

**WEEKLY BULLETIN**  
DEPARTMENT OF CHEMISTRY, NORTHWESTERN  
UNIVERSITY  
EVANSTON, ILLINOIS  
**August 17, 2020**

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

## Return to Research Guidelines

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## New Arrivals

There are no new arrivals this week.

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## BIP

[BIP](#) is over for the academic year and will return in the fall.

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## Upcoming Events and News

### REACT virtual instrumentation seminar series:

#### For the General User

**Next Presentation Topic:** Measuring Reaction Rate Kinetics

**Presented by:** Neil Schweitzer (REACT)

Tuesday, August 18<sup>th</sup>, 1pm-3pm (Central Time)

Please register [here](#).



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## Job Openings & Recruiting

### LAST DAY TO APPLY

**Eli Lilly Virtual Recruiting – Application Deadline is Today, August 14**

Eli Lilly will be hosting an information session and virtual recruiting event on 27-28 August. The information session will be open to individuals early in their academic careers, as well as those candidates looking for career opportunities in medicinal chemistry and process chemistry in San Diego and Indianapolis. Details on the information session will be forthcoming.



Interested candidates should send their resume and 2-3 page research summary to [sophie.tidd@northwestern.edu](mailto:sophie.tidd@northwestern.edu) no later than August 14. No exceptions, please. Kindly review the attached for information on the available positions. In the upper righthand corner of the resume, please indicate which position(s) you are interested in applying for.

### **3M Corporation will be Hosting Virtual information Sessions**



**MONDAY, AUGUST 17**

**3M VIRTUAL INFORMATION SESSION for DATA SCIENCE / MACHINE LEARNING**

Via - [Microsoft Teams](#)

4:00pm to 5:00pm, CST

Majors of Interest: Applied Math, Applied Physics, Computer, Computer Sci, Electrical, Mechanical, Master in Analytics, Master in Artificial Intelligence, Master in Information Technology, Master in Robotics, Master in Theoretical and Applied Mechanics  
MS and PhD for Full-time

**3M VIRTUAL INFORMATION SESSION for OVERVIEW and R&D CAREERS**

5:00pm to 6:00pm, CST

Via [Microsoft Teams](#)

Majors of Interest: Applied Math, Applied Physics, Biomedical, Chemical, Electrical, Materials Sci, Manufacturing and Design, Mechanical,  
PHD for Full-time

**3M will be hosting virtual interviews sometime between August 27 and September 4.**

[Job# 26653704 - Data Science for MS and PHD](#)

[Job# 26653706 - Machine Learning for MS and PHD](#)

[Job# 26653700 – Senior Research Biologists, Chemists, Material Scientists, Physicists for R&D for PHD Only.](#)

All positions are full-time. US, Permanent Residents, F1 Visa and J1 considered.

Applications must be submitted through 3M's website at [go.3m.com/RR2020CENTRAL](https://go.3m.com/RR2020CENTRAL)

All McCormick students have an account within McCormickConnect.

Post Docs cannot have access to McCormickConnect but are welcome to apply.

**Deadline to submit is Wednesday, August 19 @ 11:59pm.**



## Here, you'll elevate your career.



### 3M Recruiting Information Session

Choosing where to start and grow your career has a major impact on your professional and personal life. It is important that you know the company where you choose to work, and its leaders, will support and guide you. With a diversity of people, global locations, technologies and products, 3M is a place where you can collaborate with 96,000 other curious, creative 3Mers.

Join us to learn about 3M and our PhD career opportunities.

**Pre-Selection Application Deadline:** August 19th

**E-Information Session:** August 17<sup>th</sup>, 4-5 PM for [Data Science/Machine Learning](#), 5-6 PM for [3M Overview and R&D Careers](#)

Following the information session, 3M will be conducting interviews for positions in the fields of chemistry, chemical engineering, materials science, physics, mechanical engineering, polymer science, biomolecular engineering, biology, data science, computer science, electrical engineering, software engineering, and other closely related degrees.

**Apply for full-time positions by visiting**  
[go.3m.com/RR2020CENTRAL](https://go.3m.com/RR2020CENTRAL)

#### Connect with us:

Learn more about working at 3M and view job openings at [3M.com/careers](https://3M.com/careers).



