

The research group of Emeritus Professor Larry R. Dalton in the Department of Chemistry at the University of Washington seeks an outstanding synthetic postdoctoral research associate to participate in the development of organic nonlinear optical materials. The position requires demonstrated expertise in organic synthesis and physicochemical characterization of conjugated organic molecules. The lab is well equipped with state-of-the-art facilities for synthesis, analytical characterization, and device fabrication and testing; moreover the postdoctoral associate will have access to the core research facilities of the Chemistry Department, the Molecular Engineering and Sciences Institute, and the Washington Nanofabrication Facility at the University of Washington. Applicants must have a Ph.D. in Chemistry, Materials Science, Chemical Engineering, or a related discipline. The successful candidate is expected to have excellent communication skills, strong publication record, as well as creativity and independence to solve problems and conduct research with minimum supervision.

Job Requirements:

Strong proficiency in synthetic organic chemistry methodologies and analytical laboratory techniques relevant to the preparation and physicochemical characterization of organic molecules, specifically nonlinear optical or conjugated materials. Additional experimentation in thin film device preparation, organic-electronic device testing, electrochemistry, and laser systems may be required. The successful candidate is expected to have excellent communication skills, strong publication record, as well as creativity and independence to solve problems and conduct research with minimum supervision.

Desired Skills:

- Expertise in synthetic organic chemistry, particularly related to conjugated organic materials.
- Proficiency in analytical characterization of organic molecules by common spectroscopic and electrochemical methods
- Experience in organic-electronic thin film device preparation and testing
- Experience in testing electro-optic properties, laser systems, and LabView
- Excellent written and oral communication skills.

Desired start date for the postdoc position is in February, 2017 or soon thereafter based on the needs of the applicant. The duration of employment is 12 months.

Review of applications will begin immediately and will be considered on a rolling basis. To apply, please send email to EOptic@uw.edu. To be considered, all applicants must submit a cover letter (with expected date of availability), a curriculum vitae with full publication list, names and email addresses of at least two references. Each reference will be contacted to upload their reference letter. Please visit our website at <http://depts.washington.edu/eoopic/> for more information.