

# WORK ON *CRYPTOSPORIDIUM* IN A NEW BMGF-FUNDED PROJECT

November 30, 2017

## For more on *Cryptosporidium* and our recent work see:

Striepen, B. (2013) Time to tackle cryptosporidiosis, *Nature* 503: 189-191

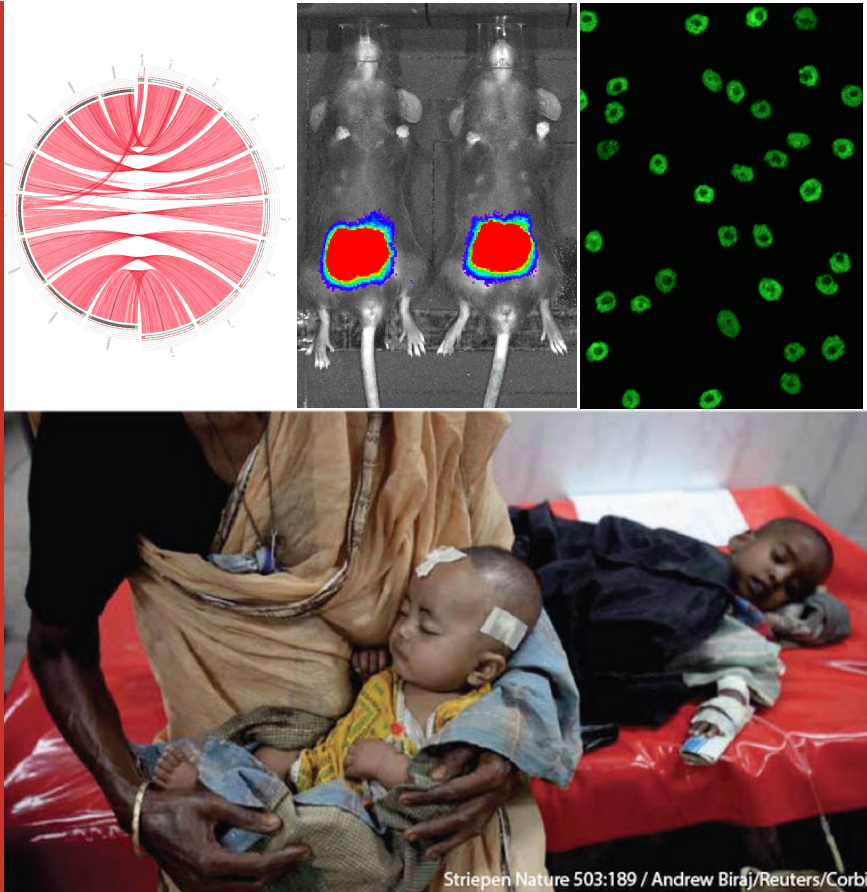
Checkley, W., et al. (2015) A Review of the Global Burden, Novel Diagnostics, Therapeutics and Vaccine Targets for *Cryptosporidiosis*. *Lancet Infectious Diseases* 15: 85-94

Vinayak, S. et al. (2015) Genetic modification of the diarrheal pathogen *Cryptosporidium parvum*. *Nature* 253:477-480

Manjunatha, U.H et al. (2017) A *Cryptosporidium* PI(4)K inhibitor is a drug candidate for cryptosporidiosis. *Nature* 546: 376-380

## Contact:

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## Striepen lab looking for: postdoctoral fellows & experienced lab coordinator

Join us at the University of Pennsylvania in Philadelphia to work on *Cryptosporidium genetics*, metabolism, and drug development.

*Cryptosporidium* is a leading cause of severe diarrhea in young children and an important contributor to early childhood mortality. Fully effective drugs to treat crypto infection are lacking. We develop and apply molecular genetic strategies to enable parasite drug development as part of a large interdisciplinary team.

In this new project funded by the Bill & Melinda Gates Foundation we

will use CRISPR-based genome modification to discover and/or validate the mode of action of newly identified crypto drug candidates. In a genome-wide effort we will map parasite metabolism, test essentiality and unravel interaction between host cell and parasite metabolism.

We are looking for recent PhD graduates with strong training in experimental molecular biology or biochemistry, a keen interest in science and global health and the drive to solve challenging problems. Bioinformatics skills are a plus. We will also consider experienced

molecular biologists with a BS or MS for the position of lab coordinator.

The University of Pennsylvania is a leading US center of biomedical research and a marvelous place to do a postdoc with a stimulating intellectual environment and access to the latest technology. Philadelphia is an exciting city to live in. Contact Boris by e-mail with a CV a statement of interests, and the names of three references.