

**Quality Education for Minorities (QEM) Network Workshop
for the National Science Foundation (NSF)'s
Faculty Early Career Development (CAREER) Program**
Albuquerque Marriott • 2101 Louisiana Boulevard, NE • Albuquerque, NM • Tel. 505/881-6800
January 28-29, 2011

AGENDA

THURSDAY, January 27

7:00 PM Early Registration and Reception *Pecos*

FRIDAY, January 28

AM

8:00 *Registration and Continental Breakfast* *Pecos / Sandia*

8:30 Opening Plenary Session *Pecos / Sandia*
Welcome, Purpose, and Introductions
Shirley McBay, President, QEM Network

9:00 *Overview of the National Science Foundation (NSF)*
Review of Purpose of NSF's Faculty Early Career Development (CAREER) Program
Sonia Esperanca, Program Director
Division of Earth Sciences (EAR)
Directorate for the Geosciences (GEO), and
Chair, CAREER Coordinating Committee

9:45 *Strengths and Weaknesses in Funded/Non-funded CAREER Proposals*
Parag Chitnis, Deputy Division Director
Molecular and Cellular Biosciences (MCB) Division
Directorate for Biological Sciences (BIO)
National Science Foundation (NSF)

10:15 *"What I Learned on My Way to Tenure"*
Brian Blake, Professor and Associate Dean for Research
College of Engineering, University of Notre Dame

10:45 *Coffee Break*

11:00 Six Concurrent Directorate-focused Sessions
Research and Education Components of Participants' Proposed Project Summaries

Session I: Directorate for Biological Sciences (BIO) *Pecos / Sandia*
Parag Chitnis, Deputy Division Director, MCB/BIO
Susan Whitsett, Einstein Distinguished Fellow, MCB/BIO
Tracy Johnson, Assistant Professor, Department of Biological Sciences
University of California, San Diego, and
CAREER and PECASE Award Recipient
Arthur Grider, Associate Professor, Department of Foods and Nutrition
University of Georgia, and QEM Consultant

- Session II: Directorate for Mathematical and Physical Sciences (MPS) *Salons A and B*
 Z. Charles Ying, Program Director
 Division of Materials Research (DMR), MPS
 Alvin Kennedy, Professor and Chair, Department of Chemistry
 Morgan State University, and QEM Consultant
 Costello Brown, Former Dean of Graduate Studies and
 Research and (Retired) Professor of Chemistry
 California State University-Los Angeles, and QEM Consultant
 Edward Thomas, Jr., Professor, Department of Physics
 Auburn University and CAREER Award Recipient
- Session III: Directorate for Engineering (ENG) *Salons C and D*
 Geoffrey Prentice, Program Director, Division of Chemical, Bioengineering,
 Environmental, and Transport Systems (CBET)
 Alison Flatau, Professor, Department of Aerospace Engineering,
 and Associate Dean of Research, Clark School of Engineering
 University of Maryland College Park
 Omnia El-Hakim, Program Director of Diversity and Outreach, ENG
 Garrick Louis, Associate Professor, Department of Systems and
 Information Engineering, The University of Virginia, and
 CAREER and PECASE Award Recipient
 Arturo Bronson, Professor, Department of Mechanical Engineering
 University of Texas at El Paso
- Session IV: Directorate for Computer & Information Science & Engineering (CISE) *Santa Fe*
 Richard Voyles, Program Director
 Division of Computer and Network Systems (CNS), CISE
 Brian Blake, University of Notre Dame, and QEM Consultant
 Monica Cox, Assistant Professor, School of Engineering Education
 Purdue University, and CAREER and PECASE Award Recipient
 Wayne Lutters, Associate Professor, Department of Information Systems
 University of Maryland Baltimore County, and QEM Consultant
- Session V: Directorate for the Geosciences (GEO) *Office Suite (2nd Floor)*
 Sonia Esperanca, Program Director, Division of Earth Sciences (EAR), GEO
- Session VI: Education and Human Resources (EHR) and *Taos Room (2nd Floor)*
 Social, Behavioral, and Economic Sciences (SBE) Directorates
 Elizabeth VanderPutten, Program Director
 Division of Undergraduate Education, Math Science Partnerships (DUE/MSP)
 Division of Research on Learning (DRL), EHR
 Gerunda Hughes, Associate Professor, Secondary Education, and Director
 Office of Institutional Assessment and Evaluation, Howard University

NOON/PM

- 12:00 *Luncheon Buffet* *Salons E and F*
- 1:00 Plenary Session *Pecos / Sandia*
- *Strengths and Weaknesses of K-12 Outreach Plans in some funded CAREER Projects*
 Susan Whitsett, MCB/BIO, NSF
 - *Preparation of the Education Plan in a CAREER Proposal*
 Tracy Johnson, University of California, San Diego, and QEM Consultant
 - *Preparation of an Evaluation Plan for a CAREER Proposal*
 Gerunda Hughes, Howard University, and QEM Consultant

- *Preparation of CAREER Project Summary, Narrative, and Budget*
Monica Cox, Purdue University, and QEM Consultant

2:30 *Break*

2:45 Plenary Session *Pecos / Sandia*

- *Integrating Research into Teaching – “Best Practices”*

Garrick Louis, University of Virginia, and QEM Consultant

- *Effective Mentoring of Undergraduate, Graduate, and Postdoctoral Students*

Edward Thomas, Jr., Auburn University, and QEM Consultant

- *Criteria Used in the Evaluation of NSF and CAREER Proposals*

Arturo Bronson, University of Texas at El Paso, and QEM Consultant

3:30 Six Concurrent Directorate-focused Sessions (continued)

Refinement of Project Summaries/Proposal Ideas by Individual Faculty Members

5:30 *Adjournment*

Dinner on Your Own

SATURDAY, January 29

AM

8:30 *Continental Breakfast* *Pecos / Sandia*

9:00 Six Concurrent Directorate-focused Sessions

Presentation of Updates of Project Summaries/Proposal Ideas by Individual Faculty

Session I: Directorate for Biological Sciences (BIO)

Pecos / Sandia

Session II: Directorate for Mathematical and Physical Sciences (MPS)

Salons A and B

Session III: Directorate for Engineering (ENG)

Salons C and D

Session IV: Directorate for Computer & Information Science & Engineering (CISE)

Acoma

Session V: Directorate for the Geosciences (GEO)

Office Suite (2nd Floor)

Session VI: Education and Human Resources (EHR) and

Taos Room (2nd Floor)

10:30 *Break*

10:45 Plenary Session *Requirements for Research on Human Subjects*

Pecos / Sandia

Gerunda Hughes, Howard University, and QEM Consultant

11:15 *Use of NSF's FastLane for Submitting Proposals/Required Reports*

Evelyn Baisey-Thomas, Office of Information and Resource Management, NSF (Retired)
and QEM Consultant

PM

12:15 *Luncheon Buffet* *Salons A – D*

1:15 Plenary Session *Pecos / Sandia*

- *Post-Award Responsibilities*

Costello Brown, QEM Consultant

- *Project Dissemination and Sustainability*

Wayne Lutters, University of Maryland Baltimore County, and QEM Consultant

- *The Promotion and Tenure Process*

Edward Thomas, Jr., Auburn University, and QEM Consultant

2:15 Remaining Questions from Participants and *Closing Comments*

2:45 *Adjournment*