Niko Beerenwinkel studied mathematics, biology, and computer science in Bayreuth, Valladolid, Bonn, and Saarbrücken. He received his diploma degree in mathematics from the University of Bonn in 1999 and his PhD in computer science from Saarland University in 2004. His thesis was honored by the Max Planck Society with the Otto Hahn Medal. Upon graduation, he was awarded the prestigious Emmy Noether fellowship which he used to pursue postdoctoral research at UC Berkeley between 2004 and 2006. He was affiliated with the Program for Evolutionary Dynamics at Harvard University before joining ETH Zurich in 2007. Niko Beerenwinkel's research is concerned with developing mathematical models of complex biosystems and efficient Algorithms for analyzing high-throughput molecular data. His interests range from mathematical foundations of biostatistical models to clinical applications. Current research topics include graphical models, molecular evolution, HIV drug resistance, somatic evolution of cancer, and ultra-deep sequencing of virus populations.