

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

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New Arrivals

There are no new arrivals 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

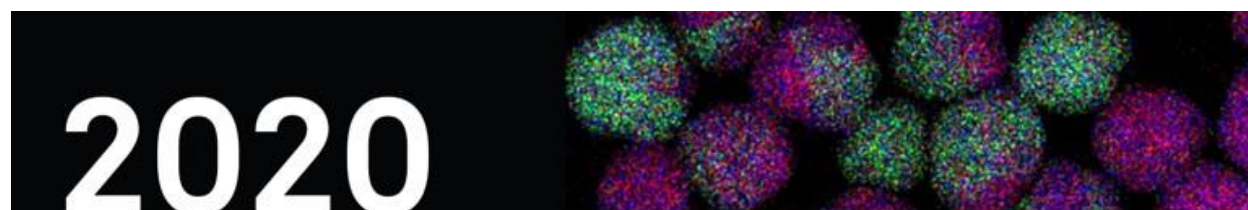
Graduate Liaison Committee's (GLC) Faculty Research Colloquium

Please join us as Professor Joseph (Joe) Hupp presents the Graduate Liaison Committee's (GLC) Faculty Research Colloquium on Wednesday, 30 September 2020 at 3:00 p.m. via Zoom: <https://northwestern.zoom.us/j/94891608131>. For more information on the GLC, please see their [website](#).



Department of Chemistry Colloquium- David Powers, Texas A&M

Please join us as Professor David Powers presents the Department of Chemistry Colloquium on Wednesday, 7 October at 3:00 p.m. via Zoom: <https://northwestern.zoom.us/j/95984108842>
For more information please contact Amy Masters at freedman-ofc@northwestern.edu



International Institute for Nanotechnology Virtual Symposium Thursday, Oct. 29 • 10:00 a.m. to 2:50 p.m. (CT)

Hosted by Chad A. Mirkin, this event will explore the frontiers of science — from the exceedingly small to the mind-bogglingly large.

The IIN Symposium is designed for students, researchers, executives, and lay people who are interested in groundbreaking scientific discoveries and interdisciplinary research. There is no cost to attend, but advance [registration](#) is required. Register today and a link to join the virtual symposium will be sent to you by email on the day of the event.

Northwestern



NSF-SIMONS CENTER FOR
QUANTITATIVE BIOLOGY

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/>

sigma-Aldrich chemistry symposium - Midwest Region

Call for Virtual Poster Presentations

Share Your Research with Others in the Midwest

We appreciate the chemistry focus of research institutions in America's heartland. For that reason, we are hosting a virtual symposium exclusively for midwest researchers, and we want to feature some of the important research going on in the region.

Read on to find out how you can get the opportunity to present your work to other researchers from the midwest.

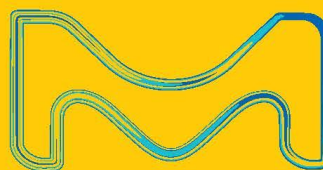
Event At-A-Glance

Date	October 21st, 2020
Location	Virtual event hosted by MilliporeSigma
Agenda	<p>Lectures by two keynote speakers</p> <p>Presentations on research from around the midwest</p> <p>30-minute MilliporeSigma seminar</p>

**See the next page for details
on how to submit your
research for consideration.**

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Lit. No. MS_FL5884EN Ver. 1.0 31564 04/2020





How to enter your research:

Your submission for consideration only consists of two important questions:

- 1) What is your research?
- 2) What is going on outside of the fume hood?

We'd like to know what you are researching and why (along with any results you'd feel comfortable sharing), but we also want to know a little more about you, hence the 'outside the fume hood' question. This could be anything from what keeps you focused to the reasons why you have a drive to discover.

You can enter your responses to these questions at:

bit.ly/midwest-chem

Please submit your responses by October 2nd.

Selection Process:

Representatives at MilliporeSigma will evaluate the responses after the submission period ends on October 2nd. Those selected to present at the symposium will be notified the week of October 5th.

