Mentoring is critical for achieving full potential at every career stage and in every field. It promotes efficiency, increases productivity, and enhances career satisfaction. Effective mentoring is especially important for women in science.

Mentoring Women in Science

Women are underrepresented in leadership positions in academia and often report feeling alienated and isolated. According to the National Science Foundation, only 20 percent of full-time, full professors in science and engineering are women. Access to quality mentoring remains important throughout a woman’s scientific career. Women with mentors publish more frequently and are more likely to receive grant funding. Female assistant professors with mentors were 25 percent more likely to receive grant funding than their female colleagues without mentors.

Why Should I Be a Mentor?

Mentoring is more than just professional generosity; the mentors also benefit from mentoring relationships. Discussions with your mentees can provide fresh perspectives on your research and advance your personal career development. Furthermore, mentoring gives you the opportunity to practice your leadership skills and build your professional network.

Becoming an Effective Mentor

Like anything else, effective mentoring requires time and practice. Before creating a mentoring relationship, take time to consider mentoring best practices. Talk to senior colleagues about their experiences, and participate in mentoring training sessions offered by academic institutions, professional societies, and other sources. Best practices to consider include:

- Begin the relationship with a needs assessment that establishes expectations and articulates desired outcomes.
- Set clear boundaries and guidelines at the beginning: How often will you meet? Will you be discussing research issues, career development, personal problems, or all three? Are any topics off-limits?
- Strive for clear and effective communication. Give honest and objective feedback.
- Be encouraging and motivating, but also be realistic. Challenge your mentee to think broadly and to consider all opportunities.
- Maintain confidentiality to build a relationship based on trust.
- Create a judgment-free zone.
- Keep in mind that you are mentoring not just a researcher, but a whole person who likely has competing professional and personal priorities. Be sensitive to this complexity, and be prepared to help with time management suggestions or tips for overcoming guilt and anxiety.
- Recognize that your mentee may have needs, goals, values, and priorities that differ from your own.
- Be approachable and accessible.

Mentoring Women in Science for mentors

Men·tor: noun |men-tör, -tər| : a trusted counselor or guide : TUTOR, COACH
Men·tee: noun |men-te| : one who is being mentored : PROTÉGÉ

Share your personal story with your mentee. How did you end up in your position? What challenges did you face along the way?
The Office of Research on Women’s Health (ORWH) promotes women’s health and sex differences research within and beyond the NIH and works to ensure that women and minorities are included in clinical research. ORWH establishes the NIH research agenda for women’s health, co-funds research in partnership with NIH Institutes and Centers, and supports women in biomedical careers and women’s health researchers.

 References and Resources


We always tell our BIRCWH Scholars that they should select their mentors VERY carefully. If they are successful, these mentors will last them for an entire lifetime!"

—Eugene P. Orringer, M.D., Professor of Medicine, University of North Carolina (UNC); Director, UNC Building Interdisciplinary Research Careers in Women’s Health (BIRCWH) Program

For more information about career development for women scientists, visit the NIH Office of Research on Women’s Health web site:
http://orwh.od.nih.gov/career.html

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