# Increasing inclusion of Women \& Women of Color in STEM Academic Departments 



April 29,2015

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## Agenda

- Introduction - "My Story"
- Background Data
- Challenges to Increasing inclusion of women of color faculty
- What is HU ADVANCE-IT?
- Strategies / Programs
- Concluding Remarks


## "My Story"



190

- Faculty member by accident
- 1995 - $1^{\text {st }}$ tenure track woman, tenured, and full professor
- 2014 - still only woman in department
\&EDUCATION. \&ADVOCACY. EMPOWERMENT.
- HU ADVANCE-IT
- Howard University South Africa Project (HURSAP)

http://www.nsf.gov/statistics/

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## Challenges to Increasing inclusion of women of color faculty



Graduate Students

Faculty

## HU ADVANCE-IT Objectives

- Education. To foster and sustain a climate and culture which seeks inclusion of all faculty regardless of race, gender, or other target characteristics at the University and in the department
- Advocacy. To advance the careers of women faculty in STEM disciplines at Howard University
- Empowerment. To position Howard University as a national repository of scholarship on women of color STEM faculty professional experiences, accomplishments, and leadership



## Part I

## WOMEN STEM FACULTY

## Faculty Handbook

- Last revision 1993
- Faculty Handbook Revision Committee (FHRC)
- Charged to update the 1993 handbook
- Revised handbook submitted March 2013
- Section 6.2.3.3 Tenure Clock Extensions
- Child birth or adoption
- Serious health condition
- Death of a parent, child, spouse, or domestic partner
- Catastrophic property loss


## Mini Grants

- Research literature documents women faculty have less access to discretionary resources
- 20 awards to date
- 90\% increase in applications from Cycle 1


## Mini Grants - Impact

- Supported joint faculty/student projects
- Pilot data for proposal submissions
Laboratory Supplies
- Leveraged funds/Pilot data
- NIH R015
- NSF Research Initiation



## Research Symposium

- March 2013 Women in STEM Research Symposium
- April 2014 - Universitywide Research Day
- Women in STEM Panel live streamed



## Friday, April 4, 2014

## STEM Woman Researcher of the Year

- 2014 Recipient
- Dr. Georgia M. Dunston, Founding Director, National Human Genome Center



## Unconscious Bias Training

- Launched in Fall 2014
- Provost's mandate to

Deans to requires all APT and Search Committees to be trained

- Provost Search

Committee completed Training


## Unconscious Bias Training -Impact

Learned New Information About Unconscious Biases


Plan to Use Skills Learned
From Training


Various Committees Help Decision Making


Strongly Disagree
$\square$ Disagree
$\square$ Neutral
$\square$ Agree
Strongly Agree

## Leadership Development

- Seminars
- Dr. Verna Orr: Profiles, Pedigrees and Proficiencies: Influencing the Trajectories of African American Women Postsecondary Presidents
- Follow-the-Leader
- Shadowing program
- Uses vast network of women leaders in the DC area
- External Training/Workshops



## Leadership Development Impact

Inspired to Become Leader


## Mentoring

- Seminar series
- Mentorship
- Sponsorship
- Facilitate Interaction with Mentors and Sponsors


## Faculty Fellows

- 2014: Dr. Kimberly Lewis, RPI
- Nanomaterials Research Center/

Department of Electrical Engineering

- 2015: Dr. Dara Norman, National Optical Astronomy Observatory (NOAO)
- Department of Physics and Astronomy


## Media Campaign

- Media Training sponsored by Office of University Communications (OUC)
- HU ADVANCE-IT Content

Development - Media Week

- STEM stories from 18 Women Faculty
- Introduction Video for HU ADVANCE-IT website



## Media Campaign Impact

Workshop Evaluation


Prior Interview Experience

$\square$ Print
$\square$ Radio
$\square$ Television
$\square$ Live Television
$\square$ No Interviews
$\square$ Other Interviews

## Possible Strategies

- Limited Source Conversion
- Partner with institutions with larger pool of graduate students
- Make offer secure while completing postdoc
- Stay connected with graduates
- Partner with Professional societies
- Geographic challenges/ isolation
- Partner with Pipeline programs
- Incentivize cluster hires
- Visiting Faculty
- Maintain contact with graduates


## Possible Strategies (continued)

- Full Professor Promotion
- Collaboration with parallel international organizations;
- Sponsorship
- Incentivize ADVANCE Network of Women Faculty in STEM
- Incentivize willingness to raise issues on campus


## Thank you.