Requirements:

Should you be selected to present your research at our Symposium on October 21st, we ask that you:

- present live on October 21st in the afternoon (time TBD)
- prepare up to three slides and a ten-minute synopsis to cover your research and results

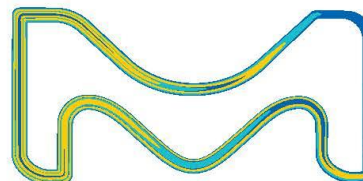
We plan to have a five-minute question and answer session after each presentation.

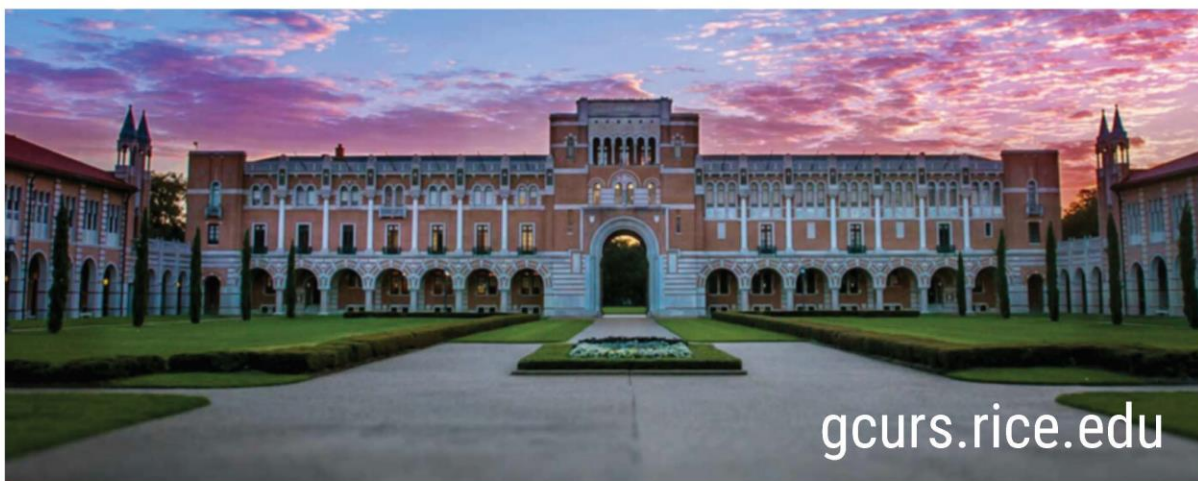
If you are selected and agree to present your research at the symposium, we will award you with a \$150 gift card as a token of our appreciation.

IMPORTANT: Please do not submit any information that is confidential or that you would not want shared outside of your university or department.

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Electrical and Computer Engineering
Materials Science and Nanoengineering
Mathematics
Mechanical Engineering
Physics and Astronomy
Systems, Synthetic & Physical Biology



RICE

Job Openings & Recruiting

Postdoctoral Research Position at PNNL

Pacific Northwest National Laboratory is looking for a postdoc to join the Catalysis Science group. The research will focus on designing molecular capture agents to remove carbon dioxide from air. Experience with molecular electrochemistry, especially cyclic voltammetry and controlled potential electrolysis, is preferred.

Applicants can apply for job ID 311210 by October 19 at: <https://careers.pnnl.gov/JobOpeningID=311210>



ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY and BIOCHEMISTRY (9-month, Tenure Track appointment)



Samford University's Howard College of Arts and Sciences invites individuals interested in serving in a Christian university environment to apply for an assistant professor position (biochemistry) in the Department of Chemistry and Biochemistry, beginning August 2021. This tenure-track full-time faculty position is a 9-month appointment.

Qualified candidates will hold a Ph.D. degree in biochemistry or chemistry. Postdoctoral research and/or teaching experience is desirable. Primary teaching responsibilities will be in biochemistry, with additional duties in general or nursing chemistry. The successful applicant will be expected to develop an active research program in biochemistry (broadly defined) involving students. Start-up funds are available along with support for summer research students. Collaborative research opportunities are also available at the University of Alabama at Birmingham and Southern Research Institute (in Birmingham). The successful applicant will be expected to participate in various service activities in the department, college and larger university community.

