

American Chemical Society



National Diversity Equity Workshop

Committee on Chemists with Disabilities

08 April 2019
James Schiller
Chair
American Chemical Society
Committee on Chemists with Disabilities



James Schiller - Merck

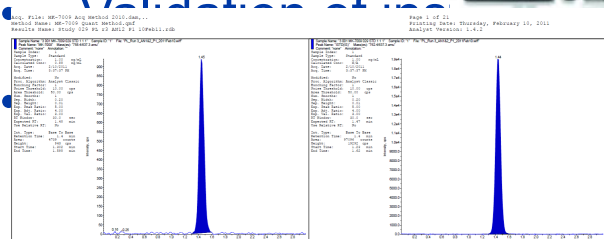
Director – Regulated Bioanalytical



- Joined Schering-Plough (now Merck) January 2003
- Regulated Bioanalytical group within Pharmacokinetics, Pharmacodynamics and Drug Metabolism Department (PPDM) supporting SALAR (Safety Assessment and Laboratory and Animal Resources)
- Lead a group of analysts responsible for the bioanalysis of small molecule, peptide and antibody drug candidates for preclinical development programs utilizing automated liquid handling instrumentation, quantitative LC-MS/MS and electrochemiluminescence (ECL) assays
- Responsible for the preparation of the preclinical bioanalytical sections of FDA regulatory filings for supported compound programs

James Schiller- Merck
Director – Regulated Bioanalytical

- Support Preclinical Safety and Toxicology by providing validated bioanalytical methods for the quantitative analysis of development compounds in animal matrices
- Laboratory activities in compliance with FDA guidance
 - Sample Handling
 - Documentation
 - Electronic data capture
- Validation of bioanalytical methods



American Chemical Society Committee on Chemists with Disabilities – (CWD)



ACS Committee
Chemists with Disabilities

- Chair – James Schiller – (2018-2020)
- ACS Staff Liaison – Paula Christopher; Committee Liaison – Dr. Martha Holloman
- Consultant – Laureen Summers – American Association for the Advancement of Sciences (AAAS)
- Members – Rafael San Miguel, Dr. Debra Feakes, Dr. Henry Wedler, Pedro Flores Gallardo, Dr. Christian Hamann, Dr. Theresa Windus, Dr. George Heard, Dr. Carl Heltzel, Dr. Lee Hoffmann, Dr. Kevin Kelley, Dr. Lucian Lucia, Marcie Merritt, Missy Postlewaite, Dr. Patricia Redden, Dr. Annmarie Ross, Dr. Sharon Rozofsky, Ashley Neybert
- Associate Members - Michelle Cummings, Dr. Maria Dulay, Dr. Stefan Kilyanek, Dr. Mona Minkara, Dr. Amie Norton, Rachel Scroggins, Dr. Christine Payne, Dr. Dontarie Stallings
- Demographics: 29 Members >>> 16 PhDs
 - 7 Private Industry; 18 Academia/Student; 4 Government/Nonprofit

American Chemical Society Committee on Chemists with Disabilities – (CWD)



ACS Committee
Chemists with Disabilities



American Chemical Society

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American Chemical Society Committee on Chemists with Disabilities – (CWD)



ACS Committee
Chemists with Disabilities

- Vision
 - The committee envisions a time when all individuals, including those with disabilities, will advance the chemical enterprise by drawing on the full range of their talents.
- Mission
 - The committee will promote educational and professional opportunities in the chemical sciences and in fields requiring knowledge of chemistry for persons with disabilities. The committee will champion the capabilities of those persons to educators, employers, and peers.



- Ensure that all ACS-sponsored services and programs promote and advance the full participation of students with disabilities
- Promote opportunities for individuals with disabilities employed in or seeking employment within chemistry and its allied fields, supporting the ACS Strategic Plan
- Provide and promote a portfolio of programs, products, and services to increase participation and leadership in the chemical community by individuals with disabilities
- Serve as a resource to the chemistry community as a whole with reference to issues concerning the education and employment of individuals with disabilities.

