

Yaron Fuchs

Yaron Fuchs received his undergraduate degree from Haifa University and performed a direct Ph.D. track at the Technion Israel Institute of Technology. He then performed his postdoctoral fellowship at Rockefeller University, where he examined the critical role of programmed cell death in stem cell expansion and tissue regeneration. Presently, he heads the Laboratory of Stem Cell Biology and Regenerative Medicine at the Technion Israel Institute of Technology. He is part of Faculty of Biology, The Lokey Interdisciplinary Center for Life Sciences & Engineering and the Technion Integrated Cancer Center. His lab focuses on how different modes of programmed cell death are utilized for stem cell elimination and their effect on stem cell-dependent regeneration and tumor formation. Additionally, his lab investigates the non-apoptotic functions of core apoptotic machinery proteins and the role of signals emanating from dying cells. Lastly, the Fuchs lab seeks to identify novel stem cell populations and generate new organoid and in vivo platforms for their studies. It is their hope that their findings could be translated into novel strategies for tumor therapy and regenerative medicine.