# Post-Doctoral Position – Brambati Lab

http://brambatilab.com/




A post-doctoral position is available in our laboratory in the Department of Pharmacology at the University of Colorado Anschutz Medical Campus in sunny Colorado (Aurora, Denver area).

Research in the Brambati Lab focuses on understanding the molecular mechanisms of DNA double-strand break repair and their impact on genome integrity and evolution. We investigate how alternative repair pathways, particularly microhomology-mediated end-joining and RNA-templated DSB repair, contribute to chromosome stability, genome plasticity, and cellular adaptation. Our work combines molecular biology, genomics, and biochemical approaches to characterize these non-canonical repair mechanisms across different cellular contexts, including mitosis and post-mitotic cells. We aim to elucidate the physiological roles of these pathways in genome maintenance, their evolutionary significance, and their implications in human disease.

We are looking for a motivated scientist who wants to do rigorous, creative work in a collaborative and supportive environment. The lab is young and growing, with close mentorship and opportunities to develop an independent research direction.

Applicants should hold a PhD in genetics, cell biology, biochemistry, or molecular biology. Experience in molecular biology techniques and/or imaging is a plus. A first-author publication will be prioritized. The position is available immediately and funding is guaranteed for three years.

If you are interested, send a cover letter describing your scientific background and research interests, a CV with a list of publications, and contact information for three references to alessandra.brambati@cuanschutz.edu. Applications will be reviewed on a rolling basis until the position is filled.