The department currently comprises eight full-time faculty members, offers majors in chemistry and biochemistry, and graduates about ten majors per year. For more information, see the department web page: <https://www.samford.edu/arts-and-sciences/chemistry-and-biochemistry/>.

Samford University (www.samford.edu) is the largest privately supported and fully accredited institution for higher learning in Alabama. Located in suburban Birmingham, the University was founded in 1841 and has 425 full time faculty and more than 5,600 students representing 44 states and 30 countries. Samford has been nationally recognized for academics, affordability and value by a number of prestigious publications and rankings. The Wall Street Journal ranks Samford 3rd nationally for student engagement and Kiplinger's Personal Finance ranks Samford 34th among private universities in the U.S. for value and affordability. The University is dedicated to the promotion of rigorous academic inquiry in a Christian setting. The University offers competitive salaries with a generous benefits package.

Review of applications will begin October 1, 2020 and will continue until October 19, 2020.

Please submit an application letter, curriculum vitae with names and contact information of three references, description of teaching experience, description of research interests and activities, along with an application for faculty position and the faculty applicant Christian mission statement (links below).

"Application for Faculty Position" can be found at:

https://www.samford.edu/departments/files/Human_Resources/application-for-faculty-employment.pdf

Please submit all materials in PDF format to:

FACAPP@Samford.edu

ATTN: Chemistry Department Chair

Full Time Chemist Position at O2M

O2M expects to have a an opening for an Organic Chemist (Application Scientist) soon. The New-hire will establish a chemistry lab and perform complex synthesis of trityl radicals as described in the attached article. The level of expertise needed can be achieved with approx. 8-10 years of experience (PhD + 2-3 years of post-doc experience) in synthetic organic chemistry. The position will be located at O2M lab residing in UIC incubator facility, however the new-hire will work in close coordination with the group of Prof. Viresh Rawal at the University of Chicago dividing time between O2M and the University of Chicago efficiently. Please submit a cover letter, current CV, contact details of 3 references, and pdfs of 2 relevant publications. The eligibility to work in the USA is a must. O2M will also have a position of chemistry technician open in coming months.



Submit materials to:

Mrignayani Kotecha, PhD

Founder/CEO

O2M Technologies, LLC

Email: mkotecha@o2map.com



Research Scientist, Medicinal Chemistry

At Gilead, we strive to transform the promise of science and technology into therapies that have the power to cure, prevent or treat disease. We have worked tirelessly to bring forward medicines for life-threatening diseases in the areas of HIV, AIDS, liver diseases, hematology and oncology, and inflammation and respiratory diseases. The way we see it, the impossible is not impossible. It's simply what hasn't been achieved yet. This is how we built a culture of excellence that is fueled by a passion for improving lives of people around the world. We are growing a diverse team of professionals and we need your unique talents, expertise and background to help millions of people around the world live healthier.

Job Description:

As Research Scientist you will have the responsibility to design and execute the synthesis of novel molecules within a multi-disciplinary drug discovery team. The proposal of new molecular targets, application of scientific rigor, and application of creative solutions to challenging problems are essential skills. The successful candidate will have an excellent track record and a commitment to tackling drug discovery challenges through organic synthesis. Preference will be given to individuals with excellent leadership skills and a strong desire to succeed.

Qualifications:

- Ph.D. in Organic Chemistry with an emphasis on synthetic methodology or total synthesis.
- Exceptional synthetic skills and knowledge of modern organic synthesis techniques.
- Strong written and oral communication skills with a high-impact publication record.
- Desire to work in multi-disciplinary teams, learn new skills, and proactively solve problems.



