SHORT BIOGRAPHY (127 words)

Santiago Schnell, DPhil (Oxon), FRSB, FRSC
Santiago Schnell is the William K. Warren Foundation Dean of the College of Science at the University of Notre Dame, where he also holds professorships in Biological Sciences and Applied & Computational Mathematics & Statistics. He received his DPhil in Mathematics from the University of Oxford and has held prestigious research positions at Christ Church and the Wellcome Trust.

Prof. Schnell is internationally renowned for his contributions to enzyme kinetics, particularly for developing the Schnell-Mendoza equation and advancing the standard quantitative model of PCR. His work is widely recognized in the life sciences, and he has received numerous honors, including election to the American Academy of Sciences & Letters and fellowships in several prestigious societies. He has also served as President of the Society for Mathematical Biology.

SHORT BIOGRAPHY (454 words)

Santiago Schnell, DPhil (Oxon), FRSB, FRSC
Prof. Santiago Schnell is a distinguished scientist and academic leader with a remarkable career. 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 the United Kingdom in 2003. During his time at Oxford, Prof. Schnell held two highly regarded research positions: Junior Research Fellow at Christ Church and Senior Research Fellow of the Wellcome Trust at the Centre for Mathematical Biology, from 2002 to 2004.

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 faculty in 2008 as an Associate Professor in the Departments of Molecular & Integrative Physiology and Computational Medicine & Bioinformatics. He was promoted to full professor in 2015 and appointed as the John A. Jacquez Collegiate Professor of Physiology in 2016. From 2017 to 2021, he served as Chair of the Department of Molecular & Integrative Physiology, leading it to become the top NIH-funded department in the nation and one of the world's leading physiology departments. Since September 1st, 2021, Prof. Schnell has been the William K. Warren Foundation Dean of the College of Science at the University of Notre Dame. He also holds professorships in Biological Sciences and Applied & Computational Mathematics & Statistics.

Internationally renowned for his groundbreaking research, Prof. Schnell has significantly advanced the understanding of enzyme-catalyzed reactions. He is particularly recognized for developing the Schnell-Mendoza equation, a powerful and streamlined method for measuring enzyme physical constants in both basic science and clinical laboratories. The Schnell-Mendoza equation has been widely adopted in enzyme kinetics and pharmacology education and is featured in numerous undergraduate and graduate textbooks. Additionally, Prof. Schnell is recognized for his contributions to the standard quantitative model of the Polymerase Chain

Reaction (PCR), an essential technique in life sciences, medical diagnostics, and forensic science.

In recognition of his exceptional research and dedication to teaching, Dr. Schnell has received multiple prestigious awards. He is a member of the American Academy of Sciences and Letters, an Emerging Leader (Forum) in Health and Medicine of the U.S. National Academy of Medicine, and a recipient of the esteemed Arthur Winfree Prize, one of the most distinguished awards for theoreticians in the life sciences. Furthermore, Dr. Schnell is 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 also served as President of the Society for Mathematical Biology and on the editorial boards of top scientific journals, demonstrating his commitment to the advancement of scientific knowledge.