Scientific Career Development

Marie A. Bernard, M.D.
Deputy Director
National Institute on
Aging





5 Cardinal Principles

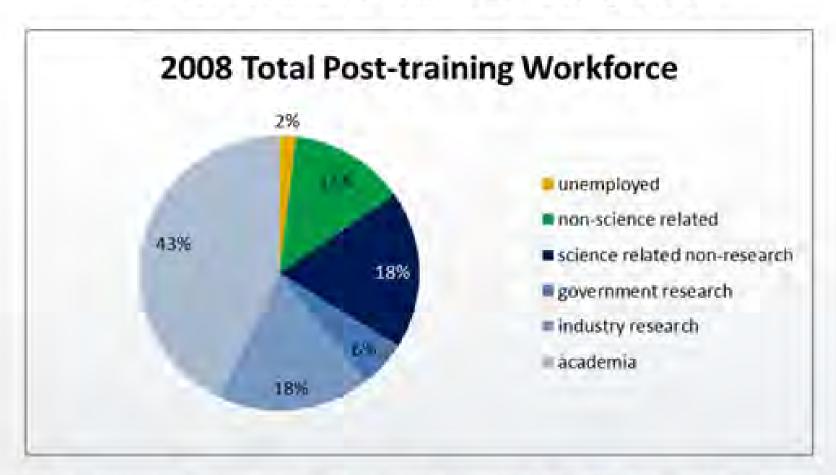
- 1. Know your objectives
- 2. Line up your resources
- 3. Know the rules of the game and play by them
- 4. Keep your eye on the prize
- 5. Remember where you came from and how you got there

1. Know your objectives

What is your ultimate career goal?

- a) Academic research
- b) Industrial research
- c) Government
- d) Other
- e) All of the above

Biomedical Workforce Snapshot



Note: Because the source of the numbers in the pie chart is the NSF/SDR, they only include US doctorates and total about 130,000, which is an underestimate of the total workforce

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Mentors



Mentors



Support System



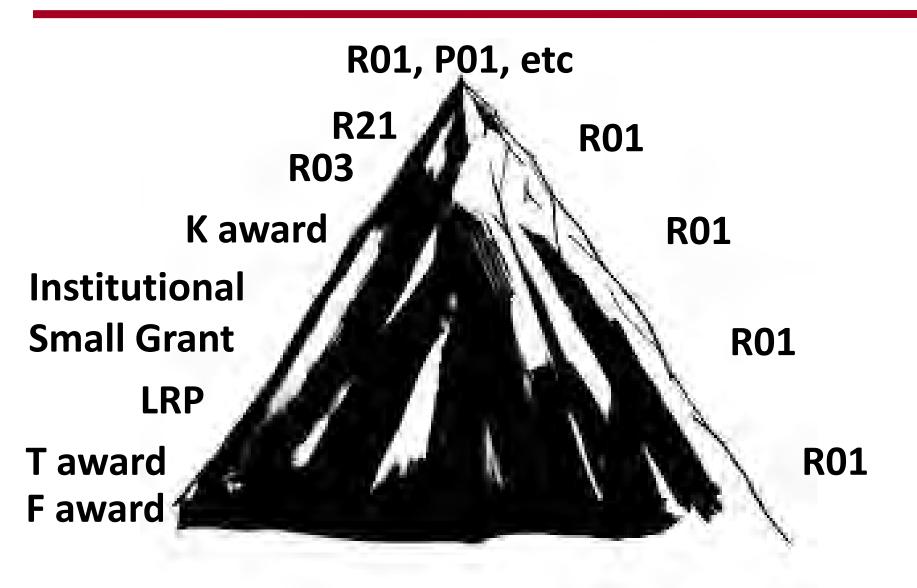








Grants Along the Way



Comparison: Salary across Broad Fields by Years of Experience

Years Since PhD	Bio Med	Comp Math	Physical Science		Engineer
0	51,594	66,804	57,775	55,532	72,992
10	87,766	99,972	94,180	87,853	113,314
30	123,959	109,277	122,148	107,321	133,292

Starting salaries are the lowest.

There is some catch-up late career

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Berry's World



"He didn't publish, so he perished."

