

27 августа 2018 г. в 12:00

в большом зале Института цитологии РАН
состоится доклад

Prof. Nissim Benvenisty M.D., Ph.D.
The Hebrew University of Jerusalem

“Haploid Human Embryonic Stem Cells: Derivation and Applications”

Prof. Nissim Benvenisty is the Herbert Cohn Chair in Cancer Research and the Director of The Azrieli Center for Stem Cells and Genetic Research at the Hebrew University. He earned his M.D. and Ph.D. degrees from the Hebrew University, and conducted postdoctoral studies at Harvard University. Prof. Benvenisty's research projects focus on stem cell biology, tissue engineering, human genetics, and cancer research. He published numerous original and review papers on human pluripotent stem cells and serves on the editorial board of various stem cell related journals. He is a member of the steering committee of the International Stem Cell Initiative (ISCI), the Board of Directors of the International Society of Differentiation (ISD), and serves as the academic advisor for the International Symposia of the International Society for Stem Cell Research (ISSCR). Prof. Benvenisty presents the issue of human pluripotent stem cells in many international conferences, and gave testimonies before the US Senate and the European Union. He was awarded several prizes including the Foulkes Prize (London), the Hestrin Prize, the Teva Prize, the Kaye Prize and the Milken Prize. <http://benvenisty.huji.ac.il>

Selected publications:

- Yilmaz A, Peretz M, Aharony A, Sagi I, Benvenisty N. Defining essential genes for human pluripotent stem cells by CRISPR-Cas9 screening in haploid cells. *Nat Cell Biol.* 2018 May;20(5):610-619.
- Weissbein U, Plotnik O, Vershkov D, Benvenisty N. Culture-induced recurrent epigenetic aberrations in human pluripotent stem cells. *PLoS Genet.* 2017 Aug 24;13(8):e1006979.
- Sagi I, Benvenisty N. Haploidy in Humans: An Evolutionary and Developmental Perspective. *Dev Cell.* 2017 Jun 19;41(6):581-589.
- Merkle FT, Ghosh S, Kamitaki N, Mitchell J, Avior Y, Mello C, Kashin S, Mekhoubad S, Ilic D, Charlton M, Saphier G, Handsaker RE, Genovese G, Bar S, Benvenisty N, McCarroll SA, Eggan K. Human pluripotent stem cells recurrently acquire and expand dominant negative P53 mutations. *Nature.* 2017 May 11;545(7653):229-233.
- Sagi I, Benvenisty N. Stem cells: Aspiring to naivety. *Nature.* 2016 Dec 8;540(7632):211-212.