



Postdoctoral position

Centrosome biology & Advanced Microscopy

Where: A funded postdoctoral position is available immediately in group headed by Dr. Jadranka Loncarek, Centrosome Section of the Laboratory of Protein Dynamics and Signaling laboratory, at National Cancer Institute (NCI)'s Center for Cancer Research, Frederick, Maryland, USA.

About Loncarek Lab: We are a basic research lab that studies fundamentals of centriole and centrosome biology. Centrosomes are cellular organelles that mediate vital cellular processes such as cell division, signaling, motility and development. Their aberrations are a hallmark of tumors and cilia related diseases. We aim to elucidate how centriole and centrosome biogenesis is controlled and coordinated with other cell cycle events in healthy and pathological conditions. We are eager to understand how centrioles and centrosomes are organized in nanoscale resolution. In our work, we combine biochemistry, genetics, proteomics, and cutting-edge microscopy approaches such as live-cell and super resolution microscopy (SIM, STED, STORM), expansion microscopy, and transmission electron microscopy. For more info visit <https://ccr.cancer.gov/laboratory-of-protein-dynamics-and-signaling/jadranka-loncarek>

Postdoc Topic and benefits: The successful applicant will investigate molecular mechanisms that control centriole biogenesis and their conversion to centrosomes. Additionally, they will join our effort to dissect centrosome architecture in nanoscale resolution. The fellow will highly benefit from comprehensive training in cell biology, advanced microscopy, and scientific writing, and from working in a dynamic and collaborative group with an extensive network of domestic and international collaborators. NIH offers excellent salary and health package to its trainees.

Qualifications:

Applicants must have a Ph.D. and/or M.D. degree (or anticipate receiving the degree in the near future) with less than two years of postdoctoral experience.

Applicants should have the ability to carry out independent research, and a strong interest in centriole/cell biology and microscopy.

Applicants should be self-driven, analytical, and with good communication and problem-solving skills.

Training in molecular biology, genetics, biochemistry, or mammalian cell culture is preferred.

To apply: Please send your CV, Statement of Interest and three references to jadranka.loncarek@nih.gov. Please write 'Postdoctoral application' in the subject heading.

About NCI's Center for Cancer Research: The Center for Cancer Research (CCR) is an intramural research component of the National Cancer Institute (NCI). CCR's infrastructure facilitates basic and clinical studies and provides extensive opportunities for collaboration and allows scientists and clinicians to undertake high-impact laboratory- and clinic-based investigations. Investigators are supported by a wide array of intellectual, technological and research resources. For an overview of CCR, please visit <http://ccr.cancer.gov/>.

This position is subject to a background investigation. The NIH is dedicated to building a diverse community in its training and employment programs.