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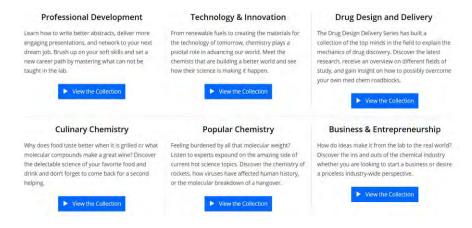
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Virtual Office Hours: LinkedIn Profiles for Chemists





Thursday, Feb. 3rd @12pm ET

- Optimize your LinkedIn profile
- How to attract new career opportunities
- Best practices of virtual networking

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A science podcast by the **American Chemical Society** about things small in size but BIG in impact.



Sam Jones, PhD Science Writer & Exec Producer



Deboki Chakravarti, PhD Science Writer & Co-Host



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The Office of Diversity, Equity, Inclusion & Respect (DEIR) is the central hub at the American Chemical Society that coordinates, supports, and guides all efforts by staff, members, and governance toward Strategic Goal 5, "Embrace and Advance Inclusion in Chemistry." The Office of DEIR at ACS is committed to empowering everyone. irrespective of lived experience and intersectionality of identities, to fully participate in the chemistry enterprise. The Office of DEIR welcomes comments, suggestions, and questions around issues of diversity, equity, inclusion, and respect from members at any time. Please do not hesitate to reach out to the Office through this form.

Please do not hesitate to reach out to the Office of DEIR at diveristy@acs.org

https://fs7.formsite.com/acsdiversity/ACSMemberFeedback/index.html









Date: Tuesday, February 1 @ 1-2pm ET Speakers: Pamela M. Leggett-Robinson, PLR Consulting / Sherine Obare, North Carolina A&T State University and UNC Greensboro / Shanina Sanders Johnson

Moderator: Paula Christopher, American Chemical Society

Register for Free!

- What You Will Learn:
- · How to design curricular activities that engage students and build upon their diverse backgrounds in an inclusive manner
- How to build a research environment where any student can successfully develop the skills, talent, competence, and confidence needed for the workforce
- perspectives, professions, and racial/ethnic/gendered identities of members

Co-produced with: ACS Office of Diversity, Equity, Inclusion & Respect



Date: Wednesday, February 2 @ 2-3pm ET Speaker: Matt Grandbois, DuPont Electronics & Industrial Moderator: Annabelle Lolinco, Iowa State University

What You Will Learn:

- How to leverage the concepts of accepting and building to foster
- . Why improving professional empathy can build win-win scenarios
- · How collaboration can improve productivity and ingenuity

Co-produced with: ACS Division of Professional Relations





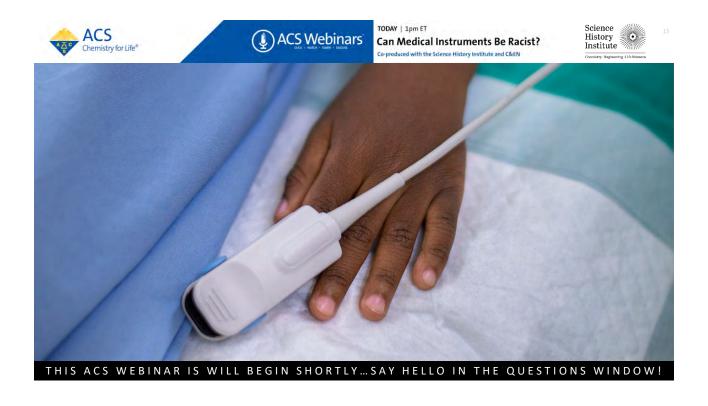
Date: Wednesday, February 9 @ 2-3pm ET Speaker: Mary Beth Mulcahy, ACS Chemical Health & Safety Moderator: Ralph Stuart, Keene State College

What You Will Learn:

- . How to recognize the multiple contributing factors that lead to a laboratory
- . How a laboratory accident can impact a chemist's career
- . What are ACS Chemical Health & Safety journal's expectations for incident

Co-produced with: ACS Division of Chemical Health and Safety and ACS Committee on Chemical Safety

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Can Medical Instruments be Racist?





 $Presentation \ slides \ are \ available \ now! \ The \ edited \ recording \ will \ be \ made \ available \ as \ soon \ as \ possible.$

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Can Medical Instruments be Racist?



