

POSTDOCTORAL RESEARCH ASSOCIATE POSITION IN VIRAL DYNAMICS AND IMMUNE SYSTEM MODELING

Theoretical Biology and Biophysics Group,
LOS ALAMOS NATIONAL LABORATORY

with Alan Perelson and Ruy Ribeiro

Summary: We are offering a postdoctoral level position to pursue research in mathematical and theoretical biology, with an emphasis on problems in viral dynamics and immune system modeling. Our group's interests span a wide range from basic immunology, cell and molecular biology to treatment of viral infections. We develop models in collaboration with experimental scientists that generate new insights into the dynamics of viral infections, the immune response and virus-immune system interactions. We have standing collaborations with many experimental immunologists and clinicians, and help them develop new experiments, interpret their data and generate new hypotheses about the biology. Much of our current work and available data involves hepatitis C infection, HIV/SIV infection, and influenza infection although we also have projects involving West Nile virus, Theiler's murine encephalomyelitis virus and others. We are very interested in helping to find a cure or vaccine for AIDS and optimal drug therapy for HCV.

Skills: We are looking for enthusiastic scientists with mathematical and statistical skills, and a strong interest in immunology and/or viral dynamics. Preference will be given to candidates with research experience in the core areas of the group's research; a track record of publications; and commitment to work to the high LANL standards, including attending required training. The candidate should have good programming skills, good working knowledge of one or more mathematical or statistical packages (e.g., Mathematica, MatLab, R, ...) and excellent English (both written and oral).

Education: A PhD degree within the last 5 years (at the date of appointment). The specific subject of one's PhD degree is not restrictive, but usually a PhD in applied mathematics, statistics, computer or computational science, or mathematical biology is appropriate.

Benefits: Los Alamos National Laboratory offers a generous and comprehensive benefits package and current salary guidelines start at ~US\$70,000, with adjustments for experience and time since PhD. This position is initially for two years, with the possibility to renew for a third year. We are always interested in hearing from excellent candidates, who may be considered for special Laboratory Fellowships. For more general information about the postdoctoral program at Los Alamos, please visit the Laboratory's web pages at <http://www.lanl.gov>, or the Postdoctoral Program web pages at <http://www.lanl.gov/careers/career-options/postdoctoral-research/postdoc-program/index.php>.

Application Procedure: For initial consideration for this position and more details about the scientific areas of research, send an e-mail including your CV and brief statement of interest to asp@lanl.gov or ruy@lanl.gov. We will reply to those candidates whose applications we are interested in pursuing further. After initial screening, transcripts and 3-4 letters of recommendation may be requested, followed by an interview (preferably at LANL).

This position is opened until filled; subject to funding availability and eligibility for employment. Only the Laboratory's Human Resources Department can make an offer of employment. Start date is negotiable. Los Alamos National Laboratory is an equal opportunities employer, and all interested parties are encouraged to apply.