SHORT BIOGRAPHY (133 words)

Santiago Schnell, DPhil (Oxon), FRSB, FRSC, FRSM
Santiago Schnell is the Provost and Professor of Mathematics at Dartmouth, with adjunct appointments in Biochemistry & Cell Biology and Biomedical Data Science at the Geisel School of Medicine. He earned his DPhil in Mathematics from the University of Oxford, where he was a Junior Research Fellow at Christ Church and a Senior Research Fellow of the Wellcome Trust at the Wolfson Centre for Mathematical Biology.

An internationally recognized mathematical biologist, Prof. Schnell is renowned for developing the Schnell-Mendoza equation and advancing quantitative models of the polymerase chain reaction (PCR). His research focuses on the molecular continuum between health and disease. He is a member of the American Academy of Sciences & Letters and a fellow of several prestigious scientific societies. He has also served as President of the Society for Mathematical Biology.

SHORT BIOGRAPHY (464 words)

Santiago Schnell, DPhil (Oxon), FRSB, FRSC, FRSM
Prof. Santiago Schnell is a distinguished scientist and academic leader. He earned his undergraduate degree in biology from Universidad Simón Bolívar in Venezuela and completed his doctorate in mathematics at the University of Oxford in 2003. At Oxford, he held esteemed research positions as a Junior Research Fellow at Christ Church and a Senior Research Fellow of the Wellcome Trust at the Wolfson Centre for Mathematical Biology.

In 2004, Prof. Schnell began his academic career in the United States as an Assistant Professor of Informatics at Indiana University. He joined the University of Michigan in 2008, where he served in the Departments of Molecular & Integrative Physiology and Computational Medicine & Bioinformatics. Promoted to full professor in 2015, he was named the John A. Jacquez Collegiate Professor of Physiology in 2016. From 2017 to 2021, he chaired the Department of Molecular & Integrative Physiology, leading it to become the top NIH-funded physiology department in the nation. From 2021 to 2025, he served as the William K. Warren Foundation Dean of the College of Science at the University of Notre Dame, overseeing five departments and 14 centers and institutes, and helping to raise over $140 million for education, research, and infrastructure projects.

Currently, Prof. Schnell is the Provost and Professor of Mathematics at Dartmouth College, with adjunct appointments in Biochemistry & Cell Biology and Biomedical Data Science at the Geisel School of Medicine. As Provost, he oversees Dartmouth's academic strategy and operations, advances programs, teaching, and scholarship across the institution, encompassing the School of Arts and Sciences, the Geisel School of Medicine, the Guarini School of Graduate and Advanced Studies, the Thayer School of Engineering, and the Tuck School of Business.

Prof. Schnell's research focuses on the molecular continuum between health and disease. He is particularly known for developing the Schnell-Mendoza equation, a streamlined method for estimating enzyme kinetic constants, widely used in both research and clinical laboratories. His

contributions to the quantitative modeling of the polymerase chain reaction (PCR) have enhanced the efficiency and accuracy of this essential technique in molecular biology, diagnostics, and forensic science

In recognition of his scientific and educational contributions, Prof. Schnell has received numerous honors. He is a member of the American Academy of Sciences and Letters, an Emerging Leader in Health and Medicine of the U.S. National Academy of Medicine, and a recipient of the Arthur Winfree Prize. He is also a Fellow of the Royal Society of Chemistry, the American Association for the Advancement of Science, the Society for Mathematical Biology, the Latin American Academy of Sciences, the Royal Society of Medicine, and the Royal Society of Biology. He has served as President of the Society for Mathematical Biology and on the editorial boards of leading scientific journals, underscoring his dedication to advancing scientific knowledge and mentorship.