

## XXVIII Congress of the International Society for Advancement of Cytometry

## Roger Tsien University of California

Roger Y. Tsien received an A.B. in Chemistry and Physics from Harvard College in 1972, then received his Ph.D. in Physiology from the University of Cambridge in 1977, where he remained as a Research Fellow until 1981. He then became an Assistant, Associate, then full Professor in the Dept. of Physiology-Anatomy at the University of California, Berkeley. In 1989 he moved to the University of California, San Diego, where he is an Investigator of the Howard Hughes Medical Institute and Professor in the Depts. of Pharmacology and of Chemistry & Biochemistry. He is a member of the National Academy of Sciences and a foreign member of the Royal Society. Dr. Tsien's research has been at the interfaces between organic chemistry, cell biology, and neurobiology. He is best known for designing and building molecules that either report or perturb signal transduction inside living cells. His work on fluorescent proteins was recognized by numerous honors culminating in a Nobel Prize in Chemistry in 2008. His current research is focused on dissecting neural circuits and synaptic plasticity, as well as developing new ways to target contrast agents and therapeutic agents to tumor cells based on their expression of extracellular proteases.