



SECOND INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATIONS AND COOPERATION

Speaker's Biography

Jeff A. Schloss, National Institutes of Health



Program Director for Technology Development Coordination in the Division of Extramural Research at the National Human Genome Research Institute (NHGRI), a component of the National Institutes of Health (NIH). At NHGRI, he manages a grants program in technology development for DNA sequencing and single nucleotide polymorphism (SNP) scoring, and serves the NHGRI Division of Extramural Research and Office of the Director as a resource on genome technology development issues. He led the team that launched the Centers of Excellence in Genomic Science, and initiated a program to foster effective collaborations to validate new sequencing technologies for use in high-throughput laboratories. He currently manages the institute's program to develop technologies with which to sequence an entire human genome for \$1000. He previously served the NHGRI as program director for large-scale genetic mapping, physical mapping, and DNA sequencing projects. Dr. Schloss represents NHGRI on the NIH Bioengineering Consortium, BECON, established in 1997 to foster support for bioengineering research. Schloss served as the chair of BECON from 2001-2004. Among his numerous BECON activities, he co-organized the BECON 2000 symposium on nanotechnology in biomedicine. He represents the NIH on the National Science and Technology Council's (NSTC) subcommittee on Nanoscale Science, Engineering and Technology (NSET), planning for the National Nanotechnology Initiative. He also co-chairs the working group for the NIH Nanomedicine Roadmap Initiative. Dr. Schloss has worked with local high school students, teaching about DNA sequencing and the ethical and societal implications of Human Genome Project. Before coming to NIH in 1992, Dr. Schloss served on the biology faculty at the University of Kentucky. He earned the B.S. degree with honors from Case Western Reserve University, the Ph.D. in Cell Biology from Carnegie-Mellon University, and conducted postdoctoral research at Yale University. Dr. Schloss's research in cell and molecular biology included the study of non-muscle cell motility and regulation of mRNA expression.