Mentor-Mentee Relationship

- 1. Clear expectations
- 2. Respect for the mentor's time
- 3. Follow-through
- 4. Follow-up
- 5. Revisit relationship periodically



Publish!



Network



- 1. Colleagues
- 2. Other labs
- 3. Your institution
- 4. Scientific meetings





Be a Good Scout



- Honest
- Loyal
- Dependable

Publish Today

5 Cardinal Principles

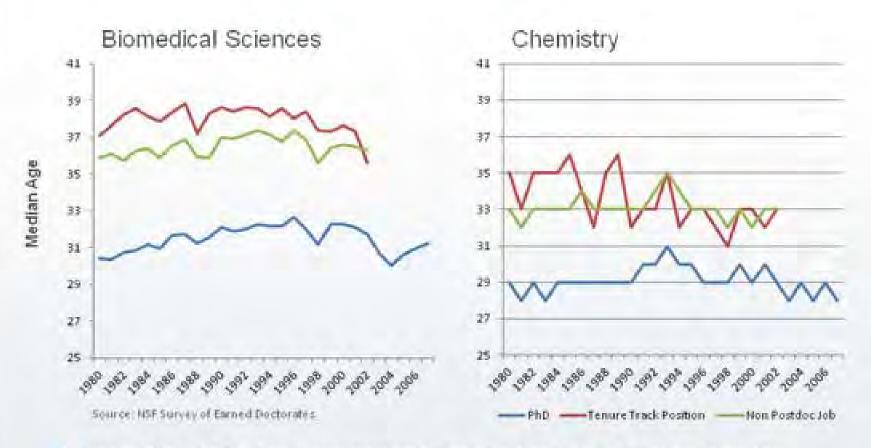
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Keep Your Eye on the Prize

- Lots of distractions along the way
- Anticipate lots of rejection
- Peers may seemingly be ahead of you

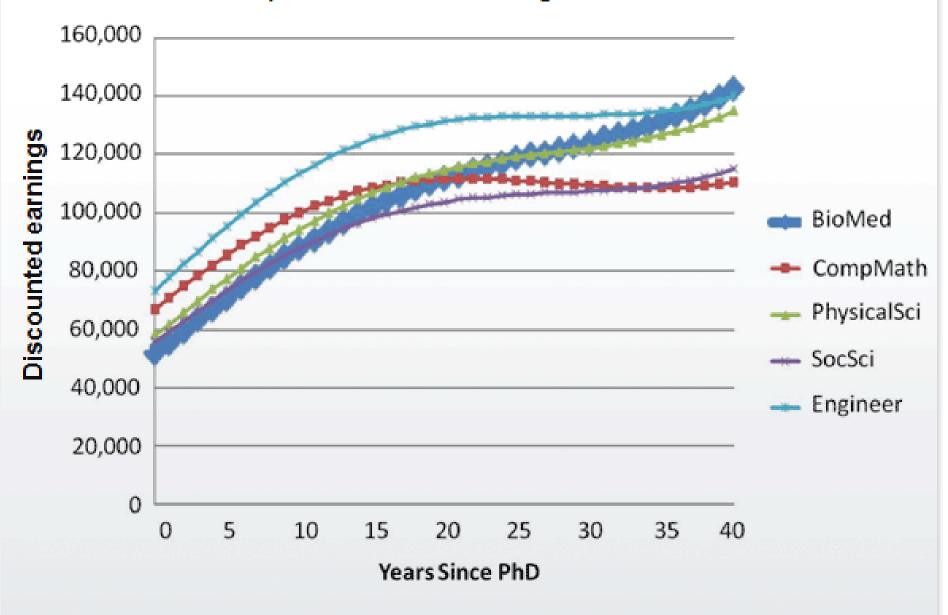


Training: Age at First PhD, First Non Postdoc Job, First Tenure Track Job, for Biomedical and Chemistry Doctorates



Chemistry PhDs are younger and time to first job is earlier than for biomedical sciences PhDs.

Comparisons of Earnings Profiles

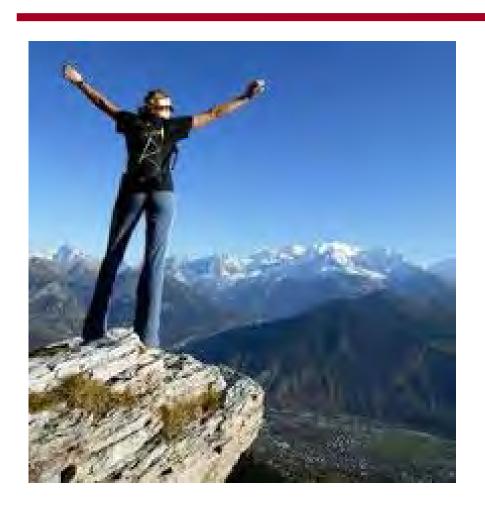


Keep Your Eye on the Prize

- Lots of distractions
- Lots of rejection
- Peers may seem ahead
- Not much positive feedback
- Sometimes asked to do things not to your benefit



5. Remember Where You Came From and How You Got There



When you get to the top help others along the way



A Networking Option



Women of Color Committee

- Established to address the unique needs of Women of Color (WOC)
- Energized by NAS Conference Seeking
 Solutions: Maximizing American Talent by
 Advancing Women of Color in Academia, June
 7-8, 2012, Washington, DC

NAS Presentation – Ginther & Kahn

Women of color are less likely than white women to:

- Graduate from college
- Obtain a PhD in Science and Engineering
- Obtain a tenure-track job at a non-minority serving institution





NAS Presentation – Ginther & Kahn

Women of color are more likely to:

- Be employed in non-tenure track positions
- Be employed at minority-serving institutions





The Home Page: Our Public Face



The Home Page: Our Public Face

EVENTS

May 9, 2013

Achieving Scientific Equity for the Prevention of Mental, Emotional, and Behavioral Disorders in Minorities and Other Populations

Natcher Auditorium

NIH main campus, Bethesda, MD

May 10, 2013

APPLICATION DEADLINE: NIH Diversity Funding Opportunity Announcements

May 14, 2013

6th Annual NIH Career Symposium NIH Main Campus, Bethesda, MD

Natcher Conference Center, Building 45

See All Events

NEWS

May 07, 2013

Harvey Mudd Closes the Gender Gap Listen to (or read) this NPR story about how Harvey Mudd College is encouraging women to studv...

May 06, 2013

NIMHD 2013 Translational Health Disparities Course- Applications Due May 15

The National Institute on Minority Health and Health Disparities (NIMHD) is now accepting...

May 03, 2013

An Intervention Using Flexible Work Policies to Promote Career Advancement and Work-Life Balance In this Academic Medicine article, the authors describe an intervention at UC Davis. Source...

See All News

RESOURCES

- Diversity and Faculty Development Digest (DiFac)
- Examples of Successful NIH Grant Proposals
- Forants and Funding Opportunities for Scientis
- National Postdoctoral Association: From Ph.D. to Professoriate
- NIA Links Newsletter
- NIGMS Workshop for Postdocs Transitioning to Independent Positions
- NIH Biomedical Workforce Working Group Report
- NIH Diversity in the Biomedical Research Workforce Working Group Report
- NIH Early Career Reviewer Program

See All Resources





ABOUT US



NATIONAL INSTITUTES OF HEALTH

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Women of Color Research Network

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Nadia Winston

MSPH (Recent Graduate 2013)
Meharry Medical College

PRIVATE MESSAGES

- Write New Message
- Messages Messages

LATEST FORUMS

Welcome, Aparnal Thanks for Posted on July 1, 2013 - 08:28

Posted in Helio to new members! by Keren Witkin

Hello Everyone, I am Aparna

Posted on June 28, 2013 - 14:56

Posted in Hello to new members! by aparna singh

Science Policy

Send Private Message (PM) My Messages

Membership Directory

My Messages

COMMUNITY ACTIVITIES

View Resources

Start New Group

Start New Forum

Find More Colleagues

Original Content on Forum

- Interviews
 - WOC members
 - Causal Factors grantees
 - Prominent women of color scientists

- The Spectrum Blog
 - NIH 101
 - Applying for an NIH Research Grant
 - What Happens to Your Grant Application
 Once it Reaches NIH



Now Enhanced and Updated: The Women of Color Research Network

http://www.wocrn.nih.gov/

- A social media site
- Provides information, networking, mentoring, and career development opportunities
- Offers news items, upcoming events, resources,

discussion forums

>900 members and growing: JOIN NOW!

