

Latinxs and Hispanics in Mathematical Sciences



Santiago Schnell

Santiago Schnell is Professor of Molecular & Integrative Physiology and Computational Medicine & Bioinformatics at the University of Michigan Medical School. He is also a William K. Brehm Investigator at the same university. He received a M.Sc. in Biology from Universidad Simón Bolívar (Venezuela), and then a doctorate in Mathematical Biology from the University of Oxford (UK). Santiago held two prestigious research positions at the University of Oxford: Junior Research Fellow at Christ Church (a college of Oxford), and Senior Research Fellow of the Wellcome Trust at the Centre for Mathematical Biology. Prior to joining the University of Michigan, he was the Associate Director of the Biocomplexity Institute at Indiana University. He currently serves on the editorial boards of *Mathematical Biosciences*, *Current Opinion in Systems Biology*, and *Cancer Research*. He is a member of the Educational League of Excellence at the University of Michigan Medical School, and received the Indiana University Faculty Award for Teaching Excellence and the University of Michigan Endowment for Basic Science Teaching Award. He is a recipient of the 21st Century Scientist Award from the James S. McDonnell Foundation, and is an elected Fellow of the Royal Society of Chemistry. Presently, he serves as the President for the Society of Mathematical Biology.

Santiago is a mathematical scientist investigating complex biomedical systems in which modeling and theory aid in the identification of the key mechanisms underlying the behavior of a system as a whole. In his research, Santiago does not constrain himself to mathematical formalisms, but instead determines suitability based on the biomedical application under consideration.

His primary research contributions have been developing new approaches for measuring the kinetic parameters of biochemical reactions, and reworking generally-accepted theories of enzyme action and protein aggregation. Santiago's long-term research goal is to continue using mathematical, computational, and statistical methods to develop quantitative approaches to investigate the behavior of biochemical reactions and biomedical complex systems.

“Every year the Hispanic Heritage Month provides the opportunity to highlight the achievements of Hispanic Americans who continue to make a positive influence and enrich our nation. With each achievement showcased today comes the great responsibility to exceed expectations in the future for the next generation of Hispanic Americans.”

Lathisms was founded in 2016 in order to showcase the contributions of Latinx and Hispanic mathematicians during Hispanic Heritage Month, which is celebrated in the United States from September 15 and October 15 every year. During this time, we feature/reveal a prominent Latinx/Hispanic mathematician daily. See all the featured mathematical scientists at LATHISMS.ORG.

Thanks to the American Mathematical Society and the Mathematical Association of America for support of Lathisms.