

Postdoctoral Fellowship, Smit Lab

A postdoctoral position is available in the Smit lab at the Institute for Systems Biology. The lab is focused on the study of Transposable Element (TE) biology, and evolution using the latest developments in sequence modeling, phylogenetic reconstruction, and homology detection. We have developed some of the most widely used tools and databases for the study of TEs including RepeatMasker, RepeatModeler, the Repeat Protein Database, and Dfam.

The position offers an opportunity to help shape the future of the new Dfam community resource in collaboration with the Wheeler lab at the University of Montana, and through a partnership with the NIH. The project will involve investigating and advancing de novo methods for the generation of TE libraries, development of improved methods for classifying new TE families, design of quality metrics and standards for TE modeling, providing TE family curation assistance to the research community and building/studying TE families in a unique set of newly sequenced species.

Job Requirements: Applicants should hold (or will shortly be awarded) a PhD degree and have experience in TE biology, and genomics. Prior experience with TE library generation/curation, genome biology, and genome evolution are considered a major advantage. Candidates should have strong communication and data analysis skills, and an established record of principal authorship in peer-reviewed publication(s). The successful candidate is passionate about science, motivated, proactive and able to work in a team.

If you're interested in joining the lab, please upload your CV with a brief description of your current research as well as 2-3 contacts for references at <https://systemsbiology.org/about/careers/>.