

Quality Education for Minorities (QEM) Network
Workshop on the Recruitment and Retention of Hispanic Male Students in
Science, Technology, Engineering, and Mathematics (STEM) at HSIs
Marriott Las Vegas Suites • Las Vegas, NV

March 26-27, 2010

AGENDA

FRIDAY, MARCH 26

AM

- 8:30 *Registration and Continental Breakfast* *17th Floor Foyer*
- 9:00 *Opening Session* *Lake Mead/Red Rock*
Welcome, Introductions, and Review of Purpose and Agenda *(17th Floor)*
 Shirley McBay, President, QEM Network
- 9:30 Plenary Session:
Overview of Research Findings to Date (Data and Lessons Learned)
on STEM Participation and Achievement of Hispanic Males
STEM AND HISPANIC MALES - What's the Problem?
 Carlos Rodriguez, Principal Research Scientist
 American Institutes for Research (AIR), and QEM Consultant
- 10:00 *A Best Practice: Use of Data to Inform Program Interventions*
 Alicia C. Dowd, Associate Professor and Co-Director
 Center for Urban Education, University of Southern California (USC)
- 10:30 *Group Discussion of Findings, Status, and Broadening Participation Challenges*
 Participants Share the Findings and Lessons Learned from their Initiatives
- 11:15 *Coffee Break*
- 11:30 Plenary Session:
Effective Strategies and Best Practices in the Recruitment and
Retention of Hispanic Males in STEM
 Mark Hernandez, Associate Professor, Department of Civil, Environmental
 and Architectural Engineering, and Director, Colorado Diversity Initiative
 University of Colorado, Boulder (UCB)
- NOON/PM**
- 12:00 *Group Discussion of Strategies and Best Practices – Identify Success Factors*
 Teams Discuss their Institutions' Current Recruitment/Retention Strategies
- 12:30 *Working Lunch* *Mt. Charleston (17th Floor)*
Continued Discussion of Institutions' Current Recruitment/Retention
Strategies and Lessons Learned

- 1:30 Concurrent Sessions: Potential STEM Pathway Components
(see assignment sheet for working groups)
- Each working group is to discuss the following topics:
- *Current status and contributing factors in Hispanic male educational attainment/achievement in STEM at each critical juncture*
 - *Best practices, strategies, and models for increasing STEM enrollment/participation of Hispanic males at each critical juncture*
 - *Recommendations for Essential components of a pathway-focused replication “model” for each critical juncture*
- Group I Facilitators: Alicia Dowd, USC and Victor Saenz, UT Austin *Lake Mead*
Group II Facilitators: Lorelle Espinosa, IHEP and J. Arthur Jones, QEM *Lone Mountain*
Group III Facilitators: Carlos Rodriguez, AIR and Althea Burns, QEM *Laughlin*
Group IV Facilitators: Mark Hernandez, UCB and Costello Brown, QEM *Mesquite*
- 3:00 *Break*
- 3:15 Plenary Session: *Lake Mead/Red Rock*
Development of Innovative and Creative Enrollment and Support Strategies in STEM at Critical Junctures along the Educational Pathway
Lorelle Espinosa, Director of Policy and Strategic Initiatives
Institute for Higher Education Policy (IHEP), and QEM Consultant
- Victor Saenz, Assistant Professor, Educational Administration
University of Texas at Austin, and QEM Consultant
- 4:15 Working Groups present overview of their discussions/recommendations regarding key strategies and best practices for recruitment and retention initiatives for Hispanic males at critical junctures of the pathway
- 4:45 Group Discussion:
An Inquiry-Based Session on Facilitating/Inhibiting Factors in the Implementation of Initiatives/Programs to Address Hispanic Males’ Participation in Higher Education and STEM
(Topics will include the Impact of Cultural Traditions on Hispanic/Latino Male Participation in Higher Education and STEM)
- Facilitator: Alicia Dowd, USC, and QEM Consultant
- 5:30 Speaker: Identification of Pathway Components for Potential Replication, from Undergraduate to Graduate School
Mark Hernandez, University of Colorado, Boulder, and QEM Consultant
- Review of Assignment and Next Day’s Agenda*
Shirley McBay, QEM Network
- 6:15 *Adjournment, Day One and Dinner on Your Own*
- Overnight Assignment: Institutional teams discuss potential changes/modifications to their approaches to the recruitment and retention of Hispanic males in STEM and identify three to five critical elements of pathway components to increase their enrollment in STEM.

SATURDAY, MARCH 27

AM

8:30 *Continental Breakfast* *Lake Mead/Red Rock*

9:00 **Concurrent Sessions**

Development of pathway-based STEM recruitment and retention strategies, with a specific focus on three critical transition junctures:

- *High School to College/2-year College Transition*
- *2-Year to 4-Year College/University Transition*
- *Undergraduate to Graduate School Transition*

Institutional Teams Share Program Ideas, Critical Elements, and Strategies from Overnight Assignment

Group I Facilitators: Alicia Dowd and Victor Saenz *Lake Mead*
Group II Facilitators: Lorelle Espinosa and J. Arthur Jones *Lone Mountain*
Group III Facilitators: Carlos Rodriguez and Althea Burns *Laughlin*
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10:00 **Plenary Session:** *Lake Mead/Red Rock*

Replication Techniques and Processes for Implementing Hispanic Male Initiatives

- *Translating methods that demonstrate successful outcomes into evidence-based practice*

Lorelle Espinosa, QEM Consultant

10:30 *Facilitating/Inhibiting Factors in Program Implementation and Lessons Learned*

Victor Saenz, QEM Consultant

11:00 *Coffee Break*

11:15 **Plenary Session:** *Lake Mead/Red Rock*

Potential Sources of Support: Federal and Private Foundations/Corporations

Marilyn Suiter, Program Director for Special Activities
Division of Human Resource Development (HRD)
Directorate for Education and Human Resources, NSF

Costello Brown, QEM Network

PM

12:15 *Working Lunch* *Mt. Charleston*

Working Groups present summary of key discussion points and recommendations for pathway transition options/model

Lake Mead/Red Rock

Closing Comments and Next Steps

1:30 *Adjournment*