

Opportunity Title: Cell Biologist

Opportunity Reference Code: AFSAM-2020-0007

Organization U.S. Department of Defense (DOD)

Reference Code AFSAM-2020-0007

How to Apply Components of the online application are as follows:

- Profile Information
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. [Click here for detailed information about acceptable transcripts.](#)
- One Recommendation

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system.

If you have questions, send an email to AIRFORCE@orise.orau.gov. Please list the reference code of this opportunity in the subject line of the email.

All documents must be in English or include an official English translation.

Letter of Recommendation: While a letter of recommendation is not required to be considered, applicants are required to provide contact information for one recommendation in order to submit the application. Applicants are encouraged to request a letter of recommendation before submission as this may help reviewers have a better understanding of the applicant's qualifications and interests. If selected, a letter recommendation must be submitted on your behalf upon acceptance of the appointment.

Description The 711th Human Performance Wing (711 HPW) is a unique combination of three units: the Airman Systems Directorate (RH), the US Air Force School of Aerospace Medicine (USAFSAM) and the Human Systems Integration Directorate (HP). USAFSAM is the premier institute for research, education, and worldwide operational consultation in Aerospace Medicine. USAFSAM has guided the advancement of aerospace medicine and human performance from the beginnings of aviation through the onset of the space age and into the present, and is the oldest continually operating institution of its kind. It is also host to the largest aeromedical library in the world. For more information about the USAF School of Aerospace Medicine, please visit <https://www.wpafb.af.mil/afml/711hpw/USAFSAM/>.

The overarching goal of the Identification of Microbial Pathogens and Countermeasures/Therapeutics (IMPACT) is to deliver tools to the Air Force for identifying any pathogen, anywhere, in any source from any specimen. The IMPACT lab performs this mission by employing advanced molecular detection techniques such as next generation sequencing, synthetic oligonucleotide construction, and isothermal amplification alongside gold-standard techniques such as cell culture and real-time PCR. The specific goal for the project is to assess and compare multiple innovative approaches for detecting SARS-CoV-2 (the virus causing COVID-19) in multiple sample types and at multiple points across an infection. Through a multi-pronged test and evaluation design, this project seeks to rapidly deliver technologies that can increase the scale and speed of SARS-CoV-2 testing to enable an expeditious return to steady-state military



ORISE GO

The ORISE GO mobile app helps you stay engaged, connected and informed during your ORISE experience – from application, to offer, through your appointment and even as an ORISE alum!

Visit ORISE GO 

GET IT ON
 Google Play

Download on the
 App Store

Opportunity Title: Cell Biologist
Opportunity Reference Code: AFSAM-2020-0007

operations. The IMPaCT lab is seeking a cell biologist with an interest in mammalian cell culture and molecular biology. The participant will gain hands-on experience in cellular and molecular techniques including mammalian in vitro cell culture, next generation sequencing, synthetic oligonucleotide construction, isothermal amplification, and real-time PCR among others, along with theoretical knowledge in viral culture, test and evaluation experimental design, and scientific writing.

Appointment Length

This appointment is a twelve month research appointment, with the possibility to be renewed for additional research periods. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

Participant Benefits

Participants will receive a stipend to be determined by USAFSAM. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Health Insurance Supplement. *Participants are eligible to purchase health insurance through ORISE.*
- Relocation Allowance
- Training and Travel Allowance

Nature of Appointment




The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

While participants will not enter into an employment relationship with DOD or any other agency, this opportunity will require a suitability investigation/background investigation. Any offer made is considered tentative pending favorable outcome of the investigation.

Qualifications Candidate should have a master's degree with experience growing cell lines and viruses. Experience in molecular techniques such as DNA/RNA extraction, PCR and sequencing are also desired.

Desired Appointment Start Date: 9/1/2020

- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
 - **Degree:** Master's Degree received within the last 60 month(s).
 - **Discipline(s):**
 - **Environmental and Marine Sciences** ([1](#) 
 - **Life Health and Medical Sciences** ([45](#) 
 - **Mathematics and Statistics** ([1](#) 
 - **Age:** Must be 18 years of age