Committee on Chemists with Disabilities – (CWD) Governance



ACS Committee
Chemists with Disabilities

- Meet twice a year during the ACS national meetings – (Spring and Fall/Late Summer)
 - Chair – Diversity and Inclusion Advisory Board Meeting - Friday
 - CWD working meeting and dinner – Saturday afternoon
 - CWD full day meeting - Sunday
 - Chair Report to ACS board – Wednesday
 - Sponsored by ACS; Supported by ACS Diversity and Inclusion team
- Strategy
 - Evaluation of strategy, goals, objectives and stakeholders every 4-5 years
 - Two day strategy retreat - 2019
- Project Teams
 - Execute on ideas generated at the national meeting in alignment with CWD goals and objectives

Executing on Objectives - Inclusion Teaching Chemistry to Students with Disabilities



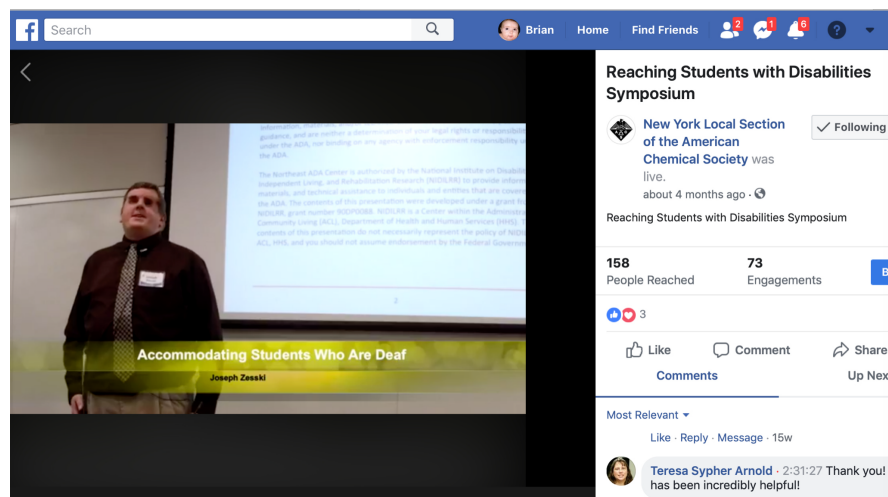
ACS Committee
Chemists with Disabilities

- “Teaching Chemistry to Students with Disabilities” is a resource book for teachers at the high school, college, and postgraduate levels; students with disabilities; parents; counselors; and professional staff in college Disability Services for Students (DSS) Offices.
- “Teaching Chemistry” is widely recognized as a source of practical information about how to promote full participation of students with disabilities in the classroom and the laboratory.
- Since publication of the initial edition in 1981, “Teaching Chemistry” has become a standard reference on the topic.
- The fourth edition was published in 2001. Committee members are now working on a new revision for a fifth edition. (Publication date TBD)

Executing on Objectives - Inclusion Reaching Students with Disabilities



- The ACS New York Local section held a day-long symposium on methods for adapting chemistry lectures and laboratories for students with disabilities at the Graduate Center of the City University of New York.
- Speakers were sourced from CWD, and local ACS sections in New York and Philadelphia.



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Executing on Objectives - Awareness Chemists and Scientists with Disabilities



ACS Committee
Chemists with Disabilities


ACS
Chemistry for Life®


Chemist
Sir Humphrey Davy
Vision Impairment
Sir Humphry Davy discovered Sodium, Potassium, Chlorine, Boron, Magnesium, Calcium, Strontium, and Barium.



