

Biography of Professor Rocky S. Tuan

Born in Hong Kong, Professor Rocky S. Tuan is a world-renowned biomedical scientist specialising in stem cell science and regenerative medicine. He is currently Distinguished Professor and Executive Vice-Chairman in the Department of Orthopaedic Surgery, Arthur J. Rooney, Sr. Chair in Sports Medicine, Director of the Center for Cellular and Molecular Engineering, Founding Director of the Center for Military Medicine Research, Associate Director of the McGowan Institute for Regenerative Medicine, and Professor in the Department of Bioengineering, at the University of Pittsburgh.

Professor Tuan is well acquainted with higher education and academic research in Hong Kong. He previously served as a member, then Chairman, of the Biology and Medicine Panel of the Research Grants Council. Since 2016, Professor Tuan has been serving as Distinguished Visiting Professor and Director of the Institute for Tissue Engineering and Regenerative Medicine at CUHK.

Professor Tuan received his PhD in 1977 from the Rockefeller University in New York, under the mentorship of the late Zanvil A. Cohn, MD. His postdoctoral research fellowship was at Harvard Medical School in Boston, first with Melvin J. Glimcher, MD, in the Department of Orthopaedic Surgery at the Children's Hospital, and then from 1978 to 1980 with Jerome Gross, MD, in the Developmental Biology Laboratory at the Massachusetts General Hospital. In 1980, Professor Tuan began his academic faculty career by joining the Department of Biology, University of Pennsylvania in Philadelphia. In 1988, Professor Tuan moved to Thomas Jefferson University, Philadelphia, to be the Director of Orthopaedic Research and Professor and Vice Chairman in the Department of Orthopaedic Surgery with a joint professorial appointment in the Department of Biochemistry and Molecular Biology. From 1992-1995, Professor Tuan was the Academic Director of the MD/PhD program at Jefferson, and in 1997, he established the USA's first Cell and Tissue Engineering PhD program at Jefferson, with the mission of training the next generation of "cross-cultural" biomedical scientists committed to regenerative medicine and the development of functional tissue substitutes.

In 2001, Professor Tuan was recruited by the Intramural Research Program of the National Institute of Arthritis, and Musculoskeletal and Skin Diseases (NIAMS), National Institutes of Health (NIH), as Chief of the newly created Cartilage Biology and Orthopaedics Branch. In 2004, Professor Tuan's contribution to stem cell biology and regenerative medicine was recognized by the Marshall Urist Award for Excellence in Tissue Regeneration Research. In 2009, Professor Tuan joined the University of Pittsburgh and has since held a number of positions at the University.

Professor Tuan has authored over 450 research publications, has lectured extensively, and is currently Editor of the developmental biology journal, *Birth Defects Research*, and the Founding Editor-in-Chief of *Stem Cell Research and Therapy*.