

254th American Chemical Society National Meeting
Division of Chemical Education

Advancing Graduate Education: Opportunities & Challenges

N. S. Goroff, Organizer
B. Z. Shakhashiri, Organizer, Presiding

Sunday, August 20, 2017
Grand Hyatt Washington, Independence C
Washington, D.C.

Sunday Morning Session

8:30 *Introductory Remarks*

8:35 *Advancing graduate education: Prospects and expectations*

B.Z. Shakhashiri
Professor of Chemistry, UW-Madison

8:50 *Catalyzing the modernization of graduate biomedical education*

J.R. Lorsch
Director, National Institute of General Medical Sciences
National Institutes of Health

9:20 *Supporting graduate education in the future: Views from the National Science Foundation*

W.J. Lewis
Deputy Director, Directorate for Education and Human Resources,
National Science Foundation

9:50 *Key issues in transforming graduate STEM education for the 21st century*

A.I. Leshner
Chair, National Academies Committee on Revitalizing Graduate Education

10:20 *Intermission*

10:35 *Fostering industrial and academic partnerships*

K. Watson
Vice President, Corporate Research and Development, The Dow Chemical Company

11:05 *Building an integrated university/workplace education model*

M. Alger
Former Senior Vice President at Myriant Corp., Former Vice President and CTO, Air Products
Institute for Natural Gas Research & Professor of Chemical Engineering, Penn State

11:35 *Addressing career preparation with foundation tools*

V. McGovern

Senior Program Officer, Burroughs Wellcome Fund

12:05 *Concluding Remarks*

Sunday Afternoon Session

1:30 *Balancing research training with professional skill building: Models for collaborative effort*

N.S. Goroff

Department of Chemistry, SUNY Stony Brook

1:50 *ACS development and implementation of career resources for graduate students and postdocs*

C. Kuniyoshi, J.L. Wesemann, J. Schlatterer, M.E. Grow-Sadler

Education Division, American Chemical Society

2:10 *From the safety beat: Incorporating lab safety into graduate training*

J. Kemsley

Senior Editor, *Chemical & Engineering News*, American Chemical Society

2:30 *Is the apprenticeship model in graduate education obsolete?*

M.T. Ashby

Department of Chemistry & Biochemistry, University of Oklahoma

2:50 *Educating STEM doctoral students for success in a rapidly changing employment landscape*

A.L. Feig

Department of Chemistry, Wayne State University

3:10 *Intermission*

3:25 *Supporting improved safety practices in graduate chemistry education*

R. Stuart

Department of Environmental Health and Safety, Keene State College

S. Sigmann

Department of Chemistry, Appalachian State University

3:45 *Conquer the challenge of change by communicating a shared vision of transformative graduate education*

B.J. Natalizio

National Postdoctoral Association Board of Directors

Division of Graduate Education, National Science Foundation

4:05 *Fostering an inclusive graduate education environment: Promising practices for promoting gender equity*

J.L. Curtis-Fisk

STEM Program Leader and R&D Scientist, The Dow Chemical Company

Ashley Bear

Program Officer, National Academies of Sciences, Engineering, and Medicine

4:25 *Can we accept the idea that the wheel might already have been invented?*

G.M. Bodner

Department of Chemistry, Purdue University

4:45 *Concluding Remarks*