Postdoctoral Scientist
The Center for Microbial Pathogenesis within the Abigail Wexner Research Institute at Nationwide Children’s Hospital (Columbus, Ohio) is seeking a postdoctoral scientist to study host-pathogen interactions as they relate to Neisseria gonorrhoeae and HIV infections of the lower female genital tract. To be considered, the candidate must have a Ph.D. in an area of microbiology or virology with hands-on experience in one or more of the following fields: bacterial and/or viral pathogenesis, cell biology, innate immunology, and/or molecular biology. Applicants with experience in virology, in particular HIV pathogenesis, are preferred. We are seeking a talented, independent self-starter who thrives working alone as well as in an interactive, collaborative scientific environment. The successful applicant will be an organized, motivated, and innovative professional. They will possess strong critical thinking and problem-solving skills and the ability to independently design, execute, troubleshoot, and interpret experiments. Applicants with an interest in the cellular/molecular mechanisms underlying the interaction of pathogenic bacteria and viruses with human mucosal surfaces, the host response(s) to infection, and/or the innate immunology of the human mucosal epithelium are encouraged to apply. The successful applicant will study HIV infection, and Neisseria gonorrhoeae-HIV coinfection, of the lower female genital tract as part of a funded grant from the NIH/NIAID.

Required Knowledge, Skills, and Abilities:
• Excellent communication skills with fluency in written and spoken English
• Demonstrated peer-reviewed publication record
• Experience in preparation of abstracts and scientific presentations
• Strong mathematical and analytical skills; familiarity with statistical analyses
• Strong problem-solving/troubleshooting skills that can translate to direct guidance of team members
• Good time management, prioritization, and planning skills with demonstrated ability to execute multiple projects simultaneously and in providing high quality, timely data
• Experience in molecular biological techniques (e.g. molecular cloning, bacterial mutant generation, isolation of DNA, RNA, and proteins from microbial and eukaryotic cells etc.)
• Experience in propagating and enumerating virus
• Experience in microbiological and immunological assessments (e.g., ELISA, Western Blot, etc.)
• Working knowledge of mammalian cell signaling and innate (mucosal) immunity
• Must be able to occasionally work after hours and/or weekends, as needed, for experiments
• Ability, and desire, to be productive independently, as well as part of a research team, in a fast-paced, collaborative setting

Preferred Knowledge, Skills, and Abilities
• Previous experience working with HIV
• Experience with primary human cell culture
• Strong background in cellular microbiology
• Experienced in interpreting and analyzing large scale experimental data (e.g. proteomic data sets)

Nationwide Children’s Hospital is an equal opportunity employer that values diversity. Candidates of diverse backgrounds are encouraged to apply. Interested candidates should submit a letter describing experience, CV, and 3 reference letters to Dr. Jennifer Edwards at jennifer.edwards@nationwidechildrens.org