**Human Frontier Science Program**
**Mini- Symposium**
**"Neuroscience Meets 3D Genome Biology"**

**August 4th, 2017**
**The Jackson Laboratory for Genomic Medicine, Farmington, CT**

**9:00am** **Welcome**
Yijun Ruan, The Jackson Laboratory

***Morning Session:***
***Molecular Mechanisms in Memory and Neurological Disorders***

**9:10am** **Introduction** (HFSP and 3D genome in Neuroscience)
Yijun Ruan, The Jackson Laboratory for Genomic Medicine

**9:30am** **Epigenetic etiology of Intellectual Disability**
Angel Barco, Instituto de Neurociencias, Universidad Miguel Hernández, Spain

**10:15am** **Modeling Severe Pediatric Epilepsies in Mice: Progress and Surprises**
Wayne Frankel, Columbia University

**11:00am** **Coffee Break**

**11:15am** **Genome Architecture and Regulation of Expression of Clustered Protocadherins**
Andrew M. Garrett, The Jackson Laboratory

**12:00am** **Genome Level Dissection of Huntington's Disease Pathogenesis**
Jiang-Fan Chen, Boston University

**12:45pm** **Lunch Break**

***Afternoon Session:***
***New Technologies in Neuroscience Research***

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| **1:30pm** | **Architectural Changes of the Cell Nucleus Upon Neuronal Excitation**<br>Grzegorz Wilczynski, Nencki Institute, Medical University of Warsaw, Poland |
| **2:15pm** | **TBD**<br>Elissa Chesler, JAX |
| **3:00pm** | **Tea & Coffee Break** |
| **3:15pm** | **Human iPSC Models of Chromosome 15q Imprinting Disorders**<br>Stormy Chamberlain, UConn Health |
| **4:00pm** | **Chromatin interaction and Transcription Regulation in Mouse Neurons**<br>Emaly Piecuch, JAX/UConn Health |
| **4:15pm** | **Chromatin Interactions in Single Molecular and Single Cells**<br>Meizhen Zheng, JAX |
| **4:30pm** | **Higher Order Epigenetic Regulation of the Glucocorticoid Receptor Gene Under Stress-Related Condition in Neurons and Astrocytes**<br>Katarzyna Karolina Pels, Nencki Institute, Medical University of Warsaw, Poland |
| **4:45pm** | **Wrap Up/ Q & A**<br>Yijun Ruan, JAX |
| **5:00pm** | **Reception** |
| **6:30pm** | **Adjourn** |
| **6:30pm** | **Speaker Dinner** |