

# Post Doctoral Scientist

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## Posting Details

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### I. DEPARTMENT INFORMATION

**Job Description Summary:**

The Erik A. Rodriguez laboratory seeks a post doctoral scientist for a project titled "Tools to Image and Treat Cancer." The research group works on a broad range of projects, including evolving unique biophysical properties in fluorescent proteins, cellular and cancer fluorescence imaging, creation of unique genetically encoded proteins that utilize exogenous chemicals, and developing tools to image disease in humans ([https://blogs.gwu.edu/erik\\_rodriguez/](https://blogs.gwu.edu/erik_rodriguez/)).

This position is primarily a temporary/training position in which the incumbent plays a substantive role in planning and conducting research by designing and conducting experiments in a controlled laboratory setting. In collaboration with the Principal Investigator, this role will participate in the planning of independent research, will analyze and interpret data, will publish results, will represent the university at conferences and meetings, and may develop new theories and methodologies. This position may also help the Principal Investigator to lead and direct the work of lower level research staff. This role performs work under the supervision of experienced researchers. The position will report to Dr. Erik Rodriguez.

**Duties:**

- Employ molecular biology techniques to evolve and characterize fluorescent proteins and biosensors.
- Purify fluorescent proteins, synthesize fluorescent protein nanoparticles, and image cancer cells in cell culture.
- Performs other related duties as assigned. The omission of specific duties does not preclude the supervisor from assigning duties that are logically related to the position.

**Minimum Qualifications:**

Qualified candidates will hold a PhD in a related discipline. Degree must be conferred by the start date of the position.

**Additional Required Licenses/Certifications/Posting Specific Minimum Qualifications:****Preferred Qualifications:**

PhD in Chemistry, Biochemistry, Bioengineering, Biophysics, or related field.

Experience in a biochemical laboratory and scientific writing. Skills should include molecular biology, subcloning, DNA assembly, DNA purification, Oligo design, gel electrophoresis, protein biochemistry, protein evolution, lentiviral

or other viral expression and purification, cell culture, and fluorescence imaging. The candidate also needs strong written and verbal skills to disseminate results through presentations and publications.

**Typical Hiring Range** \$51,238 - \$64,150 [How is pay for new employees determined at GW?](#)

## II. POSITION INFORMATION

**Campus Location:** Foggy Bottom, Washington, D.C.

**College/School/Department:** Columbian College of Arts & Sciences (CCAS)

**Family** Research and Labs

**Sub-Family** Laboratory Research

**Stream** Individual Contributor

**Level** Level 3

**Full-Time/Part-Time:** Full-Time

**Hours Per Week:** 40

**Work Schedule:** M-F, 9:00 AM-5:00 PM

**Position Designation:** Essential: Employees who perform functions that have been deemed essential to maintaining business or academic operations. Employees are generally expected to work from home during an event and may be asked to physically report to work.

**Telework:**

**Required Background Check** Criminal History Screening, Education/Degree/Certifications Verification, Social Security Number Trace, and Sex Offender Registry Search

**Special Instructions to Applicants:** Two recommendation letters required. Please instruct references to send letters directly to erik\_rodriguez@gwu.edu.

**Internal Applicants Only?** No

**Posting Number:** R000704

**Job Open Date:** 12/18/2018

**Job Close Date:**

**If temporary, grant funded or limited term appointment, position funded until:** 01/31/2020

**Background Screening** Successful Completion of a Background Screening will be required as a condition of hire.

**EEO Statement:** The university is an Equal Employment Opportunity/Affirmative Action employer that does not unlawfully discriminate in any of its programs or activities on the basis of race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity or expression, or on any other basis prohibited by applicable law.

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## Posting Specific Questions

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Required fields are indicated with an asterisk (\*).

1. \* Will you have a PhD at the time of the appointment?
    - Yes
    - No
  2. \* Do you have strong experience in molecular biology and protein purification?
    - Yes
    - No
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## Applicant Documents

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Required Documents

1. Cover Letter
2. Curriculum Vitae

Optional Documents

None