

The George Washington University Postdoc Association

August Bulletin

Announcements

1. We are currently holding the Gold Star Postdoc Award competition for the highest attendance at GWPA events. The prize is travel funding for next year's National Postdoc Association Conference in Orlando, FL in April 2019!
2. Need to boost your broader impacts? AAAS (aaas.org) needs STEM professionals to assist K-12 teachers in the DC metro area during the 2018-19 school year. If you would like to volunteer, visit www.stemvolunteers.org for info or email bcalinge@aaas.org or call 202-326-6629.

Upcoming social events

Ice Cream Social Part 2, Thursday August 23rd at 1:00pm

Since our first ice cream social was so popular, please meet us again on the 5th floor of SEH (in the West Kitchenette- signs will be posted on the 5th floor) for a free bowl of ice cream, this time with even MORE flavors and toppings! Please RSVP with a quick email to gwpostdoc@gmail.com.



Upcoming professional opportunities

Stress Management Seminar, Wednesday August 29th 12:00 – 1:00pm

Location: SEH 2000

Learn how to manage your stresses and anxiety for a more productive lifestyle! This seminar will feature a speaker from the Colonial Health Center. **Lunch will be provided.** Please RSVP with a quick email to gwpostdoc@gmail.com.

Postdoc Appreciation Week Research Talks & Postdoc Mentor Awards

Submissions are now open!!! Postdoc Appreciation Week is Sept. 17-21, 2018 and we are holding an event for postdocs on Friday, Sept. 21st! The event will feature a postdoc Research Talk Competition (with **CASH PRIZES!!!!**), keynote speaker Dr. Josh Henkin, a networking lunch with professionals from a range of careers, and an awards ceremony for the winners of the Research Talk Competition and Mentor Award Competition. All postdocs in all fields are invited to participate and attend! If you wish to submit an abstract for the Research Talk Competition and/or a nomination for the Postdoc Mentor Award, both submissions are now open. You can register, view instructions and complete submissions via our [website](http://www.gwpostdoc.org). Presentations should be accessible to a broad audience, similar to a TED talk. Submissions are due August 31st at midnight.

Job postings (see more info for each posting in the footnotes at the end of the document)

AAAS Science & Technology Policy Fellowships (STPF)¹

Staff Scientist, Mass Spectrometry Facility, The National Institute of Dental and Craniofacial Research²

Positions in Quantum Information Research at AFRL in NM³

Group leader in the Cancer and Environment Department of the Cancer Research Center of Lyon⁴

¹AAAS Science & Technology Policy Fellowships (STPF): AAAS Science & Technology Policy Fellowships (STPF) provide opportunities to outstanding scientists and engineers to learn first-hand about policymaking and contribute their knowledge and analytical skills in the policy realm. Fellows serve yearlong assignments in the federal government and represent a broad range of backgrounds, disciplines, and career stages. Each year, STPF adds to a growing corps over 3,000 strong of policy-savvy leaders working across academia, government, nonprofits, and industry to serve the nation and citizens around the world. Applications for next year's fellowship class are open starting August 1st. To find additional information or to apply, check out this [link](#).

²Staff Scientist, Mass Spectrometry Facility: The National Institute of Dental and Craniofacial Research (NIDCR) is recruiting a highly motivated scientist to run a newly established Mass Spectrometry Facility and contribute to a diverse range of projects utilizing mass spectroscopy to solve important biological problems. The successful candidate will be skilled in and responsible for all aspects of method development, sample preparation, chromatography, data acquisition, data analysis and data interpretation using a variety of separations, mass spectrometry, and software platforms. Responsibilities also include mass spectrometer maintenance, providing project support, effectively communicating project progress, writing technical summaries, participating in all aspects of publication and grant writing, and maintaining, updating and troubleshooting of LC/MS instrumentation. For more details, see the [job posting](#) on the NIH website.

Qualifications: PhD in biochemistry, clinical, (bio)analytical chemistry or related disciplines; Documented hands-on experience with quantitative LC/MS; particularly important is expertise with ion fragmentation techniques including ETD, HCD, and CID; Experience with site-specific mapping of O-glycans and/or ubiquitin is a major plus; Ability to work accurately, with attention to detail, in a highly organized manner; Team player who can collaborate with multiple functional groups.

To Apply: Please submit a cover letter describing your interest in the position including a career synopsis (1 pages), statement of research interests (1 pages), a current curriculum vitae and complete bibliography, and the names and contact information of three references to Ms. Shirley Simpson (NIDCRstaffScientistSearch@nih.gov).

