

**WEEKLY BULLETIN**  
DEPARTMENT OF CHEMISTRY, NORTHWESTERN UNIVERSITY  
EVANSTON, ILLINOIS  
**December 28, 2020**

**Contents**



[Return to Research Guidelines](#)

[New Arrivals](#)

[BIP](#)

[Upcoming Events and News](#)

[Job Openings & Recruiting](#)

 For a full schedule, including Center events, please see the [Department Calendar](#). 

## Return to Research Guidelines

[Return to Research Policy](#)

[COVID-19: Return to Campus Guidelines](#)

---

## New Arrivals

Shahnawaz Rafiq Rather (Postdoc) joins the Chen group on January 01, 2021

Justin Provazza (Postdoc) joins the Tempelaar group on January 01, 2021

Haomiao Xie (Postdoc) joins the Farha group on January 01, 2021

---

## BIP

BIP will be held virtually on Fridays, **10 am to 11 am**. The Zoom link will always be sent out **the Wednesday before the respective seminar to the BIP listserv!** Interested in giving a BIP talk or signing up to be on the BIP listserv? Email the new BIP Meisters, [Zoha Syed](#) or [Megan Kaster](#).

---

## Upcoming Events and News

### Call for Abstracts: Webinar Series for Early Career Chemists

JAWSCHEM is a virtual seminar series for chemists in the early stages of their career (i.e. undergraduates, graduate students, and postdocs, as well as people in industry and government/national labs). The goal of this seminar series is to fill the void of missed conferences and provide a platform for junior researchers to share their work with the worldwide chemistry community.

There is currently a call for abstracts from the chemistry community, and they welcome submissions from all over the world. Additional information about times and talk length can be found on our [abstract form](#) and [website](#). You can follow them on Twitter too ([@JAWSCHEM](#)).

## Job Openings & Recruiting

### Job Opening, Trinity College

Trinity College is seeking candidates for a tenure-track position in physical chemistry and a second potential tenure-track opening in the areas of organic chemistry or chemical biology at Trinity College. This second position could be made possible by the College's renewed Special Opportunity Hire program, which endeavors to recruit "scholars and teachers of exceptional achievement or promise who will diversify the faculty." Both positions would begin in the fall 2022 semester. The Department of Chemistry at Trinity is committed to recruiting, interviewing and hiring diverse candidates for both positions.



Trinity College is a coeducational, independent, nonsectarian liberal arts college located in Connecticut's capital city of Hartford. Our student body is diverse, coming from all socio-economic, racial, religious, and ethnic backgrounds across the U.S. and internationally. Faculty combine teaching excellence with productive research programs that engage undergraduate students. Trinity College is located in an urban environment and nearby institutions include Hartford Hospital, the Institute of Living, Connecticut Children's Medical Center, and University of Connecticut Medical School. Researchers at these institutions often have active collaborations with Trinity faculty. The Chemistry Department is exceptionally well-equipped for both teaching and research.

The ideal applicants would excel at teaching in their area of expertise and in our introductory courses, and who would establish or continue a productive research program that meaningfully involved undergraduate co-workers. Applications are welcome from graduate students, postdoctoral scholars or established faculty members who, through their research, teaching, and service, would contribute to the diversity and excellence of our academic community.

Applications may be submitted to:

Timothy Curran

Vernon K. Kriebel Professor of Chemistry and Chair Email: [timothy.curran@trinco ll.edu](mailto:timothy.curran@trinco ll.edu)

Telephone: 860-297-5276

## Tenure-track position in biochemistry at Beloit College

Beloit College invites applications for a tenure track faculty position in biochemistry to begin August 2021. The successful candidate will hold a Ph.D. in biochemistry or related field and teach courses in biochemistry and general chemistry. Willingness to teach courses in another area of chemistry (analytical, inorganic, or physical) preferred. We especially seek candidates who have demonstrated success in working with diverse populations of students. This position is an excellent opportunity to teach in a department known for innovative pedagogy. The successful candidate will also develop a research program related to some aspect of health, broadly defined, that engages undergraduates. This position places strong emphasis on advising undergraduate students in Biochemistry, Chemistry, and our multidisciplinary Health and Society program. The candidate will also contribute to all-college programs and serve in leadership roles in campus governance. More details can be found here: <https://www.beloit.edu/live/profiles/3870-assistant-professor-of-chemistry>



## Postdoc Opening at Pacific Northwest National Lab



The Center for Molecular Electrocatalysis at Pacific Northwest National Lab is seeking a postdoc to join their team.