**PEOPLE WITH DISABILITIES ARE
PEOPLE WITH UNIQUE ABILITIES**

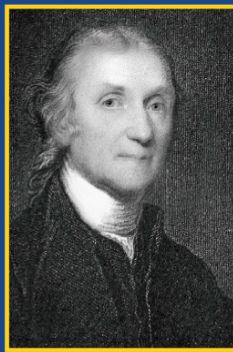
Open your mind to the extraordinary past, present and future contributions of people with disabilities.

 COMMITTEE ON CHEMISTS WITH DISABILITIES
AMERICAN CHEMICAL SOCIETY
<http://www.acs.org/cwd>




ACS
Chemistry for Life®


Scientist-Philosopher
Joseph Priestley
Speech Disability
Joseph Priestley discovered Oxygen.



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ACS
Chemistry for Life®


Chemist
Florence B. Seibert
Mobility Impaired Polio Survivor
Florence Seibert invented the first reliable tuberculosis test. Her test was adopted by the World Health Organization in 1951 and remains in use today.



**PEOPLE WITH DISABILITIES ARE
PEOPLE WITH UNIQUE ABILITIES**

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Executing on Objectives - Awareness Chemists and Scientists with Disabilities



ACS Committee
Chemists with Disabilities



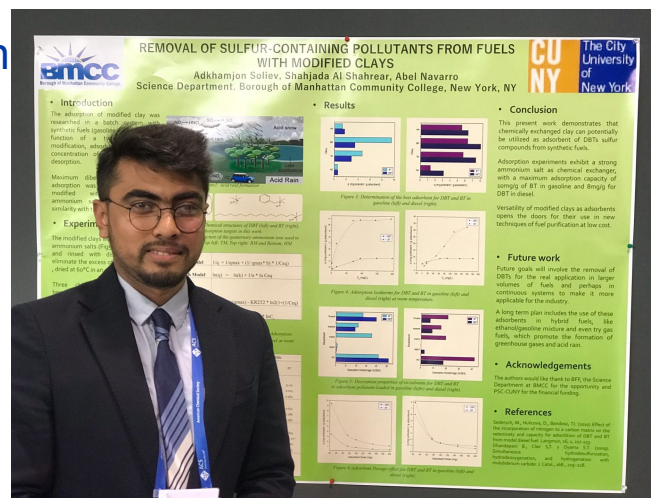
Executing on Objectives - Opportunity Chemists and Scientists with Disabilities Student Travel Award



- The purpose of the ACS-CWD Travel Award is to encourage the participation of undergraduate students, graduate students and post-docs with disabilities who will present a talk or poster at the Spring or Fall ACS National Meeting