**Avient Corporation will be hosting a virtual information session and interviews during the week of August 24.**



**TUESDAY, AUGUST 25**

**AVIENT CORPORATION (formerly PolyOne) VIRTUAL INFORMATION SESSION**

Via WebEx

<https://polyonecorp.webex.com/polyonecorp/j.php?MTID=mb45207b6f7c85515fc2db4df530bceba>

4:00pm to 5:00pm, CST

Majors of Interest: Applied Physics, Chemical, Chemistry, Materials Sci, Physics

PhD for Full-time

**FRIDAY, AUGUST 28**

**AVIENT CORPORATION (formerly PolyOne) VIRTUAL INTERVIEWS**

9:00am to 5:00pm, CST

Via WebEx

Typically, looking for Full-time Summer 2021 candidates whose graduation dates through Dec. 2020 – Summer 2021

Job description is also posted in Engineering Career Development's database, *McCormickConnect* (Job #26651853).

**All** McCormick students have an account within *McCormickConnect*. Post Docs *cannot* have access to *McCormickConnect* but are welcome to apply.

**If interested** and you have an account within *McCormickConnect*, please apply through the database.

**If you do not have access to *McCormickConnect***, please forward your resume to Michelle Bledsoe at [m-bledsoe@northwestern.edu](mailto:m-bledsoe@northwestern.edu) for consideration.

**Deadline to submit is Thursday, August 20 @ 11:59pm.**

**Please make sure that when you forward your resume, the attachment is named properly, for example: Michelle Bledsoe Resume.doc**

If selected, you will receive an interview invite and will be given access to the interview schedule within *McCormickConnect*.



LEADERSHIP DEVELOPMENT PROGRAM

## Technology

**DEVELOP GREAT LEADERS**

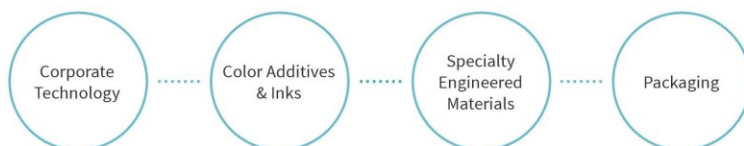
**Challenge Accepted.**

**Key Metrics:**

- Innovation
- Specialized Polymer Solutions
- 9,100 Employees Worldwide
- Global Operations
- Publicly Traded on NYSE
- ~\$4B in Sales
- Making a Difference
- 10 Consecutive Years of EPS Growth

### PROGRAM BENEFITS

Multiple Rotational Assignments | R&D Team & Location Variety  
Executive Exposure | Vibrant, Fast-Paced Environment



#### Elvis Cudjoe

Joined Avient 2017

- Helped develop a new oxygen scavenger barrier technology for PET packaging and non-halogenated flame retardants for TPE applications
- Currently: Sr. R&D Engineer in the CAI business unit



#### John Swanson

Joined Avient 2016

- Helped develop non-halogen flame retardant materials for transportation and research into wire and cable product lines
- Currently: Sr. R&D Engineer for lubricated and wear-resistant formulations



@CareersatAvient



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Visit [avient.com/careers](https://www.avient.com/careers) for more information.





For more than 75 years, Momentive Performance Materials Inc. has been supplying the world's largest companies with cutting-edge materials to create new, successful products in several industries, from automotive to construction to electronics to personal care. Momentive helps bring business' ideas to life quickly and efficiently through its streamlined technology development process, unparalleled commitment to customer service, and technical expertise. Momentive Performance Materials GmbH is an indirect wholly-owned subsidiary of Momentive Performance Materials Inc.



To support in our Performance Additives Business Unit, we are looking to find a

## Product Development Chemist

### Specializing in Polyurethane Foam

We are seeking Ph.D. Chemists with experience with or an interest in polyurethane foam.

#### Responsibilities:

Creative design and development of new products, formulations, and test protocols in support of the PU RMS segment with an emphasis in the Rigid polyurethane foam application area (Construction and Appliances Thermal Insulation).

These tasks will include:

- Planning and executing laboratory projects spanning from the definition of customer needs through assistance with the scale-up and commercialization of the new additives for the polyurethane foam market.
- Effectively manage multiple simultaneous projects, with the ability to clearly communicate laboratory activities as well as communicate market needs back to the business through customer interactions.
- Execution of research and development programs aligned with the market, which have clear performance criteria with deliverable results.
- Provide technical support to customers, both with new product introductions as well as the existing product portfolio.

