

WEEKLY BULLETIN
DEPARTMENT OF CHEMISTRY, NORTHWESTERN
UNIVERSITY
EVANSTON, ILLINOIS
November 16, 2020

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New Arrivals

There are no new arrivals for this week.

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



Northwestern | CHEMISTRY

Julian West

Rice University

Wednesday, 18 November 2020

3:00 – 4:00 p.m.

Presentation: “Catalytic Reactions for the 21st Century”

Event link: <https://northwestern.zoom.us/j/97414494584>

Hosted by the Undergraduate Chemistry Council

Contact: Abby Rosensweig
chemhelp@northwestern.edu

Zoom Link for the event: <https://northwestern.zoom.us/j/97414494584>

Please note that attendees must use a [u.northwestern.edu](https://northwestern.edu) or northwestern.edu Zoom account ([logged in using SSO Credentials](#)) to attend the event for Zoom security purposes.

If you have any questions or concerns, please contact Abby Rosensweig at chemhelp@northwestern.edu

Call for Abstracts: Webinar Series for Early Career Chemists

JAWSCChem 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 ([@JAWSCChem](#)).

Job Search Resources & SMART Professional Goals for PhDs

Tuesday, November 17 from 12:30-1:30PM CST

Led by NCA's PhD Career Adviser, we will explore job search strategies and resources offered at Northwestern for a variety of career pathways. Participants will spend time focused on resources for graduate students and provide a framework for establishing professional goals at every stage of the process. We'll also spend time discussing considerations and search approaches during the pandemic. Registration via [Handshake](#) is required for this event.



3rd Annual Conference on Quantitative Approaches in Biology November 19-21

This conference is a free three-day virtual event that includes a range of activities to stimulate the cross-fertilization of ideas, professional development, and new collaborations. To register and for more information visit <https://www.qbioconference.com/>

NCA/CAPS: Managing Stress, Emotions, and the Job Search Through COVID (For PhDs)

Tuesday, December 1, from 12-1PM CST

Co-facilitated by Adam Hibma, CAPS staff psychologist, and Elysse Longiotti, PhD Career Adviser, we'll spend time discussing stress management as a doctoral student through the pandemic. Identifying strategies for recognizing and managing emotions, we'll present approaches to re-gain agency and control in order to put structure around the doctoral job search. Registration is limited and required through [Handshake](#).

Careers in Patent Law: Session with Wilson Sonsini

Wednesday, December 9, from 12-1PM CST

Interested in a career in intellectual property and patent law? Please join Laurie McNamara, Jim Malecha, and Jose Martinez (Northwestern alums) from Wilson Sonsini Goodrich & Rosati to hear more about opportunities for graduate students and postdocs. The event will consist of a short presentation and interactive case lead by Laurie McNamara (NU PhD alumna). The case activity will be followed by an open Q&A with current patent agents, who can discuss how they transitioned from academia to working at a law firm. Participants are welcome to submit questions in advance via email to momar@wsgr.com.

Wilson Sonsini Goodrich & Rosati is the premier legal advisor to technology, life sciences, and growth enterprises worldwide, as well as the venture firms, private equity firms, and investment banks that finance them. Wilson Sonsini's patents and innovations practice helps clients leverage their intellectual property, defend against claims of others, and establish a competitive position for the future in fields such as therapeutics, biologics, personalized medicine, research tools, and clean technologies.

Registration via [Handshake](#) is required for this event.

Special Issue in Honor of Professor Tobin J. Marks

The November 21 issue of the *Journal of Materials Chemistry C* is a special themed issue in celebration of Tobin Marks' 75th Birthday. Congratulations to Tobin and all of his students and collaborators!



Job Openings & Recruiting



Tenure-Track Faculty Position in Computational/Theoretical Chemistry

The Department of Chemistry at UNT invites applications for a tenure-track faculty position in the broad area of Computational and Theoretical Chemistry. The position will be at the rank of Assistant Professor and has an expected start date of August 2021.

