



EMERGING TECHNOLOGY TOWARD PATHWAY-BASED HUMAN BRAIN RESEARCH

29-30 May 2017 | D'Or Institute for Research and Education, Rio de Janeiro

Program of the Meeting

Monday, 29 May 2017

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| 12.00–13.30 | Welcome Lunch |
| 13.30–13.40 | Welcome by Marcia Triunfol (HSI Brazil Science Advisor) |
| 13.40–14.00 | Toward a human pathway paradigm in health research
Troy Seidle , HSI Director of Research & Toxicology |
| 14.00–14.30 | Organoids: A historical perspective of thinking in three dimensions
Marina Simian , Instituto de Nanosistemas, Universidad Nacional de San Martín, Argentina |
| 14.30–15.00 | New insights about the biology of zika virus infection using iPS cells
Stevens Rehen , D'Or Institute for Research and Education and Federal University of Rio de Janeiro, Brazil |
| 15.00–15.30 | Mini-brains to study Dravet Disease |



HUMANE SOCIETY
INTERNATIONAL

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Fabio Klamt, Federal University of Rio Grande do Sul, Brazil

15.30 –16.00

Coffee break

16.00 –16.30

A human brain microphysiological system derived from iPSC to study neurological diseases, toxicity and infection diseases

David Pamies, Center for Alternatives to Animal Testing, Johns Hopkins University, USA

16.30 –17.00

Modeling autism spectrum disorders with human neurons

Patricia Beltrão-Braga, University of São Paulo, Brazil

Cocktail / Dinner (time and place to be announced)

Tuesday, 30 May 2017

09.00 – 09.30

Breakfast

09.30 –10.00

The promises and challenges of human brain organoids as models of neuropsychiatric diseases

Giorgia Quadrato, Harvard Stem Cell Institute, USA

10.00 –10.30

Human iPSC-derived motor neurons for Amyotrophic Lateral Sclerosis

Gerson Chadi, University of São Paulo, Brazil

10.30 – 11.00

Combining neuroproteomics and mini-brains to understand psychiatric disorders

Daniel Martins-de-Souza, University of Campinas, Brazil

11.00 – 11.30

Coffee Break

11.30 – 12.00

“Understanding Parkinson’s diseases using patient neurons derived from induced pluripotent stem cells (iPSC)”

Joseph R Mazzulli, Northwestern University
Feinberg School of Medicine, USA

12.00 – 13.30

Round Table Discussion (chairs: **Troy Seidle & Marcia Triunfol**)

13.30 – 13.40

Wrap-up

13.40

Lunch