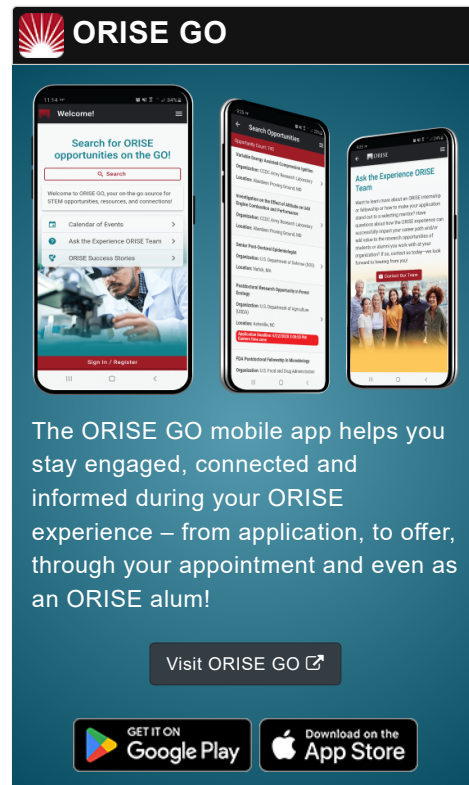


**Opportunity Title:** ORNL Synthetic Biology Post-Bachelor's Research

Associate

**Opportunity Reference Code:** ORNL17-38-BSD



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**Organization** Oak Ridge National Laboratory (ORNL)



**Reference Code** ORNL17-38-BSD

**Description** The selected candidate will join a team improving and testing a new technology for high-throughput assembly of DNA parts into genetic circuits. The project is funded by the ORNL Technology Innovation Program (TIP) with three goals: 1) to develop new cloning vectors for assembly of multiple DNA parts, 2) to develop protocols for cloning DNA parts, and 3) to assess the shelf life of the cloning vectors.

**Qualifications** B.S. in molecular biology, bioengineering, genetics, biochemistry, biotechnology, microbiology, synthetic biology, plant biology, or related fields is required.

Prior knowledge and experience in one or more of the following areas are preferred: 1) Molecular cloning, 2) construction of gene constructs, 3) PCR, 4) DNA isolation, 5) gene transformation in microbes and/or plants, and 6) genome editing.

The ORNL Postgraduate Research Associates Program is administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education (ORISE).

- Eligibility Requirements**
- **Degree:** Bachelor's Degree received within the last 36 month(s).
  - **Academic Level(s):** Post-Bachelor's.
  - **Discipline(s):**
    - **Engineering** (1 )
    - **Life Health and Medical Sciences** (5 )

**Affirmation** I certify that I have completed coursework towards a degree in science, technology, engineering, mathematics, or a related field.

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