

MARM 2011 SPECIAL EVENTS

Saturday, 21 May 2011	Time	Room	Organizer
On-Site Registration	7:00 am – 6:00 pm	Grand Ballroom Lounge	
AM Sessions			
Synthetic Chemistry Across the Border	8:00 am – 12:00 pm	Benjamin Banneker A	Snieckus / DeShong
Medicinal Chemistry and Chemical Biology of Anticancer Agents	8:15 am – 12:00 pm	Benjamin Banneker B	Talisman / Malhotra
New Approaches to Teaching Chemistry I	8:30 am – 12:00 pm	Margaret Brent A	Sinex
Frontiers of Structure and Dynamics using NMR Spectroscopy; Protein Structure and Dynamics	8:30 am – 11:30 pm	Charles Carroll A	Dayie
Supramolecular Chemistry	8:30 am – 12:30 pm	Charles Carroll B	Davis
Organic Chemistry Poster Session I	10:00 am – 1:30 pm	Grand Ballroom	DeShong
Medicinal Chemistry Poster Session I	10:00 am – 1:30 pm	Grand Ballroom	DeShong
Biochemistry Poster Session I	10:00 am – 1:30 pm	Grand Ballroom	DeShong
Chemical Education Poster Session I	10:00 am – 1:30 pm	Grand Ballroom	DeShong
Undergraduate Research Poster Session	10:00 am – 1:30 pm	Grand Ballroom	DeShong
PM Sessions			
Teachers Award Luncheon	12:00 pm – 1:30 pm	Chemistry Atrium	
Advances in Organic Synthesis	1:00 pm – 5:00 pm	Benjamin Banneker A	Wolf
New Approaches to Teaching Chemistry II	1:00 pm – 4:30 pm	Margaret Brent A	Sinex

Chemistry of Graphitic Materials	1:00 pm – 5:00 pm	Margaret Brent B	Wang
Frontiers of Structure and Dynamics using NMR Spectroscopy; RNA Structure and Dynamics	1:00 pm – 5:00 pm	Charles Carroll A	Daiye
Nanoparticle Metrology	1:00 pm – 5:00 pm	Charles Carroll B	Zachariah
Medicinal Chemistry and Chemical Biology of Anticancer Agents	1:10 pm – 6:00 pm	Benjamin Banneker B	Talisman / Malhotra
Nucleic Acid Chemistry and Biochemistry	1:30 pm – 5:30 pm	Prince George's Room	Rokita / Sintim
Organic Chemistry Poster Session II	2:00 pm – 5:30 pm	Grand Ballroom	DeShong
Medicinal Chemistry Poster Session II	2:00 pm – 5:30 pm	Grand Ballroom	DeShong
Biochemistry Poster Session II	2:00 pm – 5:30 pm	Grand Ballroom	DeShong
Chemical Education Poster Session II	2:00 pm – 5:30 pm	Grand Ballroom	DeShong
Opening Reception	7:30 pm – 9:30 pm	Grand Ballroom	

Sunday, 22 May 2011	Time	Room	Organizer
On-Site Registration	8:00 am – 5:00 pm	Grand Ballroom Lounge	
AM Sessions			
Career Development Workshop	8:10 am – 12:00 pm	Chemistry Building 1224	Talisman
Graduate Research Opportunities in Government Laboratories Workshop	8:30 am – 12:00 pm	Chemistry Building 1228	Fourkas
Environmental Health and Safety Workshop	9:00 am – 12:00 pm	Chemistry Building 0119	Phifer
Building the NSF Grant Proposal Workshop	9:00 am – 12:00 pm	Chemistry Building 1407	Porter
PM Sessions			
Plenary Lectures of Emerging Problems in the 21 st Century	1:00 pm – 4:00 pm	Chemistry Building 1402	DeShong
Ice Cream Social	4:00 pm – 6:00 pm	Stamp Student Union Atrium	

Monday, 23 May 2011	Time	Room	Organizer
On-Site Registration	8:00 am – 4:00 pm	Grand Ballroom Lounge	
AM Sessions			
ACS Career Workshop	8:00 am – 12:30 pm	Chemistry Building 1407	ACS Careers
Food Safety: New Technologies for the Protection of the Food Supply I	8:30 am – 12:00 pm	Benjamin Banneker A	Yakes / Morehouse
New Technologies for Lithium Ion Batteries I	8:30 am – 12:00 am	Charles Carroll A	Kofinas

