, MSc (Coordinator)

Istanbul Atlas University, Türkiye