



**Paul W. Todd, Ph.D.**  
**Chief Scientist**

Prior to joining SHOT as chief scientist three years ago, Dr. Paul Todd served as, in chronological order, Lecturer in the Department of Physics, University of California, Professor of Biophysics at Penn State University (20 years) where he also served as chairman of the graduate program in genetics, founding director of Philadelphia's Bioprocessing and Pharmaceutical Research Center (a NASA Center of Excellence in Microgravity Research), Physicist, National Institute of Standards and Technology, and Research Professor of Chemical Engineering at the University of Colorado (10 years) where he also

served as Associate Director of BioServe Space Technologies (a NASA Center for Space Commercialization).

He received his education at Bowdoin College, Harvard University, MIT, University of Rochester and University of California. He co-edited eight books or proceedings in the fields of bioprocessing and of space research and recently co-authored a textbook in bioprocess engineering (bioseparations). He was founding chairman of USRA Science Working Group in Microgravity Biotechnology, served on DOE's Health and Environmental Research Advisory Committee and chaired the Microgravity Subcommittee of the NRC's Space Applications Board. He is co-author of 290 scientific papers, co-inventor on five issued patents and co-investigator of microgravity experiments on more than 20 space shuttle missions in addition to experiments using drop tower, sounding rockets and low-gravity aircraft.