To apply, please email your CV and a short research summary to: jenna.franke@gilead.com

Research Associate, Medicinal Chemistry

At Gilead, we strive to transform the promise of science and technology into therapies that have the power to cure, prevent or treat disease. We have worked tirelessly to bring forward medicines for life-threatening diseases in the areas of HIV, AIDS, liver diseases, hematology and oncology, and inflammation and respiratory diseases. The way we see it, the impossible is not impossible. It's simply what hasn't been achieved yet. This is how we built a culture of excellence that is fueled by a passion for improving lives of people around the world. We are growing a diverse team of professionals and we need your unique talents, expertise and background to help millions of people around the world live healthier.

Job Description:

As a Research Associate, you will join a cross-functional research team whose goal is to discover curative medicines for life-threatening diseases. With state-of-the-art research facilities and a team of experienced scientists who are passionate about discovering drugs, the Medicinal Chemistry group at Gilead empowers every chemist to take part in the act of invention. In a 1:1 reporting structure, Research Associates collaborate with their scientific mentor to design and efficiently synthesize molecular targets for evaluation as potential drug candidates. In addition to developing custom syntheses, you will be responsible for generating molecular designs by interpreting and integrating biological data. Interactions with colleagues in biology and other disciplines offer new avenues for development and are facilitated through team meetings where all levels of the department join discussions and contribute ideas.

Responsibilities and Skills:

- Conduct multi-step synthetic sequences toward key target molecules, using appropriate purification and compound characterization techniques
- Maintain a high level of scientific integrity and laboratory safety
- Apply independent thinking to resolve synthetic and chemical biology challenges
- Analyze and accurately record data using Electronic Laboratory Notebooks
- Participate in and present results at team meetings
- Demonstrate good verbal and written communication and interpersonal skills

Qualifications:

- BS or MS degree in Organic Chemistry including synthetic chemistry research experience
- Experience with multi-step synthetic organic chemistry
- Familiarity with modern chromatographic and analytical techniques, including flash chromatography, HPLC, LCMS and NMR
- Familiarity with ChemDraw and literature searching software (SciFinder or Reaxys)
- Strong desire to work in multi-disciplinary teams, learn new skills and proactively solve problems



To apply, please email your CV and a short research summary to: jenna.franke@gilead.com

Tenure-Track Assistant Professor of Chemistry, Lawrence University

Lawrence University of Wisconsin, a selective undergraduate liberal arts college and conservatory of music located in Appleton, Wisconsin, invites applications for a full-time tenure-track Assistant Professor in Biochemistry to begin September 1, 2021. This person will join faculty in the Chemistry department and interdisciplinary Biochemistry (major/ minor) program.

We are seeking an individual who is a dedicated teacher passionate about working with undergraduate students in a liberal arts setting, an active and engaging scholar, and an effective mentor for students from diverse backgrounds.



The successful candidate will develop and teach courses in biochemistry, playing an instrumental role in developing curricula for our Chemistry and Biochemistry programs. Primary teaching duties include: teaching, assessment of student work, advising and mentoring students, collaborating with faculty on curriculum development, and related program/departmental and institutional duties. The teaching load is two courses per term (or one course for a course that includes two lab sections) for three ten-week terms a year, including participation in Lawrence's flagship Freshman Studies program approximately every third year. The Freshman Studies curriculum presents an interdisciplinary introduction to the liberal arts intended to support new students' fundamental skills as readers, writers, and thinkers.

Candidates must have the ability and desire to lead an independent undergraduate research program, and otherwise, connect scholarship with teaching. Laboratory space and start-up funds are available for establishing a research program. Candidates' research can be in any broad category of biochemistry. In their research statement, candidates are encouraged to discuss how their scholarship may be particularly suited to an undergraduate setting, and how prior experience, such as postdoctoral work, has informed and prepared the candidate for a research program at Lawrence.

