



报告人: **Shoukhrat Mitalipov, Ph.D.**

Professor and Director

Center for Embryonic Cell and Gene Therapy

Oregon Health & Science University

主持人: 张勇 教授

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Biography

Dr. Mitalipov earned his Ph.D. degree in 1994 in Developmental & Stem Cell Biology at the Research Center for Medical Genetics, Moscow, Russia. He came to Utah State University in 1995 to conduct postdoctoral research training and then moved to Oregon National Primate Research Center (ONPRC) at Oregon Health & Science University. In 2014, Dr. Mitalipov became the Director of the newly founded Center for Embryonic Cell and Gene Therapy. He is also a Professor in the Division of Reproductive & Developmental Sciences of ONPRC and Professor in Departments of Biomedical Engineering, Obstetrics, Gynecology & Pediatrics, and Molecular & Medical Genetics, School of Medicine, OHSU. He is the recipient of the 2010 Discovery Award from the Medical Research Foundation of Oregon. His study was listed as Top 10 scientific breakthrough of 2013 by several journals, including Nature, Science, Time, Discover, National Geographic, and The Week.

The main accomplishments of his lab include:

- Successful cloning of the monkey embryonic stem cells using SCNT (*Nature* 2007)
- Discovery of mitochondrial replacement therapy in primate embryos (*Nature* 2009)
- Cloning of human embryonic stem cells using SCNT (*Cell* 2013)
- Successful human germline genetic editing to correct a mutation (*Nature* 2017)