Roger Turner
Research Curator
Science History Institute

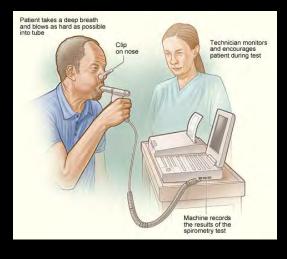
315 Chestnut Street Philadelphia, PA 1910

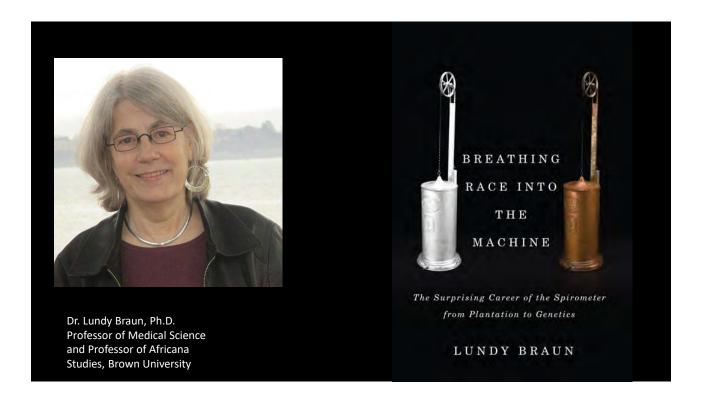
Pulse Oximeter and Spirometer: Instruments that matter today, with biases rooted in history





