

27th June, 2024

IMDAX
Polish Academy of Sciences

Polish-American Symposium
“Power of stem cells to model embryos
and organs”

AGENDA

11:00 Welcome participants by organizer - Prof. Leonora Bużańska

SESSION I:

Chair - Prof. Marek Krawczyk & Prof. Maria Anna Ciemerych-Litwinienko

11:05 *Introduction to stem cells modeling of embryo and organs*
Prof. Leonora Bużańska

11:20 *Modelling development with stem cells: the power of self-organization*
Prof. Magdalena Żernicka-Goetz

11:50 *Developmental strategies of human neural stem cells and their relevance to psychiatric disorders*
Prof. Tomasz Nowakowski

12:20 *Complex systems analysis of neonatal brain and organoids*
Prof. Anirban Dutta

12:50 – 13:50 Lunch

SESSION II:

Chair - Prof. Leonora Bużańska & Prof. Dorota Pijanowska

13:50 *Systems and organoid approach to model schizophrenia*
Prof. Michał Stachowiak

14:20 *Advanced tissue models derived from human iPSC for human heart modeling*
Prof. Natalia Rozwadowska

14:40 *Modeling neurodevelopmental pathogenesis of Huntington Disease with human iPSC lines and brain organoids*
Prof. Maciej Figiel

15:00 *Generation of iPSC lines and forebrain organoids to model Dravet Syndrom*
Valery Zayat, PhD

15:15 *Modeling of pre-symptomatic synaptic disorders in Alzheimer's disease with cortical organoids*
Michalina Wężyk, PhD

15:30 *Stem Cells as a tool to study myogenic differentiation*
Prof. Maria Anna Ciemerych-Litwinienko

15:50 Closing remarks by organizer - Prof. Leonora Bużańska