

## 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<sup>†</sup> and IAC<sup>‡</sup>

## CEPA

## Committee on Economic &amp; 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<sup>‡</sup>, 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<sup>†</sup>, 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<sup>‡</sup>

## 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<sup>†</sup> 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<sup>†</sup> and IAC<sup>‡</sup>

## 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<sup>‡</sup>, and POLY

‡ Cooperative Cosponsorship