



WSSFN

18TH
BIENNIAL MEETING OF THE
WORLD SOCIETY FOR
STEREOTACTIC AND
FUNCTIONAL NEUROSURGERY



HILTON MIDTOWN
NEW YORK CITY

JUNE 24-27
2019

WS01 Electrophysiology Workshop

Monday, June 24, 2019

08:00 - 12:00

Nassau

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- Coordinator: Aysegul Gunduz (USA)
Chair: Bill Hutchinson (Canada)
Chair: Yasin Temel (The Netherlands)
- 08:00 **Basics of MER (physiological basis, firing patterns, how to read MER, troubleshooting MER noise in OR) Techniques in microelectrode recording**
Invited Speaker: Ron Levy (Canada)
- 08:20 **Discussion**
- 08:30 **MER in PD, tremors and dystonia (including VEPs)**
Invited Speaker: Bill Hutchinson (Canada)
- 08:50 **Discussion**
- 09:00 **Physiology of the thalamus and basal ganglia in movement disorder surgery**
Invited Speaker: Wael Asaad (USA)
- 09:20 **Discussion**
- 09:30 **Current models of basal ganglia circuitry**
Invited Speaker: Kai Miller (USA)
- 09:50 **Discussion**
- 10:00 **Hands On Integration (FHC and AO systems)**
Invited Speaker: Chuck Mikell (USA)
- 10:20 **Discussion**
- 10:30 **Effect of sedation and anesthesia on recordings**
Invited Speaker: Zvi Israel (Israel)
- 10:50 **Discussion**
- 11:00 **Neural rhythms in MD surgery**
Invited Speaker: Kareem Zaghloul (USA)
- 11:20 **Discussion**
- 11:30 **Understanding LFP and application for adaptive DBS**
Invited Speaker: Aysegul Gunduz (USA)
- 11:50 **Discussion**