#### Minimum Qualifications:

- Doctorate in Chemistry or Polymer Science
- Demonstrated skills in organic and/or polymer synthetic chemistry
- Familiarity with standard laboratory techniques, including structural characterization and related analytical techniques
- Working knowledge of PC applications (word processing, spreadsheet, presentation, etc.)
- Willingness to travel up to 20% to learn first-hand from customers their needs for the products under development
- Demonstrated ability to prioritize and handle multiple projects simultaneously and work in a cross-functional team environment
- Excellent oral and written communications skills in English

#### Preferred Qualifications:

- Experience in polyurethane foam technology and additives, preferably in the Rigid polyurethane application area (Construction and Appliances Thermal Insulation).
- Experience in surfactant applications and characterization.
- 1-3 years of experience in product development, preferably in polyurethanes.
- Working knowledge of materials and surface characterization techniques.
- Self-motivated individual with a high level of technical curiosity.

**This position is not yet open but we are interested in exploratory discussions with potential candidates.**

#### Location:

Sistersville, WV

#### Starting date:

TBD

#### Your Contact:

##### Nicole Keck

Lead Talent Acquisition Recruiter  
[Nicole.Keck@momentive.com](mailto:Nicole.Keck@momentive.com)

Visit us on

[www.momentive.com](http://www.momentive.com)

### What will you invent?

## Opportunity with Pfizer's Parenteral R&D Professional Development Program (PDP)

This unique rotational program is designed to immerse graduates in the full pharmaceutical product development life cycle to train the next generation of scientific leaders. More information about the program can be found on our website ([pdp.pfizercareers.com](http://pdp.pfizercareers.com)).



They will begin accepting applications for qualified PhD and thesis masters students via their website next week, beginning on Friday, August 21<sup>st</sup>, 2020. Application submissions will close on Friday, September 4<sup>th</sup>, 2020.

## PHD Workshop: Networking: Building Relationships to Make the Transition to Industry

Brought to you by Engineering Career Development (ECD)

**Date:** Wednesday, August 26, 2020

**Time:** Noon – 1:00 pm, CST

**Location:** via Zoom

In this seminar, we will discuss the most effective ways to identify and contact individuals who are affiliated with the organizations that you want to work for as you plan your transition from the lab to industry. A key outcome will be a roadmap for developing a network of relationships with mutually beneficial long-term ties. We will also discuss the role of social media in building your brand and strengthening those relationships.

**To attend, registration is needed:**

[https://northwestern.zoom.us/webinar/register/WN\\_eBnE-rKTSra-Bpk\\_oRwgbQ](https://northwestern.zoom.us/webinar/register/WN_eBnE-rKTSra-Bpk_oRwgbQ)

Zoom information will be sent with the event confirmation.

## PPG Info Session

Topic: PPG Info Session - Northwestern University

Time: Aug 24, 2020 12:30 PM ET

Join Zoom Meeting

<https://zoom.us/j/97888625597?pwd=dFA5b0E1bythNXpmMUc3WUhoTGRHdz09>

### PPG Info Session

- Meet our NU PhD recruiting team
- Learn about the science of coatings
- Get to know research at PPG
- Discover careers in industry

**Monday, August 24, 11:30-12:30 CDT**  
**Zoom Info Session: 978 8862 5597**  
**Passcode: oneppg**  
**Wednesday, August 26**  
"Campus" Interviews – Invites sent separately

**PPG**  
We protect and beautify the world™

**PPG**

Meeting ID: 978 8862 5597

Passcode: oneppg

PPG is collecting questions in preparation for their info session via Slido: pre-collecting questions for our info session via Slido: <https://wall.sli.do/event/a4s7h2oo>

## NuMat Technologies Job Openings

With respect to the events: We will share with the candidates a company presentation that will last ~ 1 h, starting at **4 PM ET/3 PM CT on August 17<sup>th</sup>**. We will schedule the interviews directly with the candidates but they should anticipate the interviews lasting about ~45 minutes.



NuMat Technologies is currently hiring Ph.D. chemists and will be filling several positions throughout the end of the year.

There are several open positions listed on their website [here](#) and the position most relevant to Ph.D. chemists is [here](#).

Contact information:

William Morris

[william@numat-tech.com](mailto:william@numat-tech.com)

[847-929-4186](tel:847-929-4186)

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

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