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ACS Career Navigator: Your Home for Career Services



Whether you are just starting your journey, transitioning jobs, or looking to brush up or learn new skills, the ACS Career Navigator has the resources to point you in the right direction.

We have a collection of career resources to support you during this global pandemic:



Professional Education



Virtual Career Consultants



ACS Leadership Development System



Career Navigator LIVE!



College to Career



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Visit <u>www.ACS.org/COVID19-Network</u> to learn more!

ACS Department of Diversity Programs



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ACS Scholars Endowment Founder Joe Vacca, retired Vice President of Chemistry, Merck & Co., meets with his 2018 ACS Scholar Johanna Masterson, now a grad student at Princeton University.

"Chemistry has been good to me...so I wanted to make a significant gift to provide that opportunity to others."





Date: Thursday, January 28, 2021 @ 2-3:30pm ET

Speakers: Katrina Knauer, BioCellection Inc. and Philippe Reutenauer, Léa Nature

Moderator: Peter Boul, Aramco Americas

Register for Free!

What You Will Learn:

- Challenges in recycling of plastics and scaling new depolymerization technologies
- Chemical pathways for breaking down single-use plastics with an emphasis on polyethylene
- Synthesis of new polymers from chemically recycled monomers
- How food companies can modify their relationship towards plastics to face the public concerns linked to plastic packaging
- Mechanical recycling and its limitations and the emerging solutions for chemical recycling

Co-produced with: ACS Division of Polymer Chemistry



Date: Tuesday, February 2, 2021 @ 7-8pm ET

Speaker: Davis Tran, Wakefield High School / Jason Love; Wakefield High School / Nelson Fuamenya, Wakefield High School / Ana Munoz, Wakefield High School / Hina Aftab, Wakefield High School / Verlese Gaither, Wakefield High School Moderator: Peter Dorhout, Iowa State University

Register for Free!

What You Will Learn

- Ideas, insights, and perspectives on cultivating an equitable, inclusive STER classroom
- Practical takeaways to encourage equity and inclusivity in the STEM classroom
- Overcoming challenges and barriers to achieving equity

Co-produced with: American Association of Chemistry Teachers, ACS Department of Diversity Programs, ACS Diversity, and the ACS Inclusion & Respect Advisory Board





Date: Wednesday, February 3, 2021 @ 2-3pm ET Speaker: Brian Gibney, Brooklyn College and CUNY Moderator: Blake Aronson, American Chemical Society

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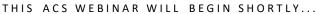
What You Will Learn:

- What are your graduate degree options in chemistry
- How to prepare for applying and attending graduate school in chemistry
- What to expect in graduate school in chemistry

Co-produced with: ACS on Campus

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Using the Science of Mentorship for Mentorship in Science



Renetta Garrison Tull
Vice Chancellor of Diversity, Equity and
Inclusion, University of California, Davis



Program Officer, Howard Hughes Medical Institute



Assistant Director for Educational Research, American Chemical Society

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

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Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



Which of the following elements are part of your mentorship experiences? (select all that apply)

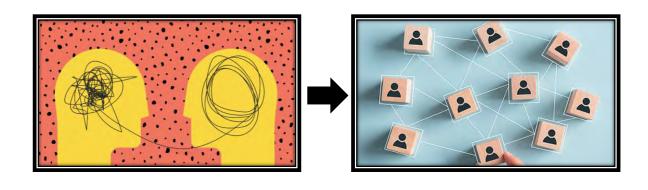
- Trust
- Self-reflection
- Explicit expectations
- Mentorship education



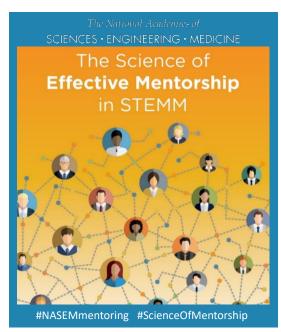
* If your answer differs greatly from the choices above tell us in the chat!

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is IMPORTANT, MULITFACETED, and PERSONAL Renetta Garrison Tull Mae Chance libraria, Equity and Inclusion, University of California, Davis Sonia Zárate Program Officer, Howard Hughes Medical Institute Jodi Wesemann Assistant Director for Educational Research American Chemical Society







The National Academies of SCIENCES • ENGINEERING • MEDICINE

Read the Report

www.nap.edu/MentorshipInSTEMM

Use the Online Guide

www.nap.edu/resource/25568/interactive

Listen to the Podcast

thescienceofmentorship.transistor.fm

Learn about the Project

www.nas.edu/mentoring

Join the Conversation

#NASEMmentoring or #ScienceOfMentorship

Ask a Question or Make a Comment mentoring@nas.edu

What is Mentorship?

The National Academies of CIENCES - ENGINEERING - MEDICINE



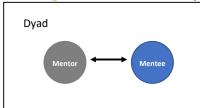
Mentorship is a professional, working alliance in which individuals work together over time to support the personal and professional growth, development, and success of the relational partners through the provision of career and psychosocial support.

