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Postdoctoral Associate Announcement : Atomic Force Microscopy Developer

Dr. Simon Scheuring at Weill Cornell Medicine in New York City has openings for several Postdoctoral Associate positions in his laboratory. Research in the Scheuring Lab focuses on the development and application of atomic force microscopy (AFM) based technologies for the analysis of the structure and dynamics of ion channels and transporters. The lab is known for pioneering high-speed AFM techniques geared towards taking movies of unlabeled biomolecules in action [1,2]. Most recently, we developed novel methods that allow to probe sub-millisecond dynamics of membrane proteins [3,4] and to calculate super-resolution AFM maps of protein conformations [5].

We seek candidates with strong background and track record in:

Atomic force microscopy hardware development and/or software-hardware interfacing for the development of novel modes, data analysis and theory

To apply, send a tailored cover letter detailing your interest in the position, your CV including publication record, and the contact information for three references to Dr. Scheuring (sis2019@med.cornell.edu) by August 31, 2021.

NOTES:

Salary: This position is supported by NIH funding and will be paid according to NIH and WCM pay scale.
Weill Cornell Medicine: WCM is located in Manhattan and provides housing opportunities for postdoctoral associates.
Further information about the lab can be found: www.ScheuringLab.com / Twitter: @ScheuringLab

READING:

- [1] PNAS, 2018, 115 (41) 10333-10338. doi.org/10.1073/pnas.1805621115
- [2] Nature, 2019, 573(7773):230–234, doi. 10.1038/s41586-019-1499-2
- [3] Nature Communications, 2018, 9(1):4983. doi:10.1038/s41467-018-07512-3
- [4] Nature Communications, 2020, 11(5016), doi.org/10.1038/s41467-020-18811-z
- [5] Nature, 2021, 594(7863):385–390, doi:10.1038/s41586-021-03551-x