

Rudolf Jaenisch

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<http://wi.mit.edu/people/faculty/jaenisch>



Rudolf Jaenisch is a Professor of Biology at the MIT, Boston and a Whitehead Founding Member. His major focus is to understand epigenetic regulation of gene expression in mammalian development and disease. In addition, he is interested in improving induced pluripotent stem (IPS) cell generation followed up by further manipulation of patient specific IPS cells in order to develop therapeutical application for various human diseases such as Parkinson's disease and Rett Syndrome.

Rudolf Jaenisch studied medicine and received his doctorate from the Ludwig Maximilians University of Munich. He did his postdoctoral fellowship at the Max Planck Institute of Biochemistry in Munich and then went to Princeton University. He worked as an assistant Professor at the Salk Institute in La Jolla in California for 4 Years. He moved back to Germany and was the head of the Department of Tumor Virology at the Heinrich Pette Institute at the University of Hamburg. In 1984 he followed a call to the Whitehead Institute and the Massachusetts Institute of Technology (MIT).

Rudolf Jaenisch has received numerous prizes and recognitions, including an appointment to the National Academy of Sciences in 2003, the Otto Warburg Medal in 2014 and latest the March of Dimes Prize in Developmental Biology, 2015

Richard A. Young

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Richard A. Young is a Professor of Biology, MIT, Boston and a Member of the Whitehead Institute. He focuses on mapping the regulatory circuitry that controls the gene expression programs including cell identity, cell state and differentiation in mice and humans. Defects in gene expression can cause several diseases such as diabetes and cancer. Hence, it is crucial to gain a better knowledge of this circuitry in order to develop new diagnostics and therapeutics using experimental and computational technologies.

Richard A. Young studied Molecular Biophysics and Biochemistry and received his PhD from Yale University. He conducted his postdoctoral research at Stanford University and became a Professor at the Whitehead Institute and the Massachusetts Institute of Technology in 1984.

Richard A. Young has received various recognition including Membership in the National Academy of Science, Yale's Wilbur Cross Medal and the Scientific American recognized him as one of the top 50 leaders in science, technology and business in 2006.