

BTEC

Biotechnology Secretariat

J. W. Finley, *Program Chair*

TUESDAY AFTERNOON

Nanostructured Materials for Future Therapy
Chemistry and Structures Sponsored by POLY, Cosponsored by PMSE, BTEC, and NANO

TUESDAY EVENING

Nanostructured Materials for Future Therapy Sponsored by POLY, Cosponsored by NANO, PMSE, and BTEC

WEDNESDAY MORNING

Nanostructured Materials for Future Therapy
Nanostructured Materials for Tissue Engineering Sponsored by POLY, Cosponsored by PMSE, BTEC, and NANO

WEDNESDAY AFTERNOON

Nanostructured Materials for Future Therapy
Functional Materials and Drug Delivery Sponsored by POLY, Cosponsored by PMSE, BTEC, and NANO

THURSDAY MORNING

Nanostructured Materials for Future Therapy
Functional Materials and Drug Delivery Sponsored by POLY, Cosponsored by PMSE, BTEC, and NANO

THURSDAY AFTERNOON

Nanostructured Materials for Future Therapy
Nanoparticles Sponsored by POLY, Cosponsored by PMSE, BTEC, and NANO

IAC

International Activities Committee

P. Dorhout, *Program Chair*

SUNDAY AFTERNOON

Global Energy Challenges in the 21st Century Sponsored by PRES, Cosponsored by COMSCI[†] and IAC[‡]

CEPA

Committee on Economic & Professional Affairs

W. H. Batschelet, *Program Chair*

SUNDAY MORNING

Off the Beaten Path: Alternative Career Options for a Degree in Polymer Science Sponsored by POLY, Cosponsored by CEPA

Photographing or recording meeting sessions and/or activities other than your own are prohibited at all official ACS events without written consent from ACS.

SUNDAY AFTERNOON

Nontraditional Careers in Chemistry Sponsored by YCC, Cosponsored by Chemical Information Careers Committee, CINF, CHAL, SOCED, CEPA, SCHB[‡], and POLY

MONDAY AFTERNOON

Overcoming Issues in Graduate School Sponsored by YCC, Cosponsored by PROF and CEPA

TUESDAY AFTERNOON

ACS Award for Encouraging Women into Careers in the Chemical Sciences: Symposium in Honor of Mary F. Singleton Sponsored by WCC, Cosponsored by HIST[†], PROF, and CEPA

CEI

Committee on Environmental Improvement

E. Warren, *Program Chair*

MONDAY MORNING

Green Chemistry Sponsored by YCC, Cosponsored by CHAS, I&EC, CEI, INOR, and ORGN

ETHC

Committee on Ethics

D. J. Chesney, *Program Chair*

SUNDAY MORNING

Plagiarism: What is it? What Can We Do About It? Sponsored by CHED, Cosponsored by CHAL, ETHC, and CINF

THURSDAY AFTERNOON

Ethics of Access to Copyrighted Scientific Print Publications Sponsored by CHAL, Cosponsored by ETHC[‡]

CMA

Committee on Minority Affairs

T. B. Higgins and M. Boyd, *Program Chairs*

SUNDAY MORNING

Section A

Grand America Venezia Salon

Teaching Chemistry to a Diverse Student Body Cosponsored by CHED, WCC, and YCC

T. B. Higgins and M. Boyd, *Organizers*

9:00 Introductory Remarks.

9:15 **1.** An overview of teaching the general chemistry laboratory using the science writing heuristic. **T. J. Greenbowe**, J. Poock, B. Fetterly

9:35 **2.** Teaching chemistry laboratory using the science writing heuristic in a not so diverse mid-west classroom.

T. J. Greenbowe, J. Poock, B. Fetterly

9:55 **3.** Comparing in-class and online POGIL activities. **C. E. Brooms**, L. B. Sonnichsen

10:15 **4.** Implementing POGIL activities online: Hands-on demonstration. **C. E. Brooms**, L. B. Sonnichsen

10:35 Intermission.

