

Barbara Treutlein

Barbara Treutlein performed her PhD in single-molecule biophysics at LMU Munich, Germany. During her Postdoc with Stephen Quake at Stanford University, she pioneered the use of microfluidic-based single-cell transcriptomics to dissect the cellular composition of complex tissues, and to elucidate differentiation pathways during lung development and cell reprogramming. 2015-2018, she was a Max Planck Research Group Leader at the Max Planck Institute for Evolutionary Anthropology in Leipzig and held a tenure-track assistant professorship at TU Munich. Since 2019, Barbara is Professor for Quantitative Developmental Biology at the ETH Zürich D-BSSE, Switzerland. Her group uses and develops single-cell genomics approaches in combination with stem cell based 2- and 3-dimensional culture systems to study human organogenesis. For her work, Barbara has received multiple awards including the Friedmund Neumann Prize of the Schering Foundation, the Dr. Susan Lim Award for Outstanding Young Investigator of the ISSCR as well as the Young Investigator Award of the German Stem Cell Network.