



Position Available: Post-Doctoral Scientist in Molecular Parasitology

The Lindner Lab at Penn State University (<http://sites.psu.edu/LindnerLab/>) is recruiting an outstanding post-doctoral scientist to become a part of our efforts to characterize the mechanisms of transmission and infectivity of malaria parasites (*Plasmodium spp.*) between mammals and mosquitoes. The Lindner Lab uses cutting edge approaches to conduct discovery phase research with the aim of identifying weaknesses in the parasite that can be exploited therapeutically. To date our work has focused upon protein-RNA interactions that lead to translational repression of targeted mRNAs and a preferred RNA homeostasis, which are critical for efficient transmission and infectivity (See PMID 23325771 and 23421981). We are currently seeking a post-doctoral scientist who will focus upon discovering the mechanism(s) of action of these complexes in mouse-infective *Plasmodium* species.

We are looking for Ph.D.-level candidates (or those who will receive their degree in the next 4-6 months) who are well trained in a related field (e.g. molecular biology, cell biology, biochemistry, structural biology, microbiology, parasitology). Candidates will have at least two first-author papers in peer-reviewed journals (either published or accepted), will have strong experience in basic molecular biology and microbiology techniques, and will be willing to work with mice and mosquitoes. Above all, candidates must have a strong work ethic, superb organizational skills, and a keen attention to detail in order to be successful in this position. Preferred candidates will have experience in some of the following areas: working with mice/mosquitoes, working in tissue culture, working in structural biology (x-ray crystallography, computational approaches), working with eukaryotic parasites (e.g. *Plasmodium*, *Toxoplasma*, *Trypanosoma*), and/or working with "Big Data" experiments (NGS, Mass Spec, data management).

The Lindner Lab is part of the Department of Biochemistry and Molecular Biology at the main campus of Penn State University (University Park, PA), and is outfitted with several exceptional core facilities, including a world-class insectary. We are also a part of the Center for Malaria Research (CMaR) at Penn State, which is a collaborative community of 12 research groups that investigate the entire life cycle of the parasite, as well as host-parasite interactions. We are also a part of the Center for Infectious Disease Dynamics (CIDDD) and Center for Molecular Immunology and Infectious Disease (CMIID) to contribute to / benefit from our colleagues who are pursuing other pathogens and experimental strategies. The successful candidate will be offered competitive salary and benefits packages, as well as considerable professional development opportunities.

To apply for this position, please send a letter of interest, along with your CV, a brief description of your career goals, and the names and contact information for three scientific/professional references to [Scott.Lindner@psu.edu](mailto:Scott.Lindner@psu.edu). Penn State Job ID: 42398.