Materials Chemistry Poster Session	8:30 am – 12:00 pm	Grand Ballroom	DeShong
Inorganic Chemistry Poster Session	8:30 am – 12:00 pm	Grand Ballroom	DeShong
Physical Chemistry Poster Session	8:30 am – 12:00 pm	Grand Ballroom	DeShong
Cheminformatics and Bioinformatics: Working Together to Address Systems Chemical Biology	8:30 am – 12:00 pm	Benjamin Banneker B	Guha
Advances in Terahertz and IR Spectroscopy	8:30 am – 12:00 pm	Thurgood Marshall	Rahman
Validation of Chromatographic Methods in Pharmaceutical Chemistry Workshop	9:00 am – 12:00 pm	Chemistry Building 1228	Huynh-Ba
How to Be a More Effective Chemical Hygiene Officer Workshop	9:00 am – 5:00 pm	Chemistry Building 1224	Phifer / Wahl
Science in Start-Up Companies	9:00 am – 12:00 pm	Pyon Su	DeShong
PM Sessions			
Bioactive Small Molecule Design and Discovery	1:00 pm – 4:30 pm	Benjamin Banneker B	Thomas
Redefining the Kilogram and Avogadro's Number	1:00 pm – 4:00 pm	Chemistry Building 1407	Watters
Expiration of Patent Protection: A Major Challenge Facing the Chemical and Pharmaceutical Industries in the 21 st Century	1:00 pm – 4:30 pm	Pyon Su	Hasford / Bianco
Facilitating Improved Lab Scale Purification Workshop	1:00 pm – 5:00 pm	Chemistry Building 1228	Early / Lawrence
Applied Applications of Separation Sciences	1:00 pm – 4:00 pm	Thurgood Marshall	Huynh-Ba
Metal-Mediated Small Molecule Activation and Functionalization	1:00 pm – 5:00 pm	Charles Carroll B	Sita
Analytical Chemistry Poster Session	1:00 pm – 4:30 pm	Grand Ballroom	DeShong
Chemistry and Materials Composition of Cultural Heritage Materials	1:30 pm – 4:30 pm	Juan Ramon Jiminez	France

Ambient Ionization Methods for Biological Mass Spectrometry	1:30 pm – 5:00 pm	Chemistry Building 3219	Vertes
CFDV Student Award Symposium for Separation Science	1:30 pm – 4:30 pm	Chemistry Building 1402	Selman
New Technologies for Lithium Ion Batteries II	1:30 pm – 5:00 pm	Charles Carroll A	Kofinas
Food Safety: New Technologies for the Protection of the Food Supply II	1:30 pm – 5:00 pm	Benjamin Banneker A	Yakes / Morehouse
MARM Awards Banquet	7:00 pm – 9:00 pm	Prince George's Ballroom	(Ticketed Event)



MARM 2011 WORKSHOPS

Sunday, May 22, 2011

Career Development

Talisman, 8:10 am – 12:00 pm, Chemistry Building 1224

The Career Development Workshop will consist of exciting short talks and panel discussions covering a broad range of topics that include careers in technology transfer, forensics, cosmetic science, genomics, and education. Information on performing job searches, the development of career goals using web based approaches, and strategies for successful networking will be presented.

Graduate Research Opportunities in Government Laboratories

Fourkas, 8:30 am – 12:00 pm, Chemistry Building 1228

The purpose of this workshop will be to expose attendees to the myriad research opportunities present in government laboratories. Also to be discussed will be the options available for funding provided by various government laboratories.

Environmental Health and Safety

Phifer, 9:00 am – 12:00 pm, Chemistry Building 0119

This comprehensive one-day course will identify the various regulatory requirements that apply to laboratories that generate hazardous waste, as well as provide insight into the options for on-site management and off-site disposal. Focus will be on recycling/ reclamation techniques, waste minimization, economical handling of wastes, and liability issues. Mr. Phifer has over 30 years experience in managing laboratory wastes for academic and industrial laboratories and is a member and former chair of the ACS Task Force on Laboratory Environmental Health & Safety.