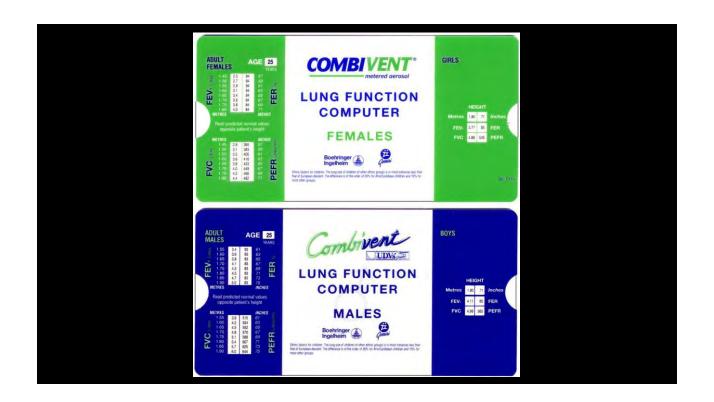
Spirometry

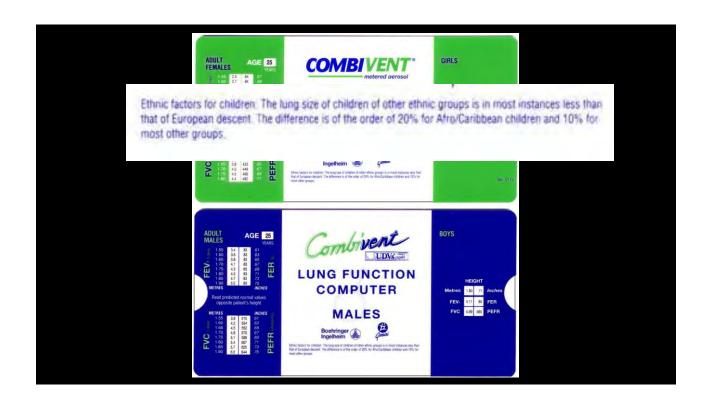


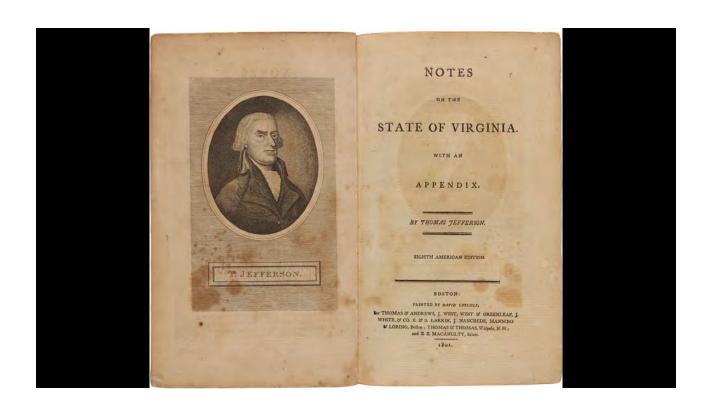


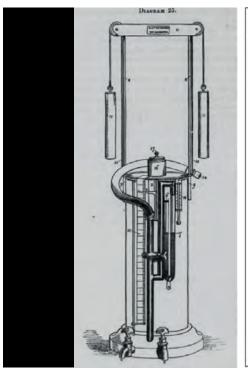


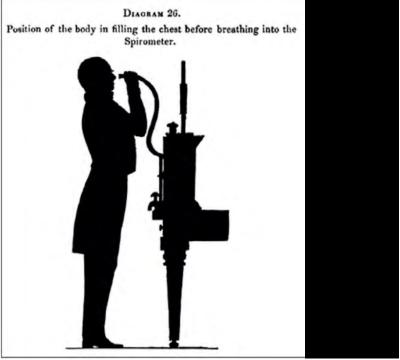










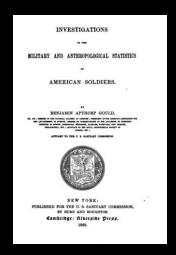


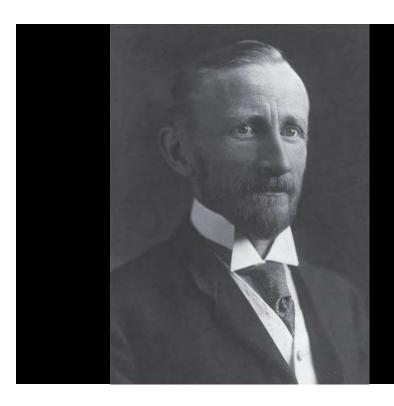


Samuel A Cartwright Enslaver and Physician

Benjamin Apthrop Gould and US Sanitary Commission



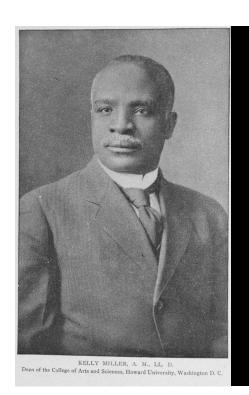




Frederick Hoffman, chief statistician for Prudential <u>Life In</u>surance Co

Dissenting Voices: W.E.B. Du Bois

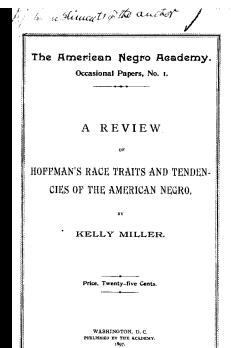


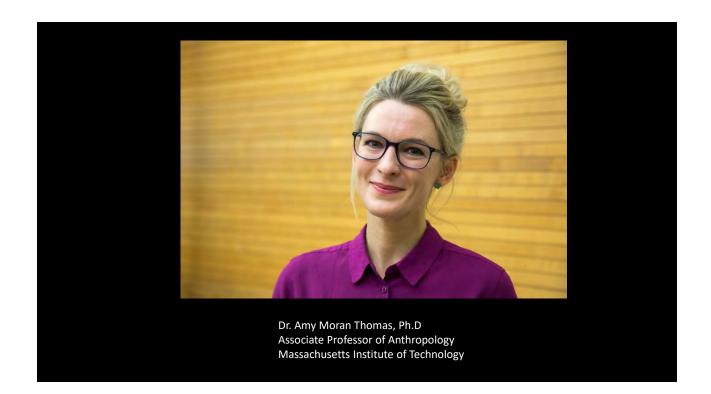


Kelly Miller Mathematician and Sociologist at Howard University

Portrait courtesy of Schomburg Center for Research in Black Culture, NY Public Library.

Review of Race Traits image via Library of Congress.







Oximetry: Roots in Extreme Environments and Aerospace Medicine

Hypoxia Warning System Brochure Beckman Instruments (c. 1963). Science History Institute Digital Collections

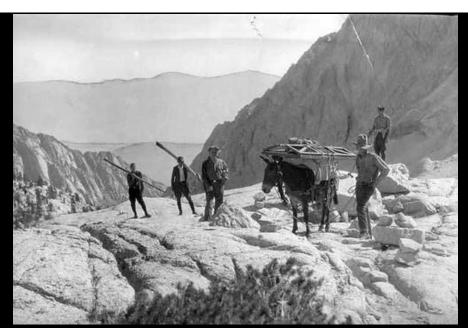
Ear Oximeters, 1930s-1940s



Karl Matthes



Glenn Millikan



Glenn Millikan (left), Robert Millikan (center) on Mount Whitney, 1925. Image courtesy Caltech Archives.

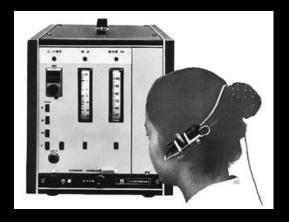


Oximetry: Roots in Anesthesiology and Clinical Medicine

Beckman Model 160 Physiological Gas Analyzer and Modular Cuvette (c 1960s) Science History Institute Digital Collections

Takuo Aoyagi and the Contemporary Pulse Oximeter



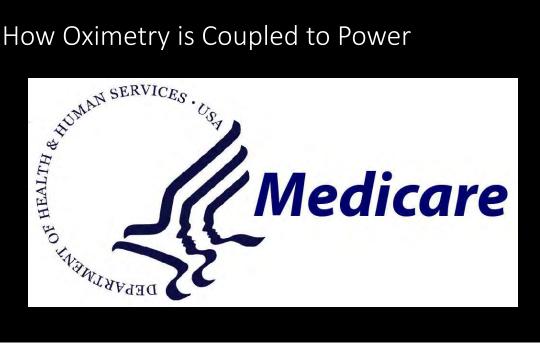


Nihon Kohdon Oximeter OLV-5100 (1975)

