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## Chemistry Division

Marie Fraties-Block

BASF Corporation, [marie.fraties-block@basf.com](mailto:marie.fraties-block@basf.com)

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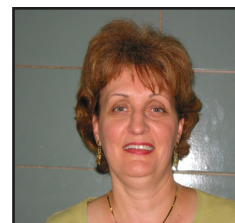
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## News from the Chemistry Division

### Chemistry Division

### Marie Fraties-Block, Chair

The Chemistry Division is concerned with chemistry and chemical technology, and the economics, educational advances, and information handling of developments in the field of chemistry and related subjects.



As I write this message, the final deadlines for the Chicago SLA 2012 Annual Conference & INFO-EXPO on July 15 through July 18 are approaching.

- Extreme Structure Searching: Organics, Organometallics, Polymers, and Markush

I want to again express appreciation for my co-planner, Norah Xiao of the University of Southern California Libraries. And Bill Armstrong, as the division's past chair, was always there for us when we had strategic and technical planning questions. Norah and I cannot thank you enough ...but will try to. Thanks a million!

Our divisional web site will contain details about the entire Chemistry Division events at: <http://chemistry.sla.org>. If you are a member of the Chemistry Division, be sure to read the blogs on our web page. That's where we will post announcements about upcoming programs.

We have many scheduled events at the Chicago SLA 2012 Annual Conference & INFO-EXPO. We'll be discussing some HOT TOPICS, such as:

- Chemistry on the go – using mobile devices to access chemical information,
- Chemistry information training: present and future,
- Institutional repositories
- National Science Foundation Data Management Plans
- How and Why Things Fail - Forensic Engineers and Information Specialists and,
- Science of Beauty Care – with a focus on sunscreen chemistry.

Thanks to Ted Baldwin the Chemistry Division will be offering some outstanding Continuing Education Courses. Check the Chemistry Division web page for course details.

- Chemistry for the Non-Chemist Librarian
- Chemical Information Sources, Requests, and Reference

We will also participate in the ALL SCIENCE poster session. This year's theme is Practicing Agility in an Open World Economy.

On Thursday July 19<sup>th</sup> we will take a field trip to the award winning University of Chicago libraries where we will have a unique tour the [robotic book retrieval system](#). The new Joe and Rika Mansueto Library houses one of the world's largest high-density underground storage systems with the capacity to hold 3.5 million volume equivalents. I'm told it's impressive beyond words. I'm looking forward to seeing this inventive retrieval system with my own eyes.

#### Saturday July 14, 2012

8:00 am - 5:00 pm

#### **Chemistry for the Non-Chemist Librarian**

CE Full day course

Ticketed event

SLA Members \$299

Students/retired members \$199

Non-members \$399

It is necessary that any information scientist with responsibilities for providing chemistry reference services understand the structure and language of chemistry. This course takes a hands-on approach to introduce learners to the basic principles of the five major divisions of chemistry, chemical terminology and drawing, and other intellectual tools that chemists need to do their work. It will be composed of four basic sections: an introduction to chemistry as a science, strategies for effective communication with chemists, basic chemical concepts and research questions, and the ways in which chemists' research needs dictate their information needs.

5:00 – 7:00 pm

#### **DCHE Board Meeting**

Chemistry Division Board Meeting

## **Sunday July 15, 2012**

12:00 – 2:00 pm

### **DCHE Newcomer's Lunch**

Invitation Only event

This Lunch Event is for new members of the Chemistry Division or MRM Section. New members can find out more about our activities and how to get involved.

8:00 am - 12:00 pm

### **Chemical Information Sources, Requests, and Reference**

CE ½ day course

Ticketed event

SLA Members \$199

Students/retired members \$99

Non-members \$299

The course takes a hands-on approach to introduce learners to the types of questions that chemical researchers ask and reference sources that can be used to answer them. It will provide an overview of the structure of the chemical literature, types of reference sources in the chemical sciences, unique access points for chemical information, and strategies for an effective search. Informal lectures, interspersed with hands-on reference questions, will compare and describe the major chemical information resources.

1:00 - 5:00 pm

### **Extreme Structure Searching: Organics, Organometallics, Polymers, and Markush**

CE ½ day course

Ticketed event

SLA Members \$199

Students/retired members \$99

Non-members \$299

This course will introduce participants to specialized search techniques for small molecules in the chemical literature: profiling organic, organometallic and catalytic substances by substructure, applying structure and substructure search techniques to polymer searching, and using basic substructure and Markush search strategies for patent information retrieval. Participants will learn advanced organic substructure search techniques and recommendations of where, when, and how to use them. This will be followed by techniques of locating organometallics and polymers using the substructure search techniques taught. Finally, the participants will examine the application of substructure techniques to patent searching,

including learning the basics of Markush searching.

