

**Opportunity Title:** Financial Determinants of Technology Innovation Fellowship

**Opportunity Reference Code:** ICPD-2024-10

**Organization** Office of the Director of National Intelligence (ODNI)

**Reference Code** ICPD-2024-10

**How to Apply** **Create and release your Profile on Zintellect** – Postdoctoral applicants must create an account and complete a profile in the on-line application system. **Please note: your resume/CV may not exceed 3 pages.**

**Complete your application** – Enter the rest of the information required for the IC Postdoc Program Research Opportunity. The application itself contains detailed instructions for each one of these components: availability, citizenship, transcripts, dissertation abstract, publication and presentation plan, and information about your Research Advisor co-applicant.

Additional information about the IC Postdoctoral Research Fellowship Program is available on the program website located at: <https://orise.orau.gov/icpostdoc/index.html>.

If you have questions, send an email to [ICPostdoc@orau.org](mailto:ICPostdoc@orau.org). Please include the reference code for this opportunity in your email.

**Application Deadline** 2/28/2024 6:00:00 PM Eastern Time Zone

**Description** **Research Topic Description, including Problem Statement:**

Various determinants have been developed to identify technological innovation. While conclusive predictors remain elusive, some indicators serve to enlighten. Financial determinants remain an area for further development. Although expenditures measure a level of input, the measurable relation to output, for example patents or profit, has been shown to vary under different circumstances. This research seeks to pursue further detail in the nature of financial support leading to technological innovation. How do differences in technological innovation emerge from differences in financial support?

**Example Approaches:**

Develop models showing differences in technological innovation from different financial sources, such as government or private sources; explore different outcomes from different types of recipients, such as universities, labs, or businesses; explore different outcomes from similar types of funding sources but within different contexts (such as different countries, different economic environments, or different market structures).

**Relevance to the Intelligence Community:**

- Develop/enhance understanding of global technology development lifecycles and transition plans
- Develop/enhance capabilities to collect information on global science and technology activities.
- Develop/enhance capabilities to forecast global technological advances.
- Develop/enhance methods to aggregate, analyze, and/or share financial data.



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- Develop/enhance capabilities and/or methods to aggregate and analyze economic data.

**Key Words:** Financial determinants, technology, innovation, disruptive innovation

### **Qualifications** Postdoc Eligibility

- U.S. citizens only
- Ph.D. in a relevant field must be completed before beginning the appointment and within five years of the appointment start date
- Proposal must be associated with an accredited U.S. university, college, or U.S. government laboratory
- Eligible candidates may only receive one award from the IC Postdoctoral Research Fellowship Program

### **Research Advisor Eligibility**

- Must be an employee of an accredited U.S. university, college or U.S. government laboratory
- Are not required to be U.S. citizens

### **Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** ([12](#))
  - **Communications and Graphics Design** ([6](#))
  - **Computer, Information, and Data Sciences** ([17](#))
  - **Earth and Geosciences** ([21](#))
  - **Engineering** ([27](#))
  - **Environmental and Marine Sciences** ([14](#))
  - **Life Health and Medical Sciences** ([45](#))
  - **Mathematics and Statistics** ([11](#))
  - **Other Non-Science & Engineering** ([2](#))
  - **Physics** ([16](#))
  - **Science & Engineering-related** ([1](#))
  - **Social and Behavioral Sciences** ([30](#))