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The innate immune system is the first line of defense against invading microbial pathogens. It employs a set of pattern recognition receptors (PRRs) that recognize specific pathogen-associated molecular patterns (PAMPs) to trigger an inflammatory response. Manipulation of innate immune targets has become an attractive strategy to develop novel therapies for infectious diseases, autoimmunity and cancer. InvivoGen provides an extensive collection of reagents and cell lines designed to facilitate and enhance your research in innate immunity. These products are systematically tested for biological activity and purity to ensure their experimental reliability and reproducibility.

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**CLIENT TESTIMONIAL**

**Stephane Daffis**  
Research Scientist  
Gilead Sciences

“InvivoGen is the leading expert in the field of innate immunity. The quality and innovation of their research products is a key asset in developing some of my research projects.”
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The mice were fed normal chow and 2.0% wt/wt DSS in water for 1 week and represent means±SD (data obtained from Bamba et al., 2012)

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The mice were fed normal chow and 2.0% wt/wt DSS in water for 1 week and then sacrificed. The weight of individual mice was monitored daily. The data represent means±SD (data obtained from Bamba et al., 2012)

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The Center for Basic Research in Digestive Disease at the Mayo Clinic in Rochester, Minnesota - USA has a position available for Postdoctoral Research Fellows within the Chris M. Carlos and Catharine Nicole Jockisch Carlos Endowment to Find a Cure for Primary Sclerosing Cholangitis (PSC).

Applicants should have an M.D., Ph.D., or equivalent degree with experience in immunology, especially microphage biology. The ideal candidate will have a Ph.D. in immunology, and have graduated from a U.S. graduate school. An appointment for 1-3 years is envisioned. Candidates’ work will focus on wet bench projects including in vitro, in vivo, and/or animal models with the goals of providing a better understanding of the pathogenesis of PSC.

Interested candidates should provide two letters of recommendation and an updated CV/bibliography to Jennifer Rud at rud.jennifer@mayo.edu.

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UNIVERSITY OF MINNESOTA
INFECTIOUS DISEASES & PROGRAM IN HIV MEDICINE
Physician-Scientists / Basic Scientists

The Division of Infectious Diseases and International Medicine and Program in HIV Medicine of the Department of Medicine at the University of Minnesota invites applications for tenure track positions at the Assistant Professor or tenured Associate Professor ranks. We seek candidates with a MD, PhD, or MD/PhD degree who have a track record of exceptional accomplishment and promise in infectious diseases research. The Program in HIV Medicine’s current areas of interest include virus evolution; virus persistence and tissue reservoirs; lymphoid tissue pathology and CD4 T cell depletion and reconstitution; HIV co-morbidities, and HIV-related coinfections, particularly TB; and innate and adaptive immunological responses to infection or co-infections that might eventuate in therapeutic or preventive vaccines. The successful candidate will join a collegial community with outstanding scholarly and scientific resources and opportunities to collaborate with faculty in the Department of Microbiology and Immunology, Center for Immunology, Center for Clinical and Translational Science Institute, Center for Drug Design, and the Institute for Molecular Virology at the University of Minnesota. Individuals licensed to practice medicine in the State of Minnesota will also have the opportunity to provide outpatient care for HIV-infected patients or general ID patients at the University of Minnesota HIV/ID clinic and to provide inpatient ID consultation. Salary will be commensurate with qualifications and expertise and competitive start-up packages are available. Qualified applicants are invited to apply on-line at www1.umn.edu/ohr/.

In addition to the on-line application, applicants should send a 3-page letter describing research interests and expertise, along with a current curriculum vitae and names of three references by e-mail to Scott Povolny (povo0006@umn.edu), addressed to: Timothy Schacker, MD, Director of the Program in HIV Medicine.

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