The research will focus on the design of molecular catalysts for oxidation of ammonia, including synthesis, characterization, catalyst testing, and mechanistic studies. Expertise in the manipulation of air-sensitive compounds is essential, and experience in electrochemistry is helpful, but not required.

Applicants can apply for Job ID: 311445 by January 04 at <https://careers.pnnl.gov/JobOpeningID=311445>

## Tenure-track position in analytical chemistry at San José State University



The Department of Chemistry at San José State University is seeking applicants for a tenure-track appointment. We are seeking scholars with a specialization in Analytical Chemistry.

A PhD is required for the position and a post-doctoral work is encouraged, but not required. In addition, we seek candidates with a demonstrated awareness of and sensitivity to the educational goals of multicultural populations. Review of applications will begin on Dec 15th and continue until the position is filled. The complete job posting is available <https://jobs.sjsu.edu/en-us/job/497853/assistant-professor-chemistry>.

This position is an excellent opportunity for scholars interested in building a career at a teaching-centered institution that is a national leader in graduating URM students and is an Hispanic Serving Institution; 40% of our student population are first-generation and 38% are Pell-qualified. As a result, Money magazine has named SJSU as the #1 most transformative university.

### Job Opportunity at Luxottica North America

[Luxottica North America](#) is hiring 2 upcoming graduates to join their team in 2021. They are targeting master's and PhD students focusing on Organic Chemistry, with an emphasis on both physical and synthetic organic chemistry—[job description here](#).



## Postdoctoral Research Associate position at the University of Notre Dame



# UNIVERSITY OF NOTRE DAME

The University of Notre Dame has openings available for postdoctoral research positions at the Notre Dame Radiation Laboratory ([link](#)). The Radiation Laboratory is an interdisciplinary team of chemists and physicists who explore the basic science underpinning the effects of radiation across a broad range of non-medical applications, including nuclear power generation, high-energy materials characterization, and industrial processing. This postdoctoral position is for an experimental radiation chemist.

Topics of current interest include fast kinetics measurements of radical reactions in supercritical fluids and spectroscopic characterization of the host media and participating transients, along with investigations into the radiation stability of aqueous systems, liquid hydrocarbons and plastics to better understand their long-term stability in applications pertinent to the nuclear power industry.

This appointment would be for one year with the possibility of renewal.

Apply [here](#).



**Haogang Cai, PhD**  
Assistant Professor  
Health Technology and Engineering Institute  
(Tech4Health)  
NYU Grossman School of Medicine  
New York, NY, 10016

## **Postdoc, PhD positions in Optical Metasurface and Nanophotonics**

A postdoctoral position is available in the Cai Lab, part of the Health Technology and Engineering Institute (Tech4Health) at New York University Grossman School of Medicine (recently ranked # 4 in medical schools by [‘U.S. News & World Report’](#)). We build new paradigms of nanotechnology for biomedical applications, including optical metasurfaces for imaging and sensing, active tunable metasurfaces, and nano-engineered biomimetic materials. Our work has been published in high-impact journals including Nature Nanotechnology, Nature Materials, NPJ Comput. Mater., ACS Nano, Nano Letters, etc. This position is immediately available, and will remain open until filled. The postdoc will receive competitive stipend, and benefits provided by the NYU School of Medicine.

### **Who we’re looking for**

Candidates must have a PhD in engineering (electrical, mechanical, etc), optics, physics, materials science or an appropriate field. Those with expertise in optical metasurfaces (near infrared, visible), nanophotonic/plasmonic sensors, nanofabrication, are encouraged to apply. Those with hands-on cleanroom experience (e.g., e-beam lithography, RIE, SEM), a strong background in optics, optical experiments, and finite-difference time domain (FDTD) simulation are preferred. We seek candidates who are strongly motivated, open-minded, and capable of both independent and collaborative research work. Demonstrated ingenuity, productivity, communication and writing skills, and an excellent record of publications is preferred. We also have PhD student, research associate openings in related fields.

