

**Opportunity Title:** Cyclotron Road Applied Research Experience Program

**Opportunity Reference Code:** EERE-RPP-AMO-2015-1104

**Organization** U.S. Department of Energy (DOE)

**Reference Code** EERE-RPP-AMO-2015-1104

**How to Apply** A complete application consists of:

- An application
- A current Resume/CV
- Transcript(s) – 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. Selected candidate may be required to provide proof of completion of the degree before the appointment can start. Proof must be sent to ORISE directly from the academic institution including graduation date and degree awarded.

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

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

**Description** Cyclotron Road provides a home for top entrepreneurial researchers developing hard materials and manufacturing innovations that are too challenging to pursue in the private sector. Our goal is to help these projects achieve focused technology development objectives in a discrete period of time to facilitate the transition from lab to market.

While a primary focus of Cyclotron Road is to address the gap between early-stage energy technologies and impactful commercial outcomes, the program presents an exceptional platform for the educational and professional development of scientists and engineers interested in energy efficiency and renewable energy technology.

The Cyclotron Road Applied Research Experience (ARE) Program provides a mentored opportunity for pre-doctoral scientists and engineers to apply their education in support of an impact-driven R&D project. Through participation in this prestigious program, participants will:

- Apply their scientific and engineering expertise to help solve critical technical development challenges identified by Cyclotron Road projects.
- Gain deep insight into entrepreneurial applied R&D and energy technology commercialization through mentorship and hands-on experience.
- Help develop innovative technologies that will have a real impact on the US economy, environment, and society.

Please visit [www.cyclotronroad.org/are](http://www.cyclotronroad.org/are) for more information.

Applicants will be evaluated on the basis of their academic and research record, interest and opportunity for educational growth in applying their technical skills and knowledge to a Cyclotron Road project, and potential for making contributions to the project for which they are applying.



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Applicants are encouraged to contact the Project Leads for specific project opportunities (contact information available at [cyclotronroad.org/are](http://cyclotronroad.org/are)) to indicate their interest in applying. Project Leads will be asked to submit a letter of endorsement for individual candidates. Review of applications and endorsements will be conducted by the Cyclotron Road team and final selections will be made by the DOE EERE Advanced Manufacturing Office sponsoring the program.

### **Participant Benefits**

Selected candidates will receive a stipend as support for their living and other expenses during this appointment. Stipend rates are determined by DOE officials, and are based on the candidate's academic and professional background. Candidates will also be eligible to receive a health insurance allowance and reimbursement for travel expenses. Appointments are for one year.

### **Appointment Location**

This appointment is located at Lawrence Berkeley National Laboratory in Berkeley, CA.

### **Nature of the Appointment**

Participants will not enter into an employee/employer relationship with ORISE, ORAU, DOE 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.

**Beginning April 18, 2016, all submitted applications will undergo review. Applications will be accepted after this date until all positions are filled. Participants are expected to begin their appointments in early June.**

### **Qualifications Desired candidates will:**

- Have a superior academic performance
- Have a strong technical background and expertise in an energy-technology-related field.
- Have strong analytical, research and communication (oral and written) skills and demonstrated capacity for creative thinking.
- Be interested in being part of a multi-disciplinary, fast-paced environment, focused on energy technology research and development.

*Matriculated undergraduates and masters students may be considered for short-term appointments. Post-doctoral candidates are NOT eligible for this program*





**Eligibility Requirements**

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree or Master's Degree received within the last

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60 month(s).

- **Discipline(s):**
  - **Chemistry and Materials Sciences** ([12](#) )
  - **Engineering** ([27](#) )
  - **Physics** ([16](#) )
  - **Science & Engineering-related** ([1](#) )