Building the NSF Grant Proposal

Porter, 9:00 am – 12:00 pm, Chemistry Building 1407

Competition for NSF grant awards is especially intense, as increasing numbers of proposals strain the agency's budget limits. Successful proposals are written by investigators who combine sound principles of grant writing with an understanding of NSF's overall merit review process. This workshop will focus on critical aspects of interacting with the agency as well as proven techniques for effective writing in each section of the NSF grant proposal. Samples from successful proposals will be cited to illustrate key points.

Monday, May 23, 2011

ACS Career Workshop

ACS Careers, 8:00 am – 12:30 pm, Chemistry Building 1407

Career Workshops will be offered on Planning Your Job Search, Preparing a Resume and Effective Interviewing. These workshops are designed to help chemical professionals and students at all levels understand the current workplace and take advantage of employment opportunities. A Career Consultant will be available to provide individual resume reviews (members must bring a copy of their resume).

How to Be a More Effective Chemical Hygiene Officer

Phifer / Wahl, 9:00 am – 5:00 pm, Chemistry Building 1224

Take a close look at the Chemical Hygiene Officer position, and prepare at the same time for the CHP Certification exam to be held the next day. Phifer and Wahl give a different slant to safety issues in the laboratory, focusing on what you do and how you can do it better. The presenters bring a wide variety of experience to the table, but the real stars of the workshop are you – past attendees note the interactive approach focusing on their problems, from getting administrators involve in safety to dealing with regulatory concerns. The course covers all of the content areas of the certification exam (presented on Sunday through NRCC), including a sample test in the same format as the real one. Whether you are a new Chemical Hygiene Officer or an “old” one, you will find something to put to real use in this fast-paced presentation.

Validation of Chromatographic Methods in Pharmaceutical Chemistry

Huynh-Ba, 9:00 am – 12:00 pm, Chemistry Building 1228

Analytical procedures are used as a quality control tool to monitor the quality and stability of pharmaceutical products. Validation is necessary to confirm the suitability of the analytical method for its intended use. This course will present various validation characteristics from regulatory expectations to practical considerations that apply to chromatographic methods. It will also discuss the key factors to establish validation protocol and acceptance criteria.

Facilitating Improved Lab Scale Purification

Early / Lawrence, 1:00 pm – 5:00 pm, Chemistry Building 1228

This workshop will focus on common issues in lab scale purification with from the perspective of synthetic and isolation chemists. New issues in molecular diversity that require alternate approaches for accelerating a molecules' progression on to testing, as well as new approaches to improving outcomes for throughput and purity will also be discussed.

MARM 2011

CHEMAGINATION CONTEST



“Chemagination” is a contest in which High School students are asked to *imagine* that they are living 25 years in the future and have been invited to write an article for *ChemMatters*, a magazine for high school students that focuses on the role of chemistry in everyday life. The subject of the article is: “*Describe a recent breakthrough or innovation in chemistry and/or its applications that has improved the quality of people’s lives today.*” The article will be written to fit in one of four categories: Alternative Energy Resources, Environmental Concerns, Medicine / Health, or New Materials. In addition to the article, students are asked to design a cover for the magazine. The article must be written as if the student is living in the year 2036, looking back at innovations that have occurred since 2011.

The Regional Chemagination Competition will take place on Saturday, May 21, 2011 Marker Seminar Room (CHEM 0112) in College Park, Maryland. The tentative agenda is as follows:

12:00 pm – 1:30 pm	Set-up and Lunch
1:30 pm – 3:00 pm	Judging
3:00 pm – 4:00 pm	Special Demonstrations and Presentations
4:00 pm – 5:00 pm	Awards and Photos

First place category winners from LOCAL ACS section competitions are eligible to participate. If a first place winner cannot participate for any reason, sections can elect to send an alternate team. If your section did not hold a local competition, interested students could participate directly at the regional level (contact the Chemagination Coordinators for more details).

Contest Coordinators: Kim Morehouse (Kim.Morehouse@fda.hhs.gov) and Louise Lawter (louise.lawter@gmail.com). Event sponsored by the MARM Board.