

## U.S. National Committee for the International Union of Pure and Applied Chemistry (USNC/IUPAC)

- Angela K. Wilson, Chair, University of North Texas
- Joseph Francisco, Past Chair, University of Nebraska, Lincoln
- John Brauman (NAS), Stanford University
- Guang Cao, Exxon Mobil Engineering Company
- Julia Y. Chan, The University of Texas at Dallas
- Mukund S. Chorghade, Chorghade Enterprises
- Michelle Rogers, The Lubrizol Corporation
- John Schwantes, National Security Directorate
- Hratch Semerjian (NAE), National Institute of Standards Technology
- Ellen Stechel, Arizona State University
- HESSY L. Taft, St. John's University

### *Ex Officio Members*

- Laura McConnell, USDA, President of IUPAC Chemistry and the Environment Division
- Christopher K. Ober, Cornell University, Elected Member of IUPAC Bureau
- Carolyn Ribes, Dow Benelux B.V., Secretary of the Committee on Chemistry and Industry
- Mark Cesa, INEOS USA, LLC, President of IUPAC
- Thomas Barton, ACS President
- Denise Creech, ACS Representative for the Executive Director
- June C. Wispelwey, American Institute of Chemical Engineers Executive Director
- David Walt, Emory University, Co-Chair of NRC Board on Chemical Sciences and Technology
- Timothy Swager, Massachusetts Institute of Technology, Co-Chair of NRC Board on Chemical Sciences and Technology
- Barbara Gordon, Executive Director of American Society for Biochemistry and Molecular Biology

## IUPAC YOUNG OBSERVER PROGRAM

Contact Us for More Info!

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Applications available online at:  
<http://www.nas.edu/usnc-iupac/yo>



2007 Young observers attend feedback session in Torino, Italy

## THE NATIONAL ACADEMIES

*Advisers to the Nation on Science, Engineering, and Medicine*

## IUPAC Young Observer Program



U.S. National Committee for the  
International Union of  
Pure and Applied Chemistry



# YOUNG OBSERVER PROGRAM

## THE PROGRAM...

Established by the U.S. National Committee (USNC) of the International Union for Pure and Applied Chemistry (IUPAC) in 1977, the Young Observer program fosters interactions with internationally acclaimed scientists in various fields. The program strives to introduce the work of IUPAC to a new generation of distinguished researchers and to provide them with an opportunity to address international scientific policy issues.

Through the Young Observer Program, young scientists and engineers can build international collaborations, gain knowledge of global research activities and participate in IUPAC activities. The goal of this program is to introduce the best young researchers from the United States to the union, encourage them to become involved in the union's activities, and prepare them to assume leadership roles in IUPAC. Young Observers are given the opportunity to attend meetings of IUPAC Divisions and Standing Committees in their particular areas of interest during the General Assembly and to familiarize themselves with IUPAC activities and projects.



USNC/IUPAC member Angela Wilson addresses Young Observer Orientation session in Glasgow, UK

## WHO ARE THE YOUNG OBSERVERS?

The program is open to U.S. scientists and engineers (U.S. citizens and permanent residents) under the age of 45. Applicants are drawn from industry, academia, and national laboratories.

The next IUPAC General Assembly and Congress will be held August 6-14, 2015 in Busan, Korea. Young Observers are expected to have a specific interest in one or more of the business meetings and technical sessions to be held at the General Assembly and Congress. They should also have a strong interest in international collaboration and in continuing to be active in IUPAC.

To date, the program has supported over 200 Young Observers, many of whom have continued to contribute at the international level and to serve on IUPAC committees. Past observers include:

Ahmed H. Zewail (1981), NAS member, California Institute of Technology  
1999 Nobel Laureate for Chemistry

Marye Anne Fox (1981), NAS member, Chancellor, University of California, San Diego

Geraldine Richmond (1987 & 1989), University of Oregon, past USNC member

Mark Cesa (1997), IUPAC Vice-President, INEOS, past USNC chair, IUPAC Committee on Chemistry and Industry, IUPAC Organic and Biomolecular Chemistry Division

Angela Wilson (2003 & 2005), University of North Texas, USNC member and Titular Member of the IUPAC Physical and Biophysical Chemistry Division

## THE YOUNG OBSERVER EXPERIENCE...

- Young Observers (YOs) will be selected in early 2015 by a subcommittee of the USNC/IUPAC.
- Selected YOs may receive a fellowship grant, pending funding availability.
- Mentors (members of the USNC or past Young Observers) are assigned to the YOs, to help them navigate the IUPAC program and answer questions.
- The U.S. YOs attend an orientation and welcome session with international Young Observers from various countries.
- YOs attend business meetings of the IUPAC Divisions and Standing Committees to familiarize themselves with IUPAC activities and projects.
- YOs actively participate in the scientific sessions of the Congress.
- U.S. YOs will meet with each other and their mentors before, during, and after the Congress to share and reflect on their individual experiences.
- YOs will have opportunities to meet with IUPAC leaders and the USNC.
- The USNC organizes briefing sessions for YOs and encourages them to report their experiences at a session held at the annual meeting of the American Chemical Society.