

Preliminary Program

American Heart Association 2014 Workshop: Cardiac Applications
on Microelectrode Arrays

Chicago IL, November 17, 2014

Monday, Nov 17

12:00 – 01:00 Lecture (1750 W. Harrison Street, 14th Floor)

Introduction to *in vitro* and *in vivo* cardiac applications with
MEA technology (Dr. Thomas Meyer, MCS)

01:00 – 02:00 Lunch break

02:00 – 05:00 Lab demonstration

02:00 – 03:00 Dissociation and seeding of hiPSC cardiomyocytes onto MEAs
(Dr. Kathrin Banach, Rush University)

03:00 – 03:20 Coffee break

03:20 – 05:00 Preparation and recording of hiPSC cardiomyocytes on
single well and multiwell MEAs (Dr. Thomas Meyer, MCS)

Compound treatment and data analysis on Multiwell
MEAs (Dr. Thomas Meyer, MCS)

Langendorff heart preparation with flexMEA and
ME32 System (Dr. Thomas Meyer, MCS)

After 05:00 Conclusion and post-workshop get-together