10:45 **5.** Peer-led team learning: A strategy for improving success of a diverse population. **P. Varma-Nelson**

11:05 **6.** Training student peer leaders with sound pedagogy. **J. S. Blackerby**, P. Varma-Nelson

11:25 **7.** Center for Workshops in the Chemical Sciences (CWCS): Faculty participation in a community of scholars. **D. M. Collard**, C. B. Russell, J. C. Smith, L. J. Kaplan

11:45 **8.** Professional development opportunities for two-year college chemistry faculty: Having your cake and eating it too. **S. J. Donnelly**

12:05 Concluding Remarks.

TUESDAY AFTERNOON

ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Symposium in Honor of Shirley McBay Sponsored by ENVIR, Cosponsored by CMA, CPS, and WCC

NOM

Committee on Nomenclature, Terminology and Symbols

P. F. Rusch, *Program Chair*

SUNDAY AFTERNOON

Finding a Common Vocabulary: Nanotechnology in Chemical Publication Sponsored by CINF, Cosponsored by NOM[†] and NANO

CPS

Committee on Project Seed

J. J. Pak, *Program Chair*

TUESDAY AFTERNOON

ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Symposium in Honor of Shirley McBay Sponsored by ENVIR, Cosponsored by CMA, CPS, and WCC

COMSCI

Committee on Science

D. J. Nelson, *Program Chair*

SOCIAL EVENT:
Luncheon: Mon

SUNDAY AFTERNOON

Global Energy Challenges in the 21st Century Sponsored by PRES, Cosponsored by COMSCI[†] and IAC[‡]

MONDAY MORNING

Section A

Salt Palace Convention Center 150 G

Chemical Synthetic Biology: Partnering for Innovation and Competitiveness

D. J. Nelson, *Organizer*W. Colón and L. Echegoyen, *Organizers, Presiding*

8:30 Introductory Remarks.

8:40 **1.** Modern synthetic biology: Darwin from the atom up. **S. A. Benner**

9:20 **2.** Synthetic biology with DNA-lipid conjugates. **S. G. Boxer**

10:00 **3.** Proteins without alpha amino acids. **A. Schepartz**

10:40 **4.** Noncanonical amino acids in time-resolved proteomic analysis. **D. A. Terrell**

11:20 **5.** Development of unnatural base pair systems toward new biotechnology.

I. Hirao

12:00 **Boxed Lunch** (available for purchase through registration).

12:15 **6.** Finding a home at the NSF for your chemical biology proposal. **W. Colón**

MONDAY AFTERNOON

Section A

Salt Palace Convention Center 150 G

Chemical Synthetic Biology: Partnering for Innovation and Competitiveness

D. J. Nelson, *Organizer*W. Colón and L. Echegoyen, *Organizers, Presiding*

1:20 **7.** Expanding the synthetic capabilities of the cell. **V. W. Cornish**

2:00 **8.** Foldamers: Potential building blocks for synthetic biology. **S. H. Gellman**

2:40 **9.** Primitive models for intracellular organization. **C. D. Keating**

3:20 **10.** Designed nucleic acid base replacements: Lessons for basic science. **E. T. Kool**

SOCED

Society Committee on Education

B. Balazs, *Program Chair*

SOCIAL EVENTS:

Chemical Industry Networking Roundtable: Mon
Graduate School Recruiting Breakfast: Mon
Networking Social with Graduate School Recruiters: Sun
Student Affiliates Chapter Awards Ceremony: Sun
Undergraduate Social: Sun

SUNDAY AFTERNOON

Section A

Salt Palace Convention Center 251 E

Art Conservation and Archeological Research Symposium

J. Kaup, *Organizer*

2:00 Introductory Remarks.

2:05 **1.** ARCHEM Project: Five years of archaeochemistry research in the eastern Mediterranean. **A. J. Koh**

2:30 **2.** Chemistry of 17th century golden age Dutch paintings: A series of case studies. **E. S. Uffelman**

2:55 **3.** Science's role in the study of works of art. **K. Trentelman**

3:20 Discussion.

Nontraditional Careers in Chemistry

Sponsored by YCC, Cosponsored by Chemical Information Careers Committee, CINF, CHAL, SOCED, CEPA, SCHB[‡], and POLY

‡ Cooperative Cosponsorship