



Smithsonian  
Institution

## *Postdoctoral Researcher*

**Mosquito Vector Biology & Genomics  
Center for Conservation Genomics  
Smithsonian Conservation Biology Institute  
National Zoological Park**

**SALARY RANGE:** Starting at \$51,384.

**OPEN PERIOD:** 1 December 2017 until filled

**DUTY LOCATION:** Fonseca Lab, Rutgers University, New Brunswick, NJ

The Center for Conservation Genomics (CCG), Smithsonian Conservation Biology Institute (SCBI), National Zoological Park, invites applications for a postdoc in Mosquito Biology and Genomics examining how evolution of the mosquito vector affects pathogen (bird malaria) epidemiology. The successful candidate will be an exceptional scientist with a strong track record of published research involving the molecular analysis of pathogen vectors, especially those of concern for animal health and conservation.

The CCG's mission is to understand and conserve biodiversity through application of genomics and genetic approaches. CCG scientists creatively apply genetic theory and methods to gain knowledge about the evolutionary and life histories of animals, to understand the importance of genetic variation to their survival, and to identify the methods needed to sustain them in human care and in the wild. In the case of invasive disease vectors, also identify methods to control them with minimum impact on the ecosystem at large.

The selected candidate will be expected to conduct research on mosquito-pathogen evolution. The candidate should have experience in developing and applying "next generation" DNA lab analysis methods and bioinformatics. Knowledge of the biology of one or more groups of pathogen vectors is also expected. The ability to communicate effectively with a wide variety of audiences, including the public, is essential. The successful candidate will be expected to participate in activities, such as educational outreach, and to be involved with professional associations and other organizations within the scientific community.

Full-time, 3-year temporary appointment with full Smithsonian benefits to be filled at the IS-9 level, equivalent to Federal GS-9. Proof of authorization to work in US required. The authorized salary for this position at this time is \$51,384 per annum, plus benefits. **Qualified candidates who are referred to the hiring official will be asked to submit educational transcripts and proof of U.S. accreditation for foreign study.**

**KEY REQUIREMENTS:**

- Pre-employment Background Investigation must be successfully completed.
- Must be able to travel and work independently as well as within a team environment.

Candidates may qualify for this position by demonstrating the experience outlined above, by completion of three full years of progressively higher level graduate education leading to a Ph.D. or equivalent doctoral degree related to the position, or by a combination of experience and education.

The Smithsonian Institution offers a competitive salary and a comprehensive package of benefits. This is not a Federal Position, but has similar requirements and benefits. For a complete description of benefits, please visit [www.sihr.si.edu](http://www.sihr.si.edu).

Interested candidates should submit their curriculum vitae, a cover letter, and research statements detailing their research interests and general experience for the position by **15 December** to [dina.fonseca@rutgers.edu](mailto:dina.fonseca@rutgers.edu) but applications will be reviewed and followed up as they arrive. **Please include the position title in the subject line of your e-mail.** CVs should include your educational history (including degrees awarded), listings of publications, scientific and public presentations, grants received, and honors and awards. Also include a description of your paid and non-paid work experience that is related to this job; starting and ending dates of job (*Month and year*); and average number of hours worked per week.

To learn more about the Fonseca lab see <https://fonseca-lab.com>). For a direct link to the CCG, SCBI and NZP please visit <https://nationalzoo.si.edu/center-for-conservation-genomics>].

For more information, contact Dina Fonseca ([dina.fonseca@rutgers.edu](mailto:dina.fonseca@rutgers.edu)).

*The Smithsonian Institution is an equal opportunity, affirmative action employer. Candidates of all backgrounds are encouraged to apply.*