



College of

Arts & Sciences

WASHINGTON STATE UNIVERSITY

POSTDOCTORAL RESEARCH AND TEACHING ASSOCIATE IN ORGANIC CHEMISTRY

Research Group of Dr. Rock J. Mancini
Assistant Professor, Department of Chemistry, Washington State University

Position Summary: The Mancini Lab in the Department of Chemistry at Washington State University is accepting applications for a Postdoctoral Associate position to begin as early as January 2019. The position includes opportunities for both research as well as teaching.

The ideal candidate will be expected to:

- a) Collaborate with other group members and other labs to efficiently execute multidisciplinary research.
- b) Assist in the mentorship and training of graduate students within the group.
- c) Teach, as the instructor of record, 1 course per semester from Washington State University's undergraduate Organic Chemistry course sequence, including but not limited to CHEM 102, CHEM 345, or CHEM 348.

About the Group: The Mancini Lab is interested in leveraging the tools of Organic and Polymer Chemistry to advance the field of Immunology. A primary contribution of our group has been the identification of unique molecular mechanisms that link immunogenicity to cancer cell metabolism. Several of the lab's research projects involve the total synthesis of target molecules that explore this concept and corresponding biochemical evaluation of the newly generated molecules. A second area of interest to the lab is the creation of new polymer chemistry methodologies that enable the culture of immune cells in precise 3 dimensional architectures with single-cell resolution.

For an example of our research see:

Burt, AJ; Hantho, JD; Nielsen, AE; Mancini, RJ "An Enzyme-Directed Imidazoquinoline Activated by Drug Resistance", *Biochemistry*, **2018**, 57(15), 2184-2188. DOI: [10.1021/acs.biochem.8b0009](https://doi.org/10.1021/acs.biochem.8b0009)
Additional information about the group is available on our website: www.mancinilab.com

Salary and Benefits: Initial appointment will be for 1 year (12 months) with the possibility of renewal pending satisfactory progress and mutual agreement. Compensation package includes a competitive salary, full medical / dental / vision coverage, and a relocation allowance for moving to Pullman, Washington. More detailed information can be obtained from the [Benefits Overview](#) page.

Required Qualifications: Ph.D. in organic chemistry, polymer chemistry, chemical biology, or related discipline. ABD applicants are equally competitive. The ideal applicant will have demonstrated research excellence, including an established publication record. As a member of the lab, the ability to work independently as well as collaboratively with other group members to perform required job duties is assumed. Excellent oral and written scientific communication skills are expected. In addition to communication in terms of publications and grantsmanship, the ideal candidate will have some teaching experience and be comfortable instructing large classes of undergraduate students in the chemistry curriculum.

How to Apply: Applicants should submit a cover letter, curriculum vitae, a one-page description of relevant research accomplishments, and contact information for three references. These documents should be submitted as a single PDF document to Dr. Amy Nielsen: amy.nielsen@wsu.edu with "Mancini Lab Post-Doctoral Application" in the subject line. The position is open until filled, however applications received by November 1, 2018 will receive priority consideration.

EEO Statement:

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