

Opportunity Title: Cultural Geography, Social Psychology, and Behavioral Sciences Research

Opportunity Reference Code: NGA-VSP-2021-0018

Organization U.S. Department of Defense (DOD)

Reference Code NGA-VSP-2021-0018

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.](#)
- 2 Recommendation(s)

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

If you have questions, send an email to orisedod@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.

Description Candidates may be based in the Springfield VA or St Louis, MO, locations upon completion of security clearance investigation.

The National Geospatial-Intelligence Agency (NGA) delivers world-class geospatial intelligence that provides a decisive advantage to policymakers, warfighters, intelligence professionals and first responders. Anyone who sails a U.S. ship, flies a U.S. aircraft, makes national policy decisions, fights wars, locates, targets, responds to natural disasters, or even navigates with a cellphone relies on NGA. NGA enables all of these critical actions and shapes decisions that impact our world through the indispensable discipline of geospatial intelligence (GEOINT).

NGA's Research directorate – Predictive Analysis Pod – Encompasses techniques from data mining, predictive modeling, and machine learning that analyze current and historical facts to make predictions about future or other unknown events. Sometimes the event is in the future, but predictive analytics can be applied to any type of unknown – past, present or future.

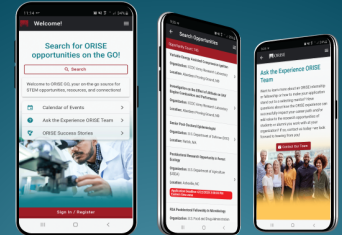
Under the guidance of a mentor, the participant selected for this research will participate in a project focused on cultural geography, social psychology, behavioral sciences, and human geography studies. The project will support the mission of the NGA Research directorate Predictive Analysis Pod and provide the candidate experience in predictive analysis.



OAK RIDGE INSTITUTE
FOR SCIENCE AND EDUCATION



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: Cultural Geography, Social Psychology, and Behavioral Sciences Research

Opportunity Reference Code: NGA-VSP-2021-0018

Key Words

Social Network Analysis, Cultural Geography, Human Geography, Data Mining, Data Science, Social Psychology, Artificial Intelligence, Machine Learning, Natural Language Processing, Predictive Analysis, Algorithm Development, Satellite Image Processing, GIS, Cloud Data Analytics, Data Fusion, Object Modeling, Multi-dimensional Data Warehouse, Query Language, Data Visualization Techniques

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 **NGA**. 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.

- Qualifications**
- Ph.D., or Postdoctoral level applicants who have a background in cultural geography, social psychology, behavioral sciences, human geography, or related fields.
 - Experience using quantitative frameworks to relate infectious disease transmission to behavioral and sociocultural variables is highly desired.
 - Experience with geospatial analysis or GIS is highly desired.
 - Programming experience in R or Python is highly desired.
 - The work can begin at the UNCLASSIFIED level, but an applicant should expect to undergo a background investigation for an SCI clearance.

A background check will be conducted for an SCI security clearance. Completion of Questionnaire for National Security Positions is required.

Opportunity Title: Cultural Geography, Social Psychology, and Behavioral Sciences Research

Opportunity Reference Code: NGA-VSP-2021-0018

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree received within the last 60 months or currently pursuing.
 - **Academic Level(s):** Graduate Students or Postdoctoral.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Communications and Graphics Design** ([2](#))
 - **Computer, Information, and Data Sciences** ([17](#))
 - **Earth and Geosciences** ([21](#))
 - **Engineering** ([27](#))
 - **Environmental and Marine Sciences** ([14](#))
 - **Life Health and Medical Sciences** ([46](#))
 - **Mathematics and Statistics** ([10](#))
 - **Physics** ([16](#))
 - **Science & Engineering-related** ([1](#))
 - **Social and Behavioral Sciences** ([28](#))