

## 段崇智教授簡歷

段崇智教授於香港出生，為享譽國際的生物醫學專家，專注於幹細胞及再生醫學方面的研究。他現為美國賓夕凡尼亞州匹茲堡大學骨科手術系傑出教授兼常務副系主任、Arthur J. Rooney, Sr. 運動醫學講座教授、細胞及分子工程中心總監、軍事醫學研究中心首任總監、McGowan 再生醫學研究院助理總監以及生物工程學系教授。

段教授熟稔香港高等教育與學術研究，曾出任研究資助局生物及醫學學科小組的成員和主席，並於 2016 年起出任中大傑出訪問教授及擔任組織工程與再生醫學研究所所長。

1977 年，段教授在著名細胞生物及免疫學家 Zanvil A. Cohn, MD 的指導下，取得美國紐約洛克菲勒大學博士學位，其後他到哈佛大學醫學院擔任博士後研究員，先後師從兒童醫院整形外科部的 Melvin J. Glimcher, MD 及馬薩諸塞州總醫院發展生物學實驗室的 Jerome Gross, MD。1980 年，段教授加入賓夕法尼亞大學生物系，開始教學及研究工作。1988 年，他轉往托瑪士傑佛遜大學出任骨科研究主管兼骨科手術系副主任及教授，同時亦為生物化學及分子生物學教授。於 1992 至 1995 期間，段教授擔任該校 MD/PhD 課程的學術總監，並在 1997 年成立美國首個細胞及組織工程 PhD 課程，致力培育再生醫學和替代功能組織的「跨文化」生物醫學人才。

段教授於 2001 年受聘於國立衛生研究院 (NIH)，關節炎和肌肉與骨骼和皮膚病國家學院 (NIAMS) 院內研究程組，擔任軟骨生物學及骨科分部首任主管。他多年來在「組織再生研究」領域取得驕人成果，令他於 2004 年獲得骨科研究學會頒發「Marshall Urist Award for Excellence in Regeneration Research」獎項。自 2009 年，段教授加入匹茲堡大學出任多個職位。

段教授發表的研究論文總數超過四百五十篇，並經常擔任講座講者。段教授同時是醫學雜誌「BDRC: Embryo Today」的編輯和「Stem Cell Research and Therapy」的首任總編輯。

### **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.