— on PhD University of Cincinnati



CUNY -



Executing on Objectives - Inclusion

ACS – ChemLuminary Award



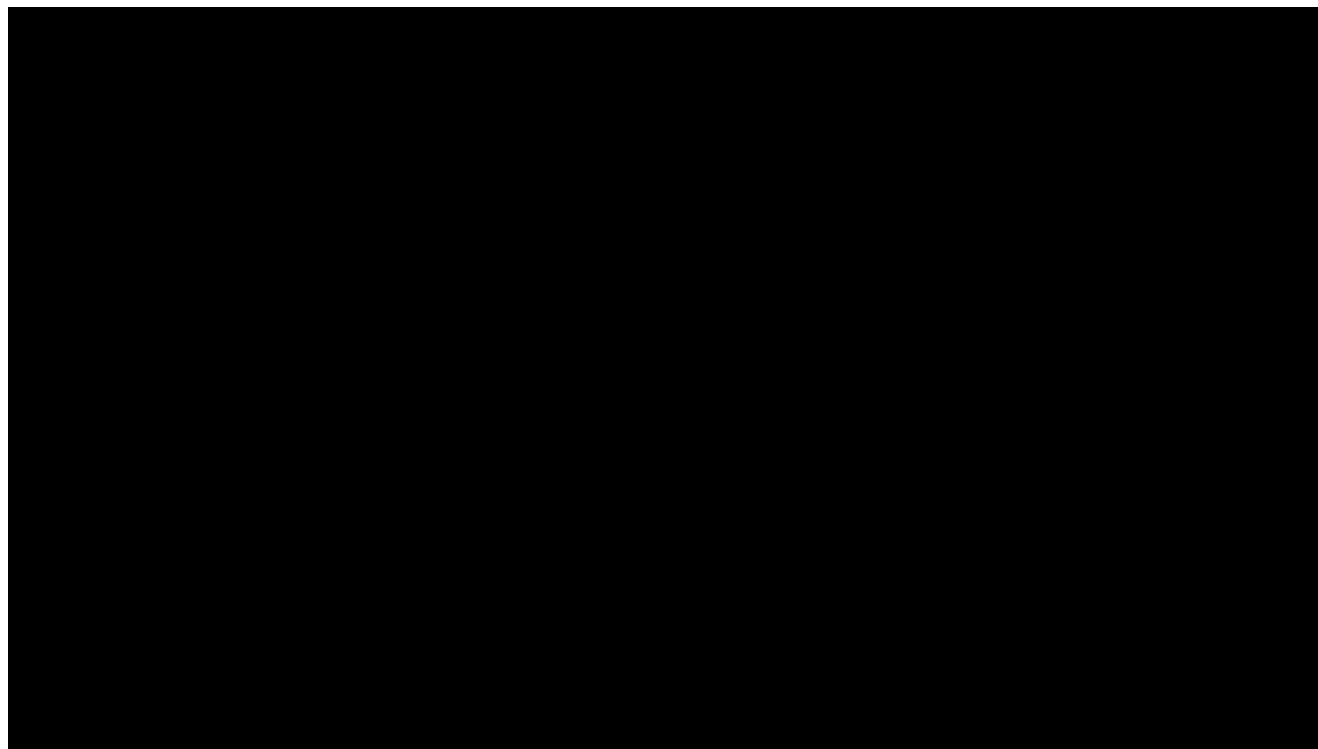
ACS Committee
Chemists with Disabilities

- The CWD-sponsored award recognizes the outstanding efforts of a local section or division that supports the mission of the ACS Chemists with Disabilities Committee
 - Promote educational and professional opportunities in the chemical sciences and in fields requiring knowledge of chemistry for persons with disabilities.
 - The award also recognizes events to help educators, advocates and families of persons with disabilities that demonstrate pertinence to the CWD mission
 - Inaugural Recipient will be in 2019

Executing on Objectives “What does Success Look Like?”



ACS Committee
Chemists with Disabilities



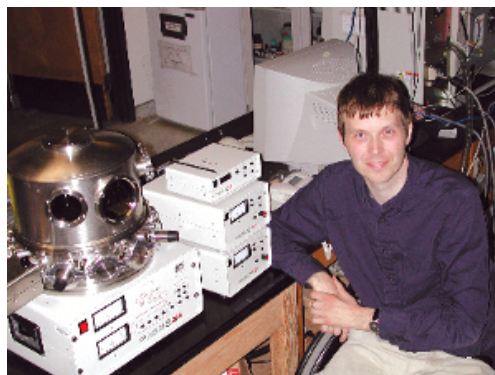
American Chemical Society Committee on Chemists with Disabilities – (CWD) What's Next?



- Refresh Strategy – May 2019
- Deliver unique content and symposia via online and social media platforms
- Inform ACS D&I board on best practices for accessible presentations
- Collaborate with academia on research proposals and strategies on how best to include students with disabilities
- Influence programming
- Collaborate with Member Societies on Best Practices for inclusion of students with disabilities
 - Chemical Engineer (AIChE)
 - Physics Teachers (AAPT)
 - OXIDE

Acknowledgements

- Dr. Karl Booksh
- Dr. John Johnston
- Paula Christopher
- American Chemical Society and
- ACS Diversity and Inclusion I
- Dr. Eric Woolf - Merck



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