

Staff Scientist

The National Institute of Allergy and Infectious Diseases (NIAID) conducts and supports a global program of research to better understand, treat, and ultimately prevent infectious, immunologic, and allergic diseases. NIAID's Laboratory of Immunology, Lymphocyte Biology Section (LBS)/Program in Systems Immunology and Infectious Disease Modeling (PSIIM) has an opening for a staff scientist with expertise in optical imaging.

LBS/PSIIM's aim is to create a detailed understanding of immune responses to foreign pathogens or self antigens, as well as to develop new tools for predicting how the immune system will respond if perturbed, for example, by a vaccine. The laboratory uses optical imaging involving both 2-photon and confocal instruments in pursuing these goals (www.niaid.nih.gov/labs/aboutlabs/li/lymphocyteBiologySection/germain.htm).

The successful applicant will have primary responsibility for maintaining and operating four distinct 2-photon instruments (a custom dual laser, resonant scanner device; a Zeiss 510; a Zeiss 710; and a BioRad radiance 2100), two of which are also fully equipped confocal instruments. The successful applicant will work with LBS/PSIIM postdoctoral fellows in conducting their imaging studies as well as with staff from collaborating laboratories. Resources will be available to upgrade and modify these instruments, to acquire new instruments, and to develop novel imaging probes and methods. Software development will be encouraged, especially in collaboration with PSIIM computational staff.

Additionally, there will be opportunity for the successful applicant to design, conduct, and publish the results of biological imaging experiments. Strong technical applicants lacking an immunology background who are otherwise excellent fits to the imaging needs will be given full consideration. If hired, such an applicant will be provided opportunities for training and education in immunology and infectious diseases to facilitate development of a strong experimental research program in addition to technical activities and collaborative work with other members of LBS/PSIIM.

To apply, send curriculum vitae, bibliography, three letters of recommendation, and a short statement about your skill set including how you see applying optical imaging to better understanding immunity (no more than two pages) by **January 31, 2010**, to Ronald Germain, M.D., Ph.D., Chief, LBS; Director, PSIIM, NIAID/NIH/HHS, 10 Center Drive, MSC 1892, Building 10, Room 11N311, Bethesda, MD 20892-1892 or rgermain@nih.gov.

HHS, NIH, and NIAID are equal opportunity employers.