



2021 ACMEGS Annual Meeting

TUESDAY, MAY 11, 2021

6:00 – 9:00pm ET

6:00 - 6:30pm Opening Session

- 6:00pm **ACMEGS Presidential Address**
Michael Funke, MD, PhD; Houston, TX
- 6:10pm **ACMEGS Legacy Award Presentation**
Laudation by Jeffrey Tenney, MD; Cincinnati, OH
- 6:15pm **Legacy Award Lecture**
Douglas Rose, MD; Cincinnati, OH

6:30 - 7:30pm MEG Mapping in Brain Tumors

Session Chair: Jeffrey Tenney, MD; Cincinnati, OH

- 6:35pm **Accuracy Analysis of fMRI and MEG Activations Determined by Intraoperative Mapping**
Michele Aizenberg, MD; Omaha, NE
- 7: 00pm **Spatiotemporal Dynamics of Postoperative Functional Plasticity in Patients with Brain Tumors in Language Areas**
Mikel Lizarazu, PhD; San Sebastián, Spain
- 7:25pm Discussion

7:30 - 8:40pm Update from the MEG Gantry

Session Chair: Michael Funke, MD, PhD; Houston, TX

- 7:35pm **Mild Cognitive Impairment, Functional Connectivity, and Spikes**
Fernando Maestu, PhD; Madrid, Spain
- 7:55pm **Inpatient MEG Indications**
Michael Watkins, MD; Houston, TX
- 8:15pm **Ictal MEG – Comparative of Analysis Methods**
Rafeed Alkawadri, MD; Pittsburgh, PA
- 8:35pm Discussion

WEDNESDAY, MAY 12, 2021

6:00 – 9:00pm ET

6:00 - 6:20pm Opening Session

6:00pm **ACMEGS Legacy Award Presentation**
Laudation by Fernando Maestu, PhD, Madrid, Spain

6:05pm **Legacy Award Lecture**
Andrew Papanicolaou, PhD; Memphis, TN

6:20 - 7:00pm Special Guest Presentation

Session Chair: Michael Funke, MD, PhD; Houston, TX

6:25pm **Challenges to the Human Brain During Spaceflight Mission to Mars**
Karina Marshall-Goebel, PhD; NASA

6:55pm Discussion

7:00 – 8:00pm Language Mapping (1) - Concepts and Methods

Session Chair: Susan Bowyer, PhD; Detroit, MI

7:05pm **Contributions of Electrophysiology for Identifying Cortical Systems for Language in Patients with Epilepsy**
Agnes Trebuchon, MD, PhD; Marseille, France

7:30pm **Presurgical Language Mapping with Magnetoencephalography**
Susan Bowyer, PhD; Detroit, MI

7:55pm Discussion

8:00 – 9:00pm Language Mapping (2) – Mastering the Practicalities

Session Chair: Anto Bagic, MD, PhD, Pittsburgh, PA

8:05pm **Mapping Language from MEG Beta Power Modulations during Auditory and Visual Naming**
Vahab Youssofzadeh, PhD; Milwaukee, WI

8:30pm **Mapping Language Networks and Association with Verbal Abilities in Pediatric Epilepsy Using MEG**
Elain Foley, PhD; Birmingham, United Kingdom

8:55pm Discussion

THURSDAY, MAY 13, 2021

6:00 – 8:15pm ET

6:00 - 6:20pm Opening Session

6:00pm **ACMEGS Legacy Award Presentation**
Laudation by Richard C. Burgess, MD, PhD; Cleveland, OH

6:05pm **Legacy Award Lecture**
Nobukazu Nakasato, MD, PhD; Tokyo, Japan

6:20 – 7:20pm Neurostimulation in Epilepsy

Session Chair: Richard C. Burgess, MD, PhD; Cleveland, OH

6:20pm **Mechanisms of tES - How it Affects Neural Oscillations Based on Animal Models and Human Data**
Flavio Fröhlich, PhD; Chapel Hill, NC

6:40pm **Electrical Stimulation in Epilepsy and the Importance of MEG**
Andreas Alexopoulos, MD; Cleveland, OH

7:00pm **Individualized Gamma-band tACS and Modifies Motor Function**
Rachel Spooner, PhD; Omaha, NE

7:20pm Discussion

7:20 – 7:40pm Update on ACMEGS Educational Initiatives

Session Chair: Michael Funke, MD, PhD; Houston, TX

7:45 – 8:15pm What's on the Horizon: Vendor Innovations and Plans

Session Chair: Michael Funke, MD, PhD; Houston, TX

- ANT Neuro
- Compumedics
- CTF
- KERNEL
- MEGIN
- RICOH

8:15pm Annual Meeting Adjourn

ACMEGS members only. The ACMEGS Business Meeting follows at 8:20pm.

8:20 – 9:20pm ACMEGS Business Meeting

Chair: Michael Funke, MD, PhD; Houston, TX

- Approving Minutes from 2020 Meeting – *Michael Funke, MD, PhD, ACMEGS President*
- Financial Report – *Tony Wilson, PhD, ACMEGS Treasurer*
- Membership Report – *Tony Wilson, PhD, ACMEGS Treasurer*
- Member Communications Committee Report – *Jeffrey Tenney MD, PhD, Chair*
- New Business – *Michael Funke, MD, PhD*
- Board Elections – *Michael Funke, MD, PhD*