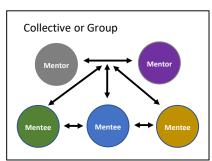
The Science of Effective Mentorship in STEMM Online Guide V1.0 (www.nationalacademies.org/MentorshipInSTEMM)

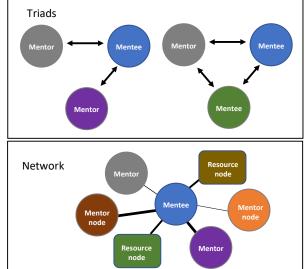
Mentorship Structures Sciences - Engineering - Medicine



A range of structures support mentees' development, including:









Audience Survey Question



What best describes the status of your mentorship network?

- A few key individuals
- Several collectives
- A mix of individuals and collectives
- A rich constellation of individuals and collectives



^{*} If your answer differs greatly from the choices above tell us in the chat!

Mentorship Elements

The National Academies of SCIENCES - ENGINEERING - MEDICIN



Trust develops when mentors and mentees work together to identify and respond to their mutual goals, needs, and priorities. These change over time and thus may require adjustment.

Self-reflection Critical and honest self-reflection occurs at multiple stages of effective mentorship processes.

Expectations Explicit declarations of the expectations of both mentors and mentees at the initiation of mentorship—revisited periodically and possibly recorded in writing—can help create an effective mentoring relationship.

Education Mentorship is a learned skill, and mentorship education influences mentor and mentee attitudes, self-efficacy, and behaviors.



Attributes for Effective Mentorship Relationships

RESEARCH SKILLS	PSYCHOSOCIAL & CAREER SKILLS
 Developing disciplinary research skills Teaching and Learning disciplinary knowledge Developing technical skills Accurately assessing mentees' understanding of disciplinary knowledge and skills Valuing and practicing ethical behavior and responsible conduct of research 	 Providing motivation Developing mentee career self-efficacy Developing mentee research self-efficacy Developing science identity Developing a sense of belonging
SPONSORSHIP SKILLS	INTERPERSONAL SKILLS
 Fostering mentees' independence Promoting professional development Establishing and fostering mentee professional networks Actively advocating on behalf of mentees 	 Listening actively Aligning mentor and mentee expectations Building trusting relationships/ honesty
Pfund <i>et al., AIDS Behav.</i> 2016, 20:238-248.	DIVERSITY/CULTURALLY-FOCUSED SKILLS Advancing equity and inclusion Being culturally responsive Reducing the impact of bias Reducing the impact of stereotype threat

Putting Research into Practice

From The Science of Effective Mentorship in STEMM, 2019 (www.nap.edu/MentorshipInSTEMM)



BOX 5-2 Effective Mentor Behaviors Adapted from Entering Mentoring

Entering Mentoring describes the following set of mentor competencies or behaviors:

- Align expectations: Mentors make expectations explicit and create a safe space for mentees to
 make their expectations explicit. Together they engage in negotiations to ensure that expectations of all parties can be met.
- Assess understanding: Mentors work with mentees to understand what the mentees know and
 are capable of and consider what the mentees can do to further develop and achieve success.
- Communicate effectively: Mentors engage in active listening with mentees, provide timely and
 constructive feedback, recognize that communication styles differ, and work with mentees to
 accommodate their personal communication styles.
- Address equity and inclusion: Mentors reflect on and account for the biases and assumptions they may bring to a mentoring relationship and acknowledge and account for how their background might differ from the background of their mentees.
- Foster independence: Mentors work to motivate mentees, build their confidence, stimulate their creativity, acknowledge their contributions, and navigate their path toward independence.
- Promote professional development: Mentors help mentees to set career goals, develop and
 refine plans related to career goals, develop a professional network, and access resources
 that will be helpful in their professional development. Mentors also recognize the influence
 they have as a professional role model.
- National Research Mentoring Network (https://nrmnet.net/)
- · Center for the Improvement of Mentored Experiences in Research (https://cimerproject.org/)
- The Science of Effective Mentorship in STEMM Online Guide V1.0 (www.nationalacademies.org/MentorshipInSTEMM)









What type of mentorship skills are you MOST interested in developing?

- Research skills
- Sponsorship skills
- Psychosocial & career skills
- Interpersonal skills
- Diversity/culturally-focused skills



* If your answer differs greatly from the choices above tell us in the chat!

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Discover more about Science Mentorship with this Resource!



https://www.acs.org/content/dam/acsorg/events/professional-development/Slides/2021-01-27-mentorship-resources.pdf

*These resources are provided for informational use only. Inclusion on this list does not constitute an endorsement by ACS



ASK YOUR QUESTIONS AND MAKE YOUR COMMENTS IN THE QUESTIONS PANEL NOW! 27





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