Candidates must have a PhD in biochemistry or closely related field at the time of appointment (09/01/2021), but may be all but dissertation at the time of selection. To apply submit the following at <https://lawrence.peopleadmin.com>: (1) a letter explaining your interest in Lawrence and describing ways you can help Lawrence become more inclusive, (2) a curriculum vitae, (3) statements on teaching, research, and diversity (as a single PDF document), and (4) three letters of recommendation (two of which address the candidates ability to teach and mentor students). In their teaching statement, candidates are should address their commitment to fostering a truly engaged and supportive experience for a diverse community of learners. Applications will be evaluated starting October 1st, 2020, and will continue until the position is filled. More details here: <https://lawrence.peopleadmin.com/postings/414>

Post-doctoral Position open at University of Florida

<https://facultyjobs.hr.ufl.edu/posting/78553>

A Post-doctoral Associate position is available in the Department of Chemistry to work in a project on the Catalytic Synthesis of Cyclic Polymers led by Prof. Adam S. Veige in Chemistry. We have a position available in our group to work with industrial partners on (1) the application of our novel catalysts for the synthesis of commercially relevant cyclic polymers, and (2) the optimization, development, and characterization of new organometallic complexes for ring expansion polymerization for the production of cyclic polymers. The Veige group particularly welcomes applicants who can contribute to a diverse and inclusive environment through their scholarship, teaching, mentoring, and professional service. Please see <https://diversity.clas.ufl.edu/diversity-statement/> for more information about diversity and inclusion in the College of Liberal Arts and Sciences. The university and greater Gainesville communities enjoy a diversity of cultural events, restaurants, year-round outdoor recreational activities, and social opportunities.



Registration Open! Northwestern Career Advancement (NCA)

Fall Job & Internship Virtual Fair

The NCA Fall Job & Internship Fair will be a two-day virtual event held on September 29 & 30, 2020:

Tuesday, September 29, 1:00pm-5:00pm CT: Employers hiring Full-Time roles

Wednesday, September 30, 1:00pm-5:00pm CT: Employers hiring Internship roles

To register, you'll need to log in to Handshake and then select Events > Career Fair.

Registration is required to participate in the virtual fair. Click [here](#) for more information.

In this virtual format you'll be able to:

- Meet with employers. Interact with recruiters through video, audio, or chat.
- Discover new career opportunities. Get personalized recommendations based on your Handshake profile for which employers to connect with.
- Never wait in line, ever. Pre-schedule 1:1 or group sessions with employers ahead of the fair or on the day-of.
- Make an impression. Bring your unique perspective to the table, ask great questions, and follow up with recruiters after the fair.



Open Position: Eastern Illinois University, College of Liberal Arts and Sciences

Instructor of General Chemistry



The Department of Chemistry & Biochemistry at Eastern Illinois University invites applications for a one-semester position: Instructor of General Chemistry. Duties begin in January, 2021. A Ph.D. in chemistry or a closely related field is preferred. Teaching duties will include general chemistry lecture and lab courses, as well as Inorganic Chemistry I lecture. An ability to teach major courses outside of the organic or biochemistry areas would be valued, and demonstrated commitment to diversity and experience promoting inclusive excellence is required. Applicants should email a cover letter and current [CV](#) to Dr. Edward M. Treadwell at emtreadwell@eiu.edu, and should include the names and contact information of three references.

Application review begins October 19, 2020 and will continue until the position is filled. For additional information, contact Dr. Edward M. Treadwell (Department Chair) at emtreadwell@eiu.edu.

Information on our Department can be found at www.eiu.edu/eiuchem, and about the university at www.eiu.edu.

Eastern Illinois University is an Affirmative Action/Equal Opportunity Employer - minority/female/disability/veteran - committed to achieving a diverse community

Postdoctoral positions in chemical biology for candidates with a synthetic background



The Dickinson Lab at the University of Chicago is currently seeking postdoctoral fellows to join research initiatives focused on medicinal chemistry and chemical probe development.

