VIRTUAL HUMAN DEVELOPMENT

Leonardo Morsut

Leonardo is an Assistant Professor in the department of Stem Cell Biology and Regenerative Medicine at the Keck School of Medicine of USC. He is also co-director of the Center for Integrated Electronics and Biological Organisms (CIEBOrg) at the USC Viterbi School of Engineering, where he holds a dual appointment. Morsut is a co-inventor of a new class of synthetic receptors, synthetic Notch (synNotch) receptors, that have far-reaching implications for cell therapies for cancer, autoimmunity, and regenerative medicine. Grounded in synthetic biology, the Morsut Lab at USC uses a blend of protein engineering, stem cell biology, computational modeling, and tissue engineering approaches to drive morphogenetic and developmental trajectories in multicellular mammalian systems.