³Positions in Quantum Information Research at AFRL in NM: The Directed Energy Directorate of the Air Force Research Laboratory (AFRL) is seeking candidates for positions in quantum information science and technology. Positions anticipated at this time include a full-time civil-service research physicist and a post-doctoral researcher. Research will be conducted within the scope of an existing quantum communication applied research program. Requirements for eligibility include a Ph.D. in quantum information science, quantum communication, or quantum optics. US Citizenship and eligibility for a security clearance are also required. Experience is sought in the areas of 1) quantum entanglement and bell-state measurements, 2) quantum entanglement distribution, teleportation, and quantum key distribution (QKD), 3) quantum sources including entangled photon sources and non-Poissonian photon sources, and 4) quantum channels and quantum networks. A combination of laboratory and theoretical experience is desirable. Additional experience in free-space optical propagation is desirable but not mandatory. Additional experience with entanglement swapping, quantum memory, and quantum repeaters is also desirable but not mandatory. The civil-service research physicist will define and lead theoretical analysis, modeling, and simulations of free-space quantum channels, define and lead laboratory and field experiments, analyze data, document research results, present findings at scientific conferences, publish findings in peer-reviewed scientific journals, travel for program briefings to funding agencies, and create topic solicitations for small-businesses, universities and other government contractors. The postdoctoral researcher will conduct research and development in photon sources for quantum communication over long-distance free-space optical channels in support of the development of large-scale quantum networks. The postdoctoral researcher will also define and conduct laboratory and field experiments involving Bell-state measurements,

teleportation and QKD, analyze data, document research results, present findings at scientific conferences, and publish findings in peer-reviewed scientific journals.

Location: Starfire Optical Range, Kirtland AFB, New Mexico

Application Date: New candidates will be considered until positions are filled.

Resumes from interested individuals meeting qualifications may be sent to mark.gruneisen@us.af.mil.

⁴Group leader in the Cancer and Environment Department of the CRCL (Cancer Research Center of Lyon): Please see the information below.



**Call for group leader, researcher mobility with a position,
or wishing to apply for a position**

Cancer and Environment Department of CLB

Function

✓ Researcher

Description

Research project

The Cancer and Environment Department conducts interdisciplinary research on environmental exposures and cancer risk, with a particular focus on the role of exposure to pesticides and air pollutants. Research is based on interdisciplinary approaches, combining epidemiology, spatial methods and molecular approaches. Research is conducted through local, national, and international collaborations, including with IARC.

Within an interdisciplinary team and under the direction of the Department's head, the researcher will ensure the development of the research program in environmental epidemiology and will develop his own work in this area. The researcher may rely on an interdisciplinary team and existing data.

He will participate in the development of new approaches in collaboration with other teams, in particular on the integration of molecular approaches.

Main activities

- Coordination of studies in environmental epidemiology
- Search for funding and response to calls for projects
- Protocol writing, implementation and project management
- Analysis of epidemiological data and use of existing data
- Valorization, scientific publications
- Supervising students (PhD students, MASTER students, post-doctoral students...)

Associated activities

- Take part in the transversal scientific animation of the Department.

Knowledge

- Knowledge in the field of epidemiology, biostatistics and health-environment
- Good knowledge of the cancer domain is an asset.
- English read, written and spoken

Expertise

- Project management
- Ability to write responses to calls for projects
- Animation capability
- Epidemiological methods
- Statistical analyses
- Writing publications

Other

- Motivation, autonomy, scientific rigor and integrity, Adaptability and teamwork, Good oral and written communication, Interest in interdisciplinary work

Diplomas

- PhD in epidemiology or biostatistics, Experience in epidemiology or environmental epidemiology

Starting date

As soon as possible

Welcoming structure

CRCL/CLB UMR INSERM 1052-CNRS 5286I HESPER EA 7425, Université Lyon 1

Name

Centre de recherche en cancérologie de Lyon /Centre Léon Bérard, Department Cancer and Environment

Director

Alain Puisieux

Address	Centre de recherche en cancérologie de Lyon (CRCL) Centre Léon Bérard (CLB) UMR Inserm 1052 CNRS 5286 Mixte CLB 28 rue Laennec 69373 Lyon Cedex 08 France
Facilities	The center benefits from the top-level scientific environment, as well as of state-of-the-art technological platforms. In addition, research the department of environment is conducted through local, national, and international collaborations, including collaboration with the International Agency for Research on Cancer (IARC)
Team	Interdisciplinary research into environmental factors combining epidemiology, molecular approaches and spatial methods. Researchers : 4 ; Technicians : 6 ; PhD students : 4 Postdoc fellows : 3. Web site: www.centreleonberard.fr - www.cancer-environnement.fr
Team leader	Beatrice Fervers
The institute	The CRCL/CLB gathers around 450 researchers, lecturers, clinicians, engineers, technicians, PhD- Students and Post doctoral fellows. It is divided into 5 departments and 22 teams.
Contact	
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Applications	Applications should be sent to beatrice.fervers@lyon.unicancer.fr A motivation letter, A full CV (academic track, publications, patents, awards fellowships, invited conferences, teaching/training experience), Contact details of two academics referees who can be contacted