Candidates with a strong background in synthesis (for example, a Ph.D. focused around total synthesis, methodology, or small molecule-based chemical biology etc.) are encouraged to apply. This is an opportunity to deploy skills in synthesis to make impacts in biology while gaining experience and training in chemical biology during the postdoc experience. The project area focuses on probing and modulating protein lipidation regulatory proteins – and exciting area of biology with potential clinical impacts. For examples of our work in related areas, see:

[Nat. Chem Biol., 15, 1232-1240 \(2019\)](#)

[Nat. Commun., 9, 334 \(2018\).](#)

[Nat. Chem. Biol. 13, 150-152 \(2017\).](#)

The Dickinson group is a dynamic and collaborative environment in which postdocs play key leadership roles in group and project development. Recent members of the lab have gone onto academic positions at both PUI and R1 institutions, as well as biotechnology industrial positions. To apply, please email a single pdf containing a cover letter, CV, contact information for references, and reprints of manuscripts published or submitted during graduate school to Professor Dickinson at Dickinson@uchicago.edu

Tenure-Track faculty position at the level of Assistant Professor in the Chemistry Department at Dartmouth College

Applications are invited for a Tenure-Track faculty position at the level of Assistant Professor in the Chemistry Department at Dartmouth College, starting July, 2021, in the broadly defined area of Organic Chemistry.

Qualifications

The Department of Chemistry seeks an individual with a PhD in chemistry who will establish a nationally recognized research program in organic chemistry broadly defined and is motivated by the use, discovery and development of new reactions and chemical reactivity within the fields of organic, organometallic, catalytic, materials or biological chemistry. We particularly seek an individual who strive to innovate in a manner that will eventually drive unique collaborative research projects within the department and involving other Dartmouth researchers, including those at the Geisel School of Medicine, Norris Cotton Cancer Center, Thayer School of Engineering and/or Irving Institute for Energy and Society. The successful candidate will have the potential to excel at teaching organic chemistry and other courses in both our undergraduate and graduate curriculum and contribute to Dartmouth initiatives in STEM diversity, such as the Women in Science Program, E.E. Just STEM Scholars Program and Academic Summer Undergraduate Research Experience. Dartmouth is highly committed to fostering a diverse and inclusive community of students, faculty and staff. We are especially interested in applicants who are able to work effectively with those from all backgrounds, including, but not limited to, racial and ethnic minorities, women, individuals who identify with LGBTQ+ communities, individuals with disabilities, veterans, individuals from lower income backgrounds, and/or first generation college students.

Application Instructions

Applicants should state in their cover letter how their teaching, research, service and/or life experiences have prepared them to advance Dartmouth's commitment to diversity, equity and inclusion. Applicants should submit a curriculum vitae, a description of their research accomplishments and future plans, and a statement of their teaching and mentoring interests, including a discussion of past accomplishments and future goals. They should also arrange for at least three letters of reference to be sent on their behalf. All inquiries and applications will be treated confidentially. Applicants are invited to submit their materials via Interfolio at <http://apply.interfolio.com/78207>. The Committee will begin to consider completed applications on **October 15, 2020**.



Tenure-Track Faculty Position in Chemistry or Chemical Biology

Memorial Sloan Kettering Cancer Center (MSK) seeks innovative individuals for a tenure-track position in the Chemical Biology Program. We seek candidates with strong research accomplishments in organic chemistry or chemical biology and interests in bringing chemical approaches to bear upon problems at the interface with biomedical research, including basic and translational research and across all disease areas. Women and underrepresented minority candidates are especially encouraged to apply.



MSK has a rich history in chemical research spanning over 70 years, and we are continuing our recent expansion in this area. We provide a unique and collaborative scientific environment, exceptional research facilities and resources, and generous startup packages. Faculty are eligible to hold appointments in and to recruit students from multiple outstanding graduate programs, including the Tri-Institutional PhD Program in Chemical Biology, Tri-Institutional MD-PhD Program, Gerstner Sloan Kettering Graduate School of Biomedical Sciences, and Weill Cornell Graduate School of Medical Sciences. The application deadline is **October 15, 2020**. Interested candidates should visit <https://facultysearch.ski.edu> to access the online application and to obtain important information on required application materials and deadlines. Applicants must have a PhD degree in chemistry, biochemistry, chemical biology, or a closely related discipline, and a strong track record of scientific achievement.

Do you have news or opportunities to share in the Weekly Bulletin?
Please email them to Morgan Eklund at morgan.eklund@northwestern.edu

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