



**Job Title:** Postdoctoral Research Associate in Wildlife Disease Genomics

<b>Date of Issue:</b>	1/28/20	<b>CBU:</b>	
<b>Position No:</b>		<b>Job Family:</b>	
<b>Department:</b>	OSFA	<b>OT Eligible:</b>	
<b>Campus:</b>	UM	<b>Wage Grade:</b>	

**I. Position Summary:**

An NSF-funded postdoctoral research position is available in the Wildlife Disease Genetics Laboratory at the University of Maine to study the ecology and evolution of infectious diseases, focused on anthrax in herbivorous wildlife in Namibia and South Africa. The postdoc will join an international, interdisciplinary team, and will work closely with the PI (Dr. Pauline Kamath), collaborators, and students to design and lead research both in the lab and field. The successful candidate will integrate genomic and ecological data to examine genome to disease phenotype relationships in wildlife hosts, but will also have the flexibility to pursue related questions in the general areas of host-pathogen evolution and disease transmission in wildlife-disease systems. Funding is available for 1 year (renewable up to 3 years, depending on funding and successful performance).

**II. Essential Duties:**

- Plan and conduct assigned and/or original research projects autonomously while also working together with the PI, staff, students, and collaborators.
- Maintain accurate records of research finding and the analysis of results.
- Assist in the management of the research laboratory.
- Prepare publications, grant proposals, and reports in collaboration with the PI, collaborators, and students.
- Present research findings at professional meetings.
- Mentor graduate and undergraduate students.

**III. Reporting Relationship:**

The position will report to Dr. Pauline Kamath.

**IV. Supervisory Responsibilities:**

None.



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**V. Knowledge, Skills and Qualifications**

**Required:**

- Ph.D. (or equivalent) in ecology, evolution, epidemiology, microbiology, genomics, or related discipline by the start date of the appointment.
- Strong quantitative and writing skills
- Experience in applying genetic approaches to ecological datasets

**Preferred:**

- Strong publication record in disease ecology and evolution
- Demonstrated skills in genomics, bioinformatics, and statistical analyses
- Experience in laboratory management
- Experience working in diverse teams
- Experience in mentoring students

**Note: The University of Maine reserves the right to change or assign additional duties as necessary.**

**VI. Signatures:**

The signatures indicate the employee and immediate supervisor have reviewed the job description.

Employee Signature/Date:

1/28/2020

Employee Printed Name:

Pauline Kamath

Immediate Supervisor Signature/Date:

Immediate Supervisor Printed Name: