

CEOSE Mini-Symposium on Institutions Serving Persons with Disabilities in STEM

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Director, Project on Science,
Technology and Disability and
ENTRY POINT!

October 15, 2007
Arlington, VA

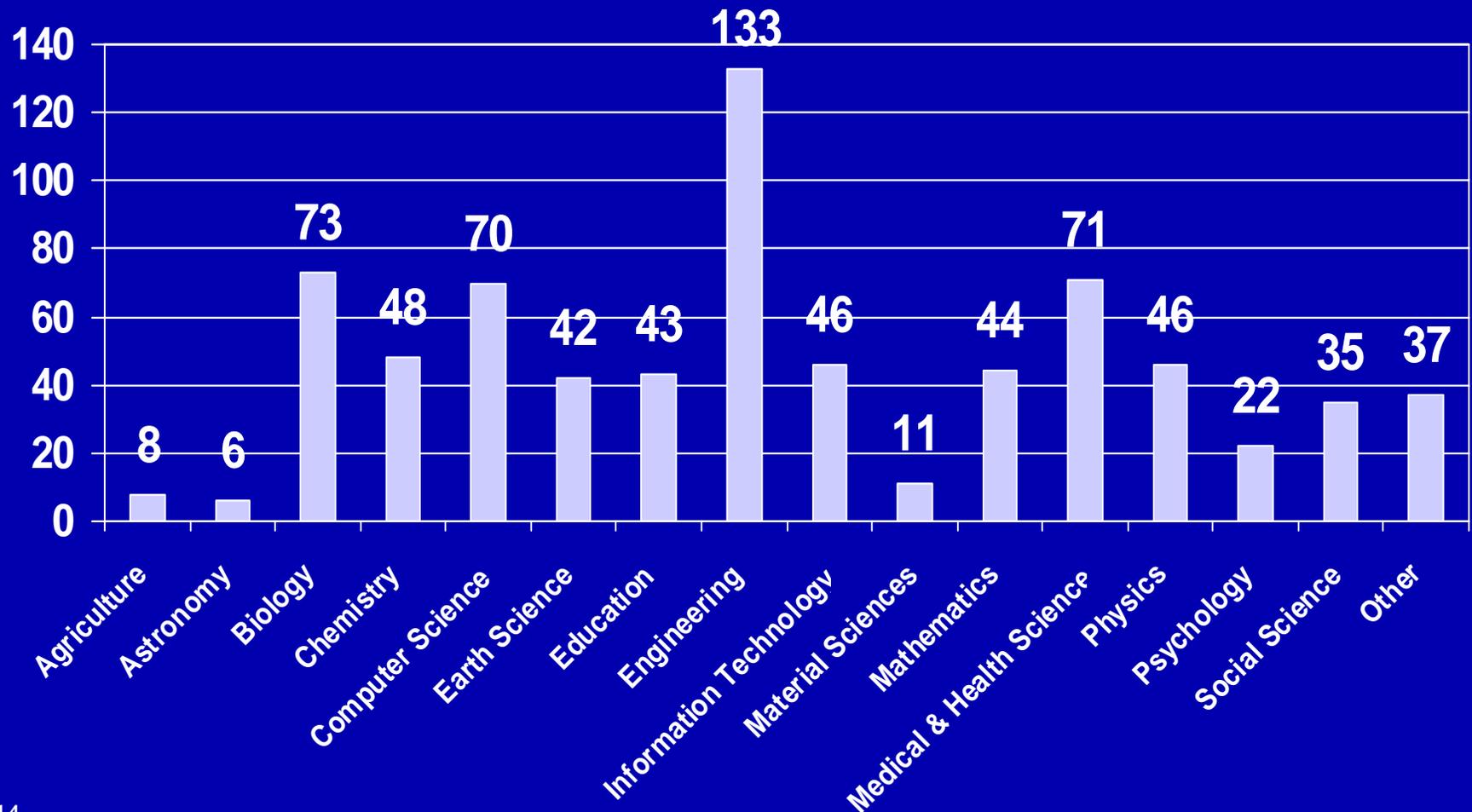


- AAAS Project on Science, Technology and Disabilities began in 1975.
- The project serves scientists and engineers with disabilities: students at all levels; faculty; parents; counselors; and the media.
- ENTRY POINT! includes high achieving undergraduate and graduate students. All are in STEM.
- *Resource Directory of Scientists and Engineers with Disabilities* includes individuals with bachelor degree or higher. First edition 1978. Fourth edition in progress.

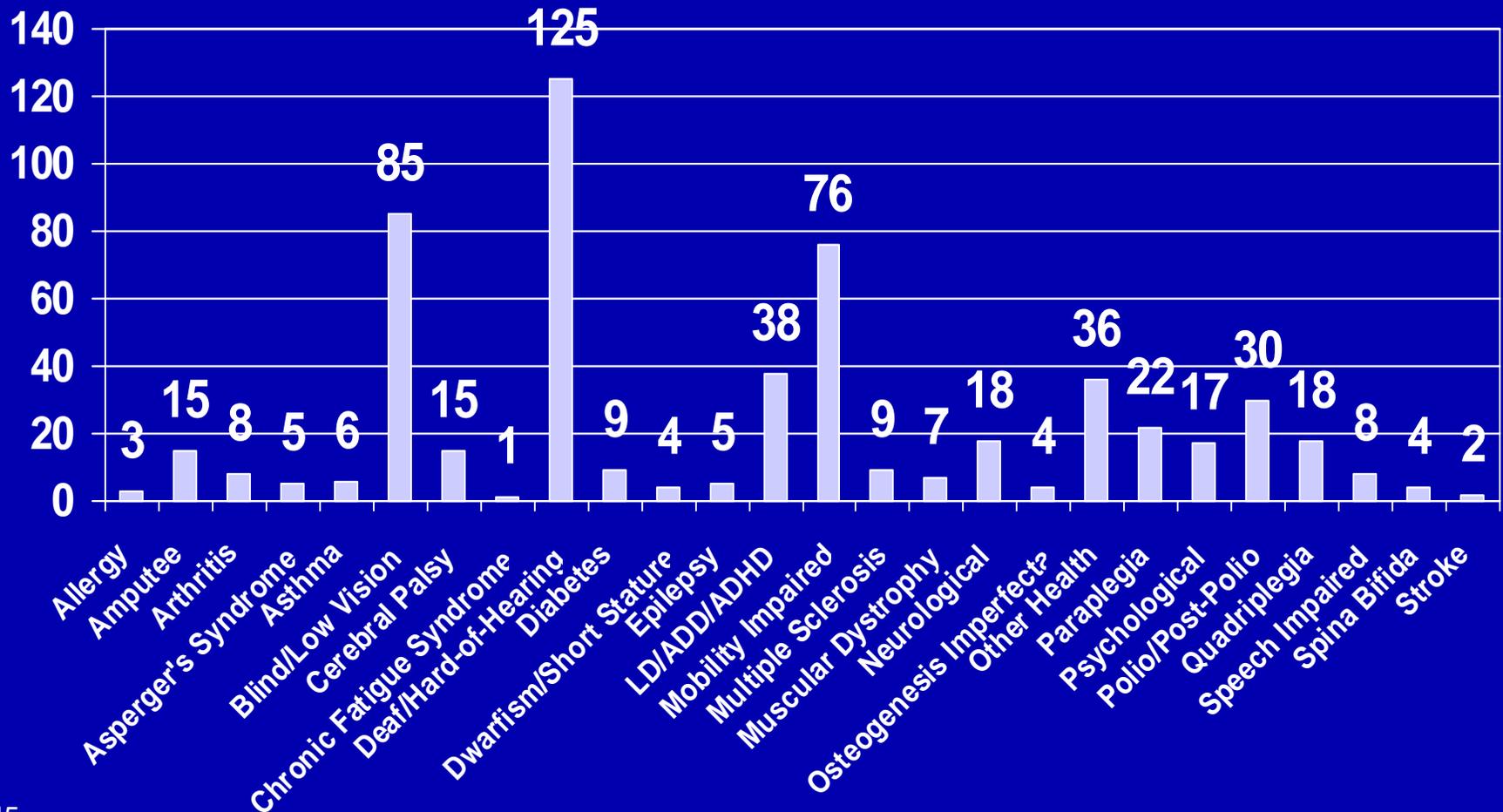
Resource Directory – Highest Degree Conferred

- Doctoral/Prof. 170 (35.3 %)
- Masters 139 (28.8 %)
- Bachelors 147 (30.5 %)
- Associate/Other 26 (5.4 %)

Resource Directory - Science Disciplines



Resource Directory – Disability Groups



ENTRY POINT!

- Currently in its 11th year.
- AAAS recruits nationally. All science disciplines. All disabilities.
- 600 students applied; vetted pool of 120 students.
- In 2007, 47 students had paid STEM internships in public and private sectors.
- Internships are absolutely critical for entering the STEM workforce.

We have more talent than internship opportunities.

Entry Point! 2007 – Alumni and Partners

- Entry Point! alumni association now has 440 individuals (1996-2007)
- Partners include:
 - NASA / ACCESS (1996)
 - IBM (1997)
 - NOAA (2004)
 - Merck (2005)
 - Google (2006)
 - Lockheed Martin (2007)
 - CVS (2008)
 - NAVAIR (2008)

ENTRY POINT! - Impact

- Persisting in STEM is a balance between expectations and reality.
- For Entry Point! students, expectations trump reality.
- Over 90 % of alumni are employed in STEM, in graduate school or continuing undergrad.

There is no correlation between disability and STEM discipline.

ENTRY POINT! - Needs

- There is currently no funding from NSF or any other federal agency targeted at individual students with disabilities in STEM disciplines.
- There is not enough attention to STEM students with non-apparent disabilities, especially minority students.
- Some have persisted and had success.

Ricardo Polius

Alabama A&M

Biotechnology

PhD Candidate

NASA Marshall



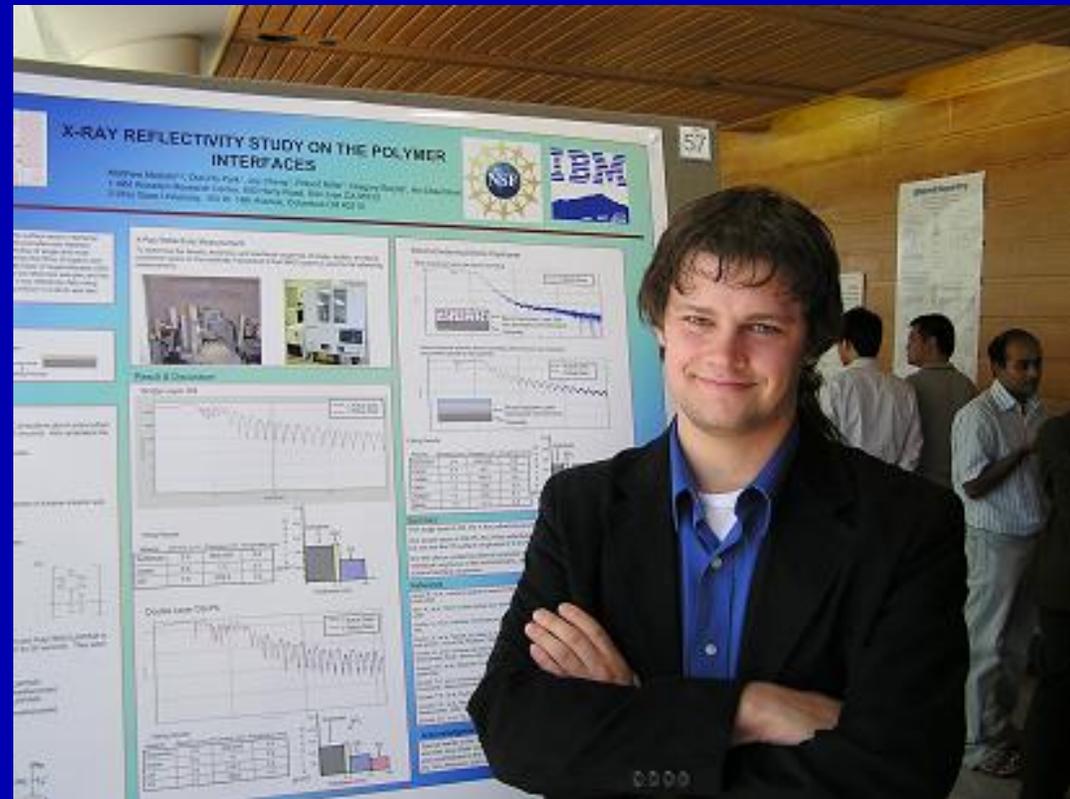
Grace Bolanos
Milwaukee
School of Engr.
Software Engineering
NASA HQ



Betsy Pugel
U. of Maryland
PhD
Goddard



Matthew Meleski
 Ohio State U.
 Chemistry/Biology
 CPIMA/IBM/Stanford



Brittany Tofinchio
RPI
Biology/Management
NOAA/NERO,
Gloucester



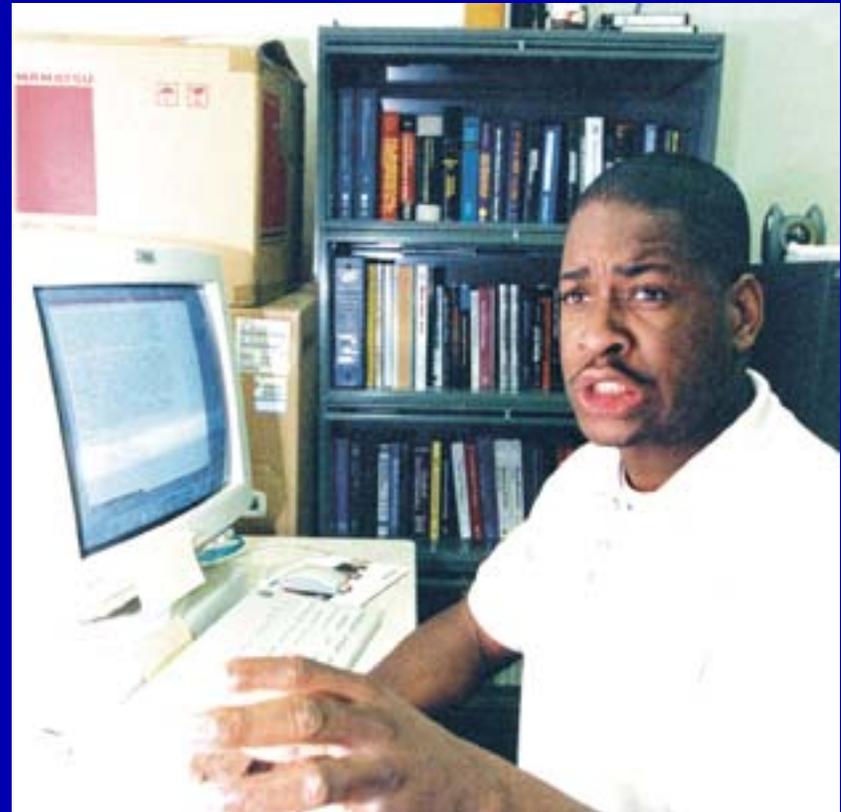
Chad Cheetham
UC Riverside
Neuroscience
Merck & Co.



Jessica Granderson
UC Berkeley
Mechanical Engineering
NASA/Goddard



Francis Jackson
Augsburg Univ.
Computer Science
NASA/Ames/Goddard



Whitney Blanchard
Univ. of New Hampshire
Environmental Engr.
NOAA/NFWS



Royce James

Columbia University
Plasma Physics
NSF; NASA/Goddard

- *and* -

Jason Grieves

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IBM, Texas



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