

## STEM CELLS

November 1, 16:30 – 18:30

Suvorov Hall

### Session 1

Chairs: Jinsong LI and Alexey Tomilin

20 min **Dong GAO** *Shanghai Institute of Biochemistry and Cell Biology, Center for Excellence in Molecular Cell Science, China*

**Androgen signaling and cell fates determination**

20 min **Ekaterina Vorotelyak** *Koltsov Institute of Developmental Biology, Russian Academy of Sciences, Moscow, Russia*

**Niche trajectories in epithelial morphogenesis and stem cell differentiation**

20 min **Peng DU** *Peking University, China*

**Capturing and maintainance of totipotent stem cells *in vitro***

20 min **Jiekai CHEN** *Guangzhou Institutes of Biomedicine and Health, Chinese Academy of Sciences, China*

**Cell lineage analysis of neurodevelopmental disorders**

20 min **Albert RIZVANOV**<sup>1</sup>, Y.A. Mukhamedshina<sup>1</sup>, E.F. Davletshin<sup>1</sup>, M.A. Mukhamedyarov<sup>2</sup> <sup>1</sup>*Kazan (Volga Region) Federal University;* <sup>2</sup>*Kazan State Medical University, Kazan, Russia*

**Mesenchymal stem cells and derived microvesicles for therapeutic advances in spinal cord injury and neurodegenerative diseases**

20 min **Xiaohua SHEN** *Tsinghua University, China*

**Decode the noncoding genome**

## STEM CELLS

November 2, 9<sup>00</sup> – 11:00

Suvorov Hall

### Session 2

Chairs: Dong GAO and Albert Rizvanov

20 min **Natella ENUKASHVILY**, N.V. Ponomartsev, E.A. Gushcha, V.V. Volkov *Institute of Cytology, Russian Academy of Sciences, St Petersburg, Russia*

**Tandemly repeated RNA: role in carcinogenesis and tumorigenesis**

20 min **Hui YANG** *Institute of Neuroscience, Center for Excellence in Brain Science and Intelligence Technology, Chinese Academy of Sciences, China*

**Generation of rat forebrain tissues in mice**

20 min **Anna MALASHICHEVA** *Institute of Cytology, Russian Academy of Sciences, St Petersburg, Russia*

**Driving osteogenic differentiation through Notch signaling: the search for stem cell therapy for bone defects and heart diseases**

20 min **Ping HU** *Guangzhou Laboratory, China*

**Profound stem cell defects in non-human primate DMD model**

20 min **Irina NEGANOVA, V. Gursky** *Institute of Cytology, Russian Academy of Sciences, St Petersburg, Russia*

**Analysis of the human induced pluripotent stem cells using machine-learning methods; the prospect of the best clone selection for purpose of regenerative medicine**