We are seeking individuals who have a record of research accomplishment and compelling ideas for building an independent research program in any area of computational/theoretical chemistry. Candidates whose research complements or builds upon existing strengths in the department are especially encouraged to apply. The selected individual will interact with diverse faculty, staff and students within the Chemistry department and in other disciplines, contributing to a strong tradition of interdisciplinary and collaborative computational research at UNT. Development of a nationally and internationally visible, funded research program is expected. The new faculty member will have access to computing resources and collaborative opportunities through the Center for Advanced Scientific Modeling (CASCAM, <http://cascam.unt.edu/>), a multi-departmental group centered in the Chemistry Department which supports research, education, training, and outreach in computational science.

The University of North Texas (UNT) is a Carnegie R1 research university and a federally designated Hispanic-Serving Institution and Minority-Serving Institution, with a diverse population of over 40,000 students. UNT is located in Denton, [a cultural hot spot](#) on the northern edge of the Dallas-Fort Worth Metroplex, [one of the fastest growing metropolitan areas in the country](#). The [UNT Chemistry Department](#) is in a growth phase, having hired an endowed Welch Chair in Chemistry and three junior faculty in the past year, with plans to hire up to six additional tenure-track faculty over the next few years. Our department has a strong culture of interdisciplinary collaboration, with specific strengths in computational chemistry, photochemistry, and materials chemistry. New faculty have the opportunity to contribute to these areas, as well as interfacing with a growing interdisciplinary emphasis in Chemical Biology within the Chemistry Department and in collaboration with the [BioDiscovery Institute \(BDI\)](#) and other units on campus. The UNT Chemistry Department is dedicated to creating a climate that values and promotes diversity, equity, and inclusion, and we welcome applications from people of color, women, and LGBTQ+ individuals.

Applicants should submit materials by visiting <http://jobs.untsystem.edu> and searching for posting number F310P, or by [following this link](#). A cover letter, curriculum vitae, a research proposal, a statement of teaching philosophy, and a diversity statement are requested. In addition, please supply names and contact information for three professional references, and arrange for reference letters to be emailed to chemjobs@unt.edu with "Assistant Professor" in the email subject line. Evaluation of applications will begin on December 1, 2020 and will continue until the position has been filled.

For more information, please visit websites for the UNT College of Science <https://cos.unt.edu/> and the Department of Chemistry <https://chemistry.unt.edu/>.

The University of North Texas System and its component institutions are committed to equal opportunity and comply with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University of North Texas System and its component institutions do not discriminate on the basis of race, color, sex, sexual orientation, gender identity, gender expression, religion, national origin, age, disability, genetic information, or veteran status in its application and admission processes, educational programs and activities, and employment practices.

Job Opening, University of Southern California

The Department of Chemistry in the Dana and David Dornsife College of Letters, Arts and Sciences at the University of Southern California (Los Angeles, California) invites applicants for a tenure track Assistant Professorship in the areas of physical chemistry, chemical biology and organic chemistry, to start August 16, 2021. Candidates should have a Ph.D. and postdoctoral experience.



The Chemistry Department is highly collaborative and holds diversity, equity and inclusiveness as core values. Candidates that will contribute to the excellence as well as diversity of our academic community are strongly encouraged. We are committed to supporting the family needs of faculty and encourage candidates from non-traditional career paths and those that have demonstrated commitments to advancing diversity and inclusion through their career. Candidates have access to USC Provost's Assistant Professor Fellowship, which can provide additional time, research support and resources to transform their scholarship into extraordinary platforms for their own independent research prior to start of the tenure clock. The Department also offers flexibility in appointment start date. Candidates at any early career stage are encouraged to apply. Candidates should submit their application online at <http://chem.usc.edu/facsearch> with a cover letter, curriculum vitae and a detailed description of their research and teaching plans. In order to be considered for this position, applicants are also required to submit an electronic USC application; follow this job link or paste in a browser: <https://usccareers.usc.edu/job/los-angeles/assistant-professor-of-chemistry/1209/17813341>

A separate statement on contributions and future plans in advancing diversity, equity and inclusion should be provided. The names and addresses of at least three individuals who will provide letters of recommendation will be requested on-line. The committee will begin evaluation of files that include three letters of recommendation on December 1, 2020 and applications will be considered until the position is filled.

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



Trinity College
HARTFORD CONNECTICUT

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@trincolle.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>

The logo for Beloit College, featuring the words "Beloit" and "College" in a white serif font, stacked vertically, against a dark blue rectangular background.



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. 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.

illumina®

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. 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

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