7:00 – 9:00 pm

### **DCHE No Host Dinner**

Join the Chemistry Division for a No Host Dinner at an exciting local restaurant.

## **Monday July 16, 2012**

7:30 – 9:30 am

### **DCHE Academic Roundtable & Breakfast**

Ticketed event

SLA Members \$15

Join your academic DCHE colleagues for breakfast and a moderated discussion on current topics and concerns. Topic(s) for this roundtable will be announced prior to the conference.

10:00 – 11:30 am.

### **National Science Foundation Data Management Plans**

Learn how libraries are supporting researchers in their efforts to comply with the NSF requirement for data management plans to accompany all grant proposals.

12:00 – 1:30 pm.

### **Chemistry information training: present and future**

Learn about chemical information training resources from librarian colleagues.

## **Tuesday July 17, 2012**

7:30 – 9:30 am

Ticketed event

SLA Members \$15

### **DCHE Business Meeting & Breakfast**

Chemistry Division Business Meeting

10:00 – 11:30 am

### **Chemistry on the Go**

Learn how the major chemical information vendors are providing mobile access to important chemistry resources. And learn about anticipated new mobile accessibility.

2:00 – 3:30 pm.

### **How and Why Things Fail - Forensic Engineers and Information Specialists**

Dr. Michael Stevenson, President of Engineering Systems, will talk about Forensic Engineering and how the library and knowledge play a key role.

## Science Translational Medicine

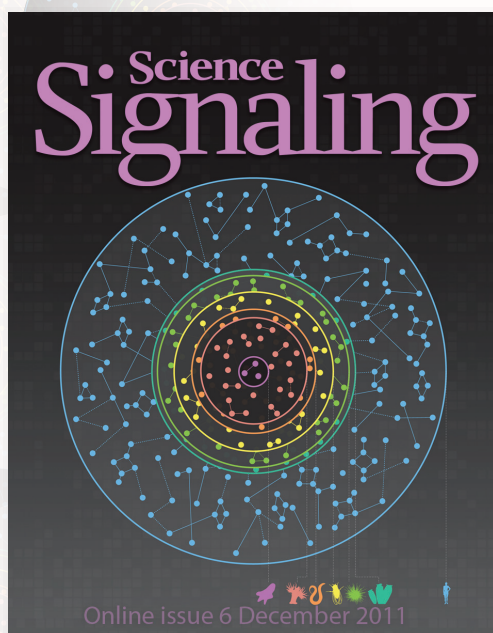
As the newest journal from AAAS, published with the same high-quality standards as *Science*, *Science Translational Medicine* seeks to close the gap between researcher and clinician by publishing important interdisciplinary research with new cures for widespread and rare medical conditions.

[ScienceTranslationalMedicine.org](http://ScienceTranslationalMedicine.org)



## Journals of MEDICINE and CELL BIOLOGY

From the Publisher of **Science**



## Science Signaling

The online journal's research articles, community features, and tools, enable readers to gain insight into cellular regulatory processes. The peer-reviewed research papers reveal discoveries in the rapidly expanding areas of signaling networks, systems biology, and drug discovery. Fields of science where signaling research is fundamental, include cancer research, bioinformatics and neuroscience.

[ScienceSignaling.org](http://ScienceSignaling.org)

To request a free trial or quote,  
visit [ScienceOnline.org/request](http://ScienceOnline.org/request)

4:00 – 5:30 pm

***The Science of Beauty Care***

Back by popular demand, this session will focus on the science and chemistry of popular skin care products. Scientists will provide insight on the benefits of skincare products old and new, and experts from the industry will address the cultural side of skincare trends. Product samples will be available.

6:00 – 8:00 pm

***All Sciences Posters & Reception***

**Wednesday July 18, 2012**

7:30 – 9:30 am

***DCHE Corporate Roundtable & breakfast***

Ticketed event

SLA Members \$15

Join your corporate DCHE colleagues for breakfast and a moderated discussion on current topics and concerns. Topic(s) for this roundtable will be announced prior to the conference.

10:00 – 11:30 am

***Institutional Repositories***

Learn from seasoned experts how to implement and manage institutional repositories, and tips for making them grow.

12:00 – 1:30 pm

***DCHE Board Meeting wrap-up***

All division members welcome to attend. We will evaluate this year's meeting, suggestions for next year's meeting, and follow-up's to the Board Meeting.

**Thursday July 19, 2012**

11:00 am – 3:00 pm

Ticketed event

Cost TBD

***Tour - University of Chicago Library***

The newly opened Mansueto Library at the University of Chicago is already a city icon. We will take a behind the scene tour of the robotic book retrieval systems and the underground storage facility. Chemistry Division members will also tour the University of Chicago Crerar Chemistry Library.

See you in Chicago!❖

Marie Fraties-Block

Chair, SLA Chemistry Division & Chicago 2012

Co-Planner

BASF Corporation