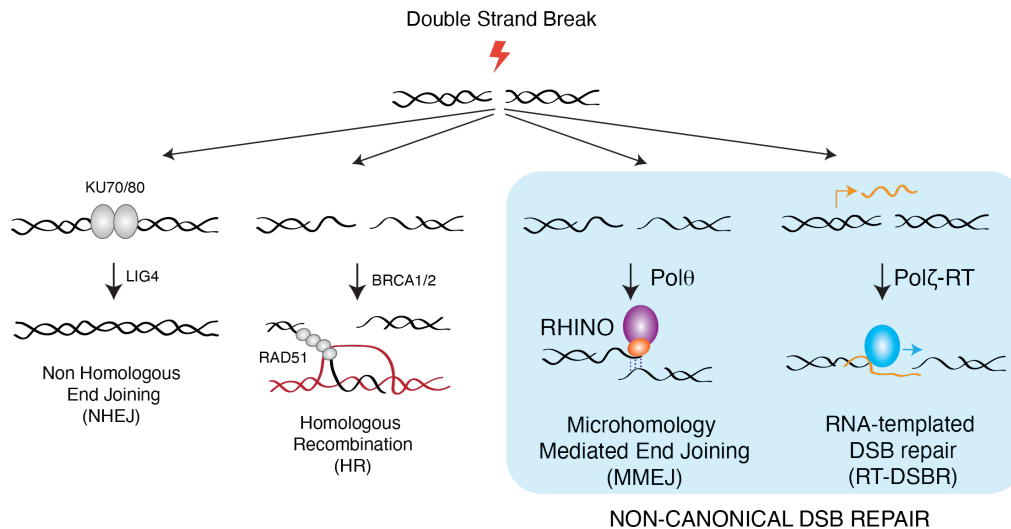


Post-Doctoral Position – Brambati Lab

<http://www.brambatilab.com/>



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

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.

Applicants should hold a **PhD** in a relevant research area such as genetics, cell biology, biochemistry, or molecular biology. Strong background in molecular biology techniques and/or imaging is desirable. Experience with DNA repair mechanisms or genomics is advantageous but not required. The position is available immediately, with a preferred start date in Spring 2026. Funding is guaranteed for three years.

Interested candidates should send a cover letter describing their 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.