

Postdoctoral position

Mechanisms of RNA editing in Trypanosomes.

We are seeking scientist with interests and expertise in molecular parasitology for a project on RNA editing in Trypanosomes. This project is focused on the multiprotein complexes that perform this essential posttranscriptional recoding of mitochondrial mRNAs in kinetoplastid parasites.

Complementary genetic, molecular, cellular, structure/function, and informatic methods are being used to analyze the functions of the catalytic and non-catalytic protein components of the complexes as well as their interactions with each other, with other complexes, and RNA substrates. This includes analysis of the differential editing which controls the changes in the composition and function of cellular energy generating systems between life cycle stages. The studies are elucidating fundamental aspects of eukaryotic RNA processing and are identifying potential drug targets for neglected tropical diseases caused by these parasites.

The research is conducted in the dynamic South Lake Union research environment of Seattle which provides extensive interactions among scientists who are at Seattle Children's Research Institute, Fred Hutchinson Cancer Research Center, University of Washington School of Medicine and other research institutions, all of which are closely located.

This position requires a Ph.D. or equivalent biomedical degree and expertise, along with a strong interest and motivation in the relevant areas.

Send expression of interest and CV to: stuartlab.schedule@seattlechildrens.org

Required Education/Experience:

- Doctorate degree (PhD/DVM/MD) in specialty area from an accredited university training program
- Experience using basic research techniques of specialty area

Preferred:

- Previous experience conducting research in immunology and/or molecular biology
- Experience in lab protocol and manuscript and grant proposal development