

**Opportunity Title:** Senior Researcher for Alignment of Science to Concepts

**Opportunity Reference Code:** ARL-R-RBD-400047-F1

**Organization** DEVCOM Army Research Laboratory

**Reference Code** ARL-R-RBD-400047-F1

**Description** The DEVCOM Army Research Laboratory's mission to operationalize science involves the pursuit and application of scientific advancement to enhance capabilities for the Soldiers of 2040 and beyond. To achieve this, it is crucial to investigate the intersection between Army Concepts and ARL's foundational research competencies. Analyzing how Army Concepts influence foundational research investments and developing strategies informed by historical examples to improve the integration between science and Army Concepts are essential for progressing Army research towards fielded capabilities. This requires identifying opportunities and barriers to traditional and evolving Army processes at different hierarchical levels, along with conducting research to develop insightful recommendations. Additionally, as ARL's foundational research evolves in response to technological advancement and collaborative learning opportunities, assessments are necessary to understand their impact on the development of Army Concepts. A senior researcher is needed to collect and assess relevant information, and formulate and manage strategies to better align scientific research with Army Concepts. This senior researcher will use their experience and knowledge of Army Concepts and science and technology linkages to enable foundational research to better inform and address the future needs of Army forces in an evolving Future Operating Environment.

**Advisor Name:** Tomoko Sano

**Advisor Email:** tomoko.sano.civ@army.mil

#### About RBD

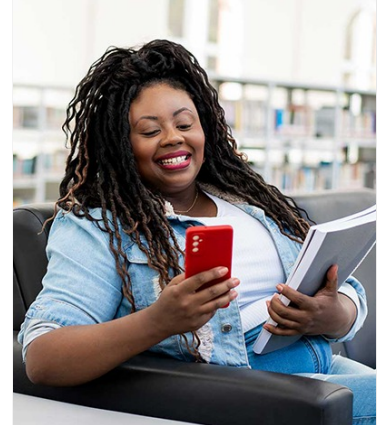
ARL's Research Business Directorate centralizes the laboratory's business operations such as laboratory operations, strategic partnerships and plans, programs and budget synchronization, and focuses on facilitating strategic decision-making among cross-disciplinary internal and external teams.

#### About ARL-RAP

The [Army Research Laboratory Research Associateship Program](#) (ARL-RAP) is designed to significantly increase the involvement of creative and highly trained scientists and engineers from academia and industry in scientific and technical areas of interest and relevance to the Army. Scientists and Engineers at the CCDC Army Research Laboratory (ARL) help shape and execute the Army's program for meeting the challenge of developing technologies that will support Army forces in meeting future operational needs by pursuing scientific research and technological developments in diverse fields such as: applied mathematics, atmospheric characterization, simulation and human modeling, digital/optical signal processing, nanotechnology, material science and technology,



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multifunctional technology, combustion processes, propulsion and flight physics, communication and networking, and computational and information sciences.

**A complete application includes:**

- **Curriculum Vitae or Resume**
- **Three References Forms**
  - An email with a link to the reference form will be available in Zintellect to the applicant upon completion of the on-line application. Please send this email to persons you have selected to complete a reference.
  - References should be from persons familiar with your educational and professional qualifications (include your thesis or dissertation advisor, if applicable)
- **Transcripts**
  - Transcript verifying receipt of degree must be submitted with the application. Student/unofficial copy is acceptable

If selected by an advisor the participant will also be required to write a **research proposal** to submit to the ARL-RAP review panel for :


- Research topic should relate to a specific opportunity at ARL (see [Research Areas](#))
- The objective of the research topic should be clear and have a defined outcome
- Explain the direction you plan to pursue
- Include expected period for completing the study
- Include a brief background such as preparation and motivation for the research
- References of published efforts may be used to improve the proposal

A link to upload the proposal will be provided to the applicant once the advisor has made their selection.

**Questions about this opportunity?** Please











email [ARLFellowship@orau.org](mailto:ARLFellowship@orau.org)

**Qualifications** Ideally the candidate should have experience working with the Army Concepts community.

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
  - **Degree:** Master's Degree.
  - **Academic Level(s):** Master's Degree 7+ years (Senior Fellow).
  - **Discipline(s):**
    - **Chemistry and Materials Sciences** ([12](#) )

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- **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** ([51](#) )
- **Mathematics and Statistics** ([11](#) )
- **Physics** ([16](#) )
- **Science & Engineering-related** ([2](#) )
- **Social and Behavioral Sciences** ([29](#) )