

Assistant Professor of Biomathematics at San Diego State University

The Department of Mathematics and Statistics at SDSU has an open position in Biomathematics at the assistant professor level. Exceptional candidates may be considered for higher rank. The successful candidate will develop original research in mathematical biology, which complements SDSU areas of excellence in quantitative biology. The area of specialty is open and may include complex biological systems, theoretical and computational biophysics, computational biology, population dynamics, epidemiology, or mathematical physiology to name a few. He/She will have a strong record of research accomplishments, employ state-of-the-art approaches in biomathematics, have experience collaborating with researchers in other disciplines, show a strong ability writing grants, have a solid plan for extramural funding. He/She is also expected to demonstrate an ability to teach a wide variety of courses at the undergraduate and graduate level in mathematics and applied mathematics.

New techniques in biophysics and molecular biology are transforming biology and biomedicine into stronger quantitative disciplines. The complexity of biological systems, however, requires new mathematical and computational approaches to accurately analyze, predict, and understand the rapid growth of biological data. In recent years, SDSU has pursued an ambitious expansion in several research areas of excellence that rely on quantitative biology. To sustain and reinforce the lead in these disciplines, SDSU aims to incorporate new talented faculty with a strategic vision in modern applications of Biomathematics.

Successful candidates are expected to develop an active relationship with members in the Department of Mathematics and Statistics as well as the Computational Science Research Center. He/She should also establish collaborations across campus, which may include SDSU centers of excellence like the Viral Information Institute (<http://viralization.org/>), Center for Clinical and Cognitive Neuroscience (<https://slhs.sdsu.edu/ccn/>), Center for Sensorimotor Neural Engineering (<http://www.csne-erc.org/>), or Center for Human Dynamics in the Mobile Age (<http://humandynamics.sdsu.edu/>). The candidate is expected to mentor students in interdisciplinary Master and PhD programs such as Mathematics, Biology, Bioengineering, Computational Science, and Statistics.

SDSU is a large, diverse, urban university and Hispanic-Serving Institution with a commitment to diversity, equity, and inclusive excellence. Our campus community is diverse in many ways, including race, religion, color, sex, age, disability, marital status, sexual orientation, gender identity and expression, national origin, pregnancy, medical condition, and covered veteran status. We strive to build and sustain a welcoming environment for all. SDSU is seeking applicants with demonstrated experience in and/or commitment to teaching and working effectively with individuals from diverse backgrounds and members of underrepresented groups.

This position may also be eligible for the SDSU Building on Inclusive Excellence (BIE) hiring program that creates additional faculty lines for candidates who meet two or more of the criteria listed in <http://sdsu-bie.weebly.com/>. To be considered for one of these additional BIE hires, candidates should identify in their letter of application how they meet two or more of the criteria.

The person holding this position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

SDSU is a Title IX, equal opportunity employer and does not discriminate against persons on the basis of race, religion, national origin, sexual orientation, gender, gender identity and expression, marital status, age, disability, pregnancy, medical condition, or covered veteran status.

Applicants should apply via Interfolio at <https://apply.interfolio.com/36537>. Review of applications will begin November 7, 2016 and will continue until the position is filled. Incomplete applications are not guaranteed full consideration. Please direct any questions to the Search Committee Chair, Vadim Ponomarenko, at vponomarenko@mail.sdsu.edu. The appointment will start in Fall 2017.