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Cellular senescence in ageing, tissue damage,
cancer and embryonic development

Prof. Krizhanovsky received his PhD in Biology at the Hebrew University of Jerusalem in 2006. He then did his postdoctoral training at Cold Spring Harbor Laboratory, USA with Scott Lowe. In 2010 Dr. Krizhanovsky joined Weizmann Institute of Science where he is now Associate Professor at the Department of Molecular Cell Biology. During his carrier, he discovered the role of cellular senescence in tissue damage, established the role of NK cells in the immune surveillance of senescent cells, presence of senescence in the placenta and discovered senolytic pathways allowing specific elimination of senescent cells in vivo. His laboratory studies the role of senescent cells in aging, age-related diseases and cancer.