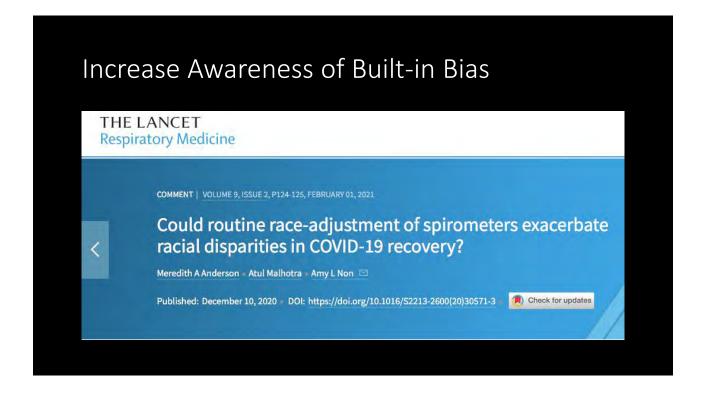
Can Medical Instruments be Racist?

• Racism = prejudice + power

How Oximetry is Coupled to Power



What to Do? Solutions and Responses



Acknowledge Racism in Sci & Tech Policy

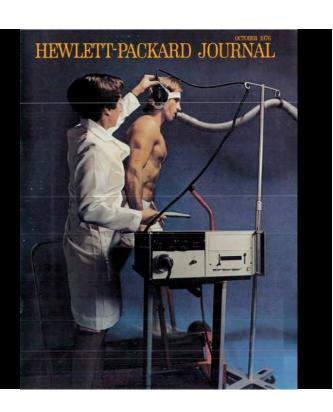


Dr. Alondra Nelson, Deputy Directory of OSTP

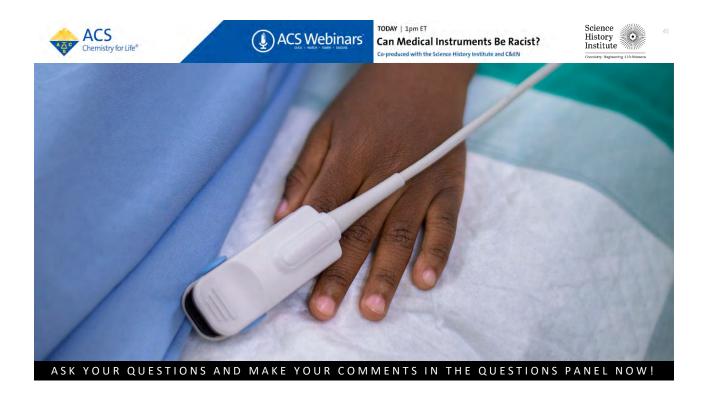
Legislation



Build instruments for the full range of bodies











Can Medical Instruments be Racist?





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Approaching DEIR in Chemistry through Academia, Industry, and Community



Speakers: Pamela M. Leggett-Robinson, PLR Consulting / Sherine Obare, North Carolina A&T State University and UNC Greensboro / Shanina Sanders Johnson

Moderator: Paula Christopher, American Chemical Society

Register for Free!

What You Will Learn:

- How to design curricular activities that engage students and build upon their diverse backgrounds in an inclusive manner
- How to build a research environment where any student can successfully develop the skills, talent, competence, and confidence needed for the workforce
- How to utilize local section activities to increase inclusion of diverse perspectives, professions, and racial/ethnic/gendered identities of members

Co-produced with: ACS Office of Diversity, Equity, Inclusion & Respect



Date: Wednesday, February 2 @ 2-3pm ET

Speaker: Matt Grandbois, DuPont Electronics & Industrial

Moderator: Appahella Jolingo Jowa State University

Register for Free!

What You Will Learn:

- How to leverage the concepts of accepting and building to foster collaboration
- Why improving professional empathy can build win-win scenarios
 How collaboration can improve productivity and ingenuity

Co-produced with: ACS Division of Professional Relations

Zebras or Horses?

How a False Sense of Security Can Lead to Lab Accidents



Date: Wednesday, February 9 @ 2-3pm ET
Speaker; Mary Beth Mulcahy, ACS Chemical Health & Safety
Moderator; Ralph Stuart, Keene State College

Register for Free!

What You Will Learn:

- How to recognize the multiple contributing factors that lead to a laboratory accident
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Co-produced with: ACS Division of Chemical Health and Safety and ACS Committee on Chemical Safety

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Improving Science Collaboration with Lessons from Improv

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