### **How to apply**

To apply, send your CV to Dr. Haogang Cai, at [haogang.cai@nyu.edu](mailto:haogang.cai@nyu.edu). Please include a detailed description of your research interests, a full list of publications, and names of at least two references.

### **Who we are**

The Tech4Health Institute, NYU Langone Health’s Institute for Health Technology and Engineering, is NYU Langone’s research and development hub for new biomedical instruments and technologies. With state-of-the-art facilities in Midtown Manhattan and an advanced rapid-response engineering team, the institute connects engineers and physical scientists with clinicians and life scientists to address key unsolved problems and unmet needs in biomedicine. Immersed in the unique vibrant and innovative environment of the New York City, and one of the foremost medical schools in the world, this is an ideal place for engineering researchers to design technologies improving human health. For more information, visit the lab website at <https://www.cai-labs.com/> and the institute website at <https://med.nyu.edu/departments-institutes/health-technology-engineering/>.

## illumina- Open Position

Illumina is looking for a chemist with experience in surface chemistry, nanoparticle synthesis/characterization, and bioconjugations. Based at our Headquarters in San Diego we require a Scientist to join our Research & Technology Development department as a Materials / Surface Chemist in a permanent role. As part of the Materials and Applied Surface Science group, you will play an integral role in developing new sequencing and array technologies and related applications. As the company moves fast so does the technology we use, the candidate will have to be adaptable to a wide range of techniques and methods used in life-sciences.



Visit [this page](#) for more details and to apply.

## Job announcement: Research Associate/ Group Leader

The Lab Dresden Center for Intelligent Materials (DCIM) is focused on novel materials which, as a central component of intelligent systems, feel, think and act autonomously through integrated sensory and actuator functionalities.



For more details, please refer to the following [announcement](#).

# Northwestern | Chemistry

## Research Assistant Professor for a New Lab Downtown

Dr. Karl Scheidt, a Professor in the Department of Chemistry and Department of Pharmacology at Northwestern University, is seeking a Research Assistant Professor with expertise in chemical and molecular biology for a new translational chemistry laboratory. The Research Assistant Professor will engage in research activities focused on advancing new molecules to understand biological function and expected to pursue independent grants, research and collaborations.



This is non-tenure, research faculty appointment for an initial period of up to three years and eligibility for renewal based on scholarly achievements and available funding. This position will be physically located on primarily on Northwestern's Medical School campus in Chicago, IL.

Only electronic application materials will be accepted. Northwestern University is an equal opportunity, affirmative action employer and does not discriminate against qualified individuals on the basis of race, color, religion, national origin, sex, pregnancy, sexual orientation, gender identity, gender expression, parental status, marital status, age, disability, citizenship status, veteran status, genetic information, or any other protected class. Individuals from all diverse backgrounds are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Applications should be submitted via email and sent to [scheidt-ofc@northwestern.edu](mailto:scheidt-ofc@northwestern.edu). Please include a cover letter detailing your research experience, CV, three representative publications, and contact information for three references. Review of applications will begin immediately.

**Minimum Qualifications: (Education and experience)**

- Doctoral degree in the area of chemical biology/molecular biology/biological sciences or a related field of study with at least 2 years of relevant postdoctoral experience.
- Strong publication record and proven potential for independent extramural funding.

**Minimum Competencies: (Skills, knowledge, and abilities)**

- Strong interpersonal and communication skills and a desire to engage in team-based research and collaboration are necessary.
- Working knowledge of chemistry is essential to integrate effectively with translational chemistry projects at the University and within Dr. Scheidt's laboratory.
- Strong writing skills demonstrated through authorship of publications or independent grant research awards.
- Highly motivated and able to manage multiple projects and keep pace in a dynamic research environment.

---

Do you have news or opportunities to share in the Weekly Bulletin?  
Please email them to Colleen Kjellberg at [colleen.kjellberg@northwestern.edu](mailto:colleen.kjellberg@northwestern.edu)

For an archive of the Department of Chemistry's Weekly Bulletins, please visit: [Bulletin Archive](#)