Postdoctoral Fellowship Position

Join a multidisciplinary team exploiting recent breakthroughs in intestinal spheroid culture to explore interactions between intestinal epithelial cells and the protozoan parasite *Cryptosporidium parvum*. Project will explore novel epithelial stem cell biology, genome-wide expression studies, metabolism, and pathway analyses to define host-pathogen interactions at a cellular and molecular level.

**Requirements**
Candidate will use the cellular and molecular approaches to optimize spheroid culture conditions to support parasite development and define efficient systems for continuous *in vitro* propagation of *Cryptosporidium*. In parallel, candidate will develop tools for genetic transformation of *C. parvum*, including the design of reporter strains. Familiarity with mammalian cell culture, stem cell biology, and molecular genetic methods is highly desirable. Prior experience working with parasites is not essential.

English language (speaking and writing), analytical, computational, and interpersonal skills are considered essential. Washington University offers a highly diverse intellectual community with outstanding training opportunities for postdoctoral fellows. Salary and benefits along with educational and training opportunities are summarized at the Office of Post Graduate Affairs (http://dbbs.wustl.edu/PostDocs/Pages/PostDocs.aspx).

**Contact**
Submit a current C.V. and names of three references to: Dr. David Sibley, Professor, (sibley@wustl.edu), Dept. Molecular Microbiology, Washington University Sch. Med., St. Louis, MO 63110.