Postdoctoral Researcher at UNC-Chapel Hill

Postdoctoral Researcher Position:

Dr. Tanya Garcia is currently recruiting a highly motivated postdoctoral researcher with a recent PhD in Statistics or Biostatistics to join her lab in the Dept. of Biostatistics at UNC-Chapel Hill. The postdoc will receive one-on-one mentorship from Dr. Garcia, a recipient of the 2024 Landis Award for Outstanding Mentorship from the National Institutes of Health (NIH). The postdoc will also collaborate closely with Dr. Garcia's long-time colleagues: Dr. Yanyuan Ma, a fellow of the American Statistical Association and the Institute of Mathematical Statistics, and Dr. Karen Marder, a world-renowned expert in neurodegenerative diseases. Learn more about working with this team here.

Celebrating the submission of our paper at ParTEE Shack!

This is a 2-year postdoc position (subject to satisfactory progress) with a salary of $65,000/year, along with fringe and benefits. Applications from all researchers are welcomed, and especially those from underrepresented groups.

Duties and Responsibilities:

The postdoc will develop statistical methods and open-source software/tools for a NIH-funded research project that is focused on estimating the disease course for neurodegenerative diseases while bypassing modeling errors. These estimates can help researchers identify when an experimental therapy could slow disease progression and design a well-powered clinical trial to test that therapy. The postdoc will join a team of lab members dedicated to achieving that goal.

The postdoc will write multiple peer-reviewed manuscripts as the first author, present their work at national conferences, and gain leadership and mentoring skills by collaborating with student trainees in the lab.

Training Opportunities:

- Training in developing and writing high-impact, first-author methodological and applied statistical papers.
- Training in a step-by-step process to map out, strategize, and execute research ideas.
- Training in developing and writing your own research grant proposals.

Required Technical Skills:

- Expertise in semiparametric/nonparametric methods. (Additional experience in longitudinal data analysis and survival analysis is advantageous).
- Ability to develop statistical methods and derive their theoretical properties.
- Ability to implement, test, and document statistical methods in R. (Additional experience in C++, Fortran, and/or Python is welcome.)
- Ability to write scientific research papers with substantive applications (publication record in peer-reviewed journals is advantageous).

Preferred Interpersonal Traits:

- You are open to feedback and act on it.
- You are curious and enjoy learning.
- You are organized.
- You are self-motivated, driven, and enjoy collaboration.

How to Apply: Please email the following material to tpgarcia@email.unc.edu:

- Your Curriculum Vitae.
- A one-page cover letter stating your qualifications and why you are interested in this position.
- A writing sample (e.g., a published paper, preprint or a manuscript draft).
- Names and contact information of three references. Please also state the nature of your work relationship with these people.