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of Medicine at
Mount
Sinai

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PROGRAM

Stern Auditorium and Lobbies, Annenberg Building 1st Floor, 1468 Madison Avenue

Day One: Friday, October 25, 2019

7:00-8:30am

Registration and Breakfast

8:30-8:45

Opening Remarks

Barbara G. Vickrey, MD, MPH

Session I: GENERAL VESTIBULAR

Moderator: G. Michael Halmagyi, BSC, MBBS, MD

8:45-9:30

Yahr Lecture: Restoring Vestibular Sensation Through Prosthetic Stimulation

Charles C. Della Santina MD, PhD

9:30-9:55

Vestibular System in Fish and Frogs: Effects of Semicircular Canals on Otolith Function

Hans Straka, PhD

9:55-10:20

Vestibular Hair Cell Regeneration: Lessons Learnt from Animal Studies

Alan Cheng, MD

10:20-10:35

Eye Movements from the Semicircular Canals

Bernard Cohen, MD

10:35-10:50

BREAK

Session II: CLINICAL VESTIBULAR

Moderator: Jose Antonio Lopez-Escamez, MD, PhD

10:50-11:15

Impulsive Testing of Semicircular Canal Function from 1892 to 2019: from Bench to Bedside and Back to Bench

G. Michael Halmagyi, BSC, MBBS, MD

11:15-11:40

Vestibular Responses to Sound and Vibration: Basic Results and Clinical Application

Ian Curthoys, PhD

11:40-12:05pm

Superior Canal Dehiscence

John Carey, MD

12:05-12:30

Genetics of Meniere's Disease

Jose Antonio Lopez-Escamez, MD, PhD

12:30-12:55

Pharmacotherapy of Vestibular Disorders: A Quick Update

Michael Strupp, MD, FRCP, FANA, FEAN

12:55-1:40

LUNCH

Session III: AUTONOMIC VESTIBULAR

Moderators: Gay Holstein, PhD and Vaughan Macefield, BSC (HONS I), PhD, DSC, FAAS

1:40-2:05

Learning Vestibulo-autonomic Transformation: Model Based and Machine Learning Approaches

Ted Raphan, PhD

2:05-2:30

Vestibular Changes in Microgravity

Laurence Retman Young, SCD

2:30-2:55

Neurotransmitters, Modulators, and Pathways Supporting Vestibular Influences on Heart Rate and Blood Pressure

Gay Holstein, PhD

2:55-3:20

Multisensory and Cognitive Control of Blood Pressure

Bill Yates, PhD

3:20-3:35

BREAK

3:35-4:00

Vestibular Modulation of Sympathetic Outflow to Muscle and Skin in Humans

Vaughan Macefield, BSC (HONS I), PhD, DSC, FAAS

4:00-4:25

Alternative Treatment of Orthostatic Intolerance

André Diedrich, MD, PhD

4:25-4:50

The Vestibular Cortex and Bodily Self-Consciousness

Christophe Lopez, PhD

4:50-5:00

Closing Remarks

Bernard Cohen, MD

5:00pm

Adjourn

PROGRAM

Day Two: Saturday, October 26, 2019

7:15-8:45am

Registration and Breakfast

8:45-9:00

Opening Remarks

Dedication to Mingjia Dai, PhD

Bernard Cohen, MD

Session IV: MAL DE DEBARQUEMENT SYNDROME (MdDS)

Moderator: Richard F. Lewis, MD

9:00-9:25

Sensation of Gravitational Pull in MdDS Patients

Sergei Yakushin, PhD

9:25-9:50

Sham Control Study of the OKN Therapy for MdDS

Viviana Mucci, PhD, MSC, BSC HONS

9:50-10:15

Neuroimaging Markers of MdDS

Yoon-Hee Cha, MD

10:15-10:30

BREAK

10:30-10:55

The Physical Signs of MdDS

Richard F. Lewis, MD

10:55-11:20

Corticospinal Excitability and MdDS

Brian Clark, PhD

11:20-11:55

Vestibulo-cerebellar Circuitry and Its Adaptation to Sustained Stimulation

Neil H. Barmack, PhD

11:55-12:40pm **LUNCH**

Session V: VESTIBULAR CEREBELLAR

Moderators: Cathy Cho, MD and

Jim Lackner, PhD

12:45-1:10

Vestibular Readaptation in Motion Sickness and the Mal de Debarquement Syndrome

Cathy Cho, MD

1:10-1:35

Ataxia and Cerebellar Genetics

Joanna Jen, MD, PhD

1:35-2:00

Vestibular Cerebellum Correlates for Perception and Gaze

David Dickman, PhD

2:00-2:25

Vestibulocerebellar Nystagmus

Giovanni Bertolini, PhD

2:25-2:40

BREAK

2:40-3:05

Dynamic Balancing with and without Gravity-Dependent Position Cues

Jim Lackner, PhD

3:05-3:30

Quantifying the Links between Age, Vestibular Function, and Balance

Dan Merfeld, PhD

3:30-3:55

Postural Instability and Motion Sickness Induced by Visual Motion Stimuli in Patients with Vestibular Migraine

Sung-Hee Kim, MD, PhD

3:55-4:20

Vestibular Loss and Cognitive Decline in Aging Adults

Yuri Agrawal, MD, MPH

4:20-4:40

Closing Remarks

David Zee, PhD

4:40-5:00

Announcements

Bernard Cohen, MD

5:00pm

Adjourn