



## Resource Guide and Selected Citations

### Websites

Kelly A. Diggs Consulting, LLC: STEMM-focused consulting firm that provides tailored training, evaluation, and outreach services to improve diversity, mentoring, communication, education, leadership, and professional development of STEMM professionals at each career stage.

[www.kellydiggs.com](http://www.kellydiggs.com)

Center for the Improvement of Mentored Experiences in Research (CIMER): resource clearinghouse dedicated to improvement of research mentoring relationships, including access to evidence-based “Entering Mentoring” curricula

[www.cimerproject.org](http://www.cimerproject.org)

National Research Mentoring Network (NRMN): nationwide resource for mentorship in STEMM

[www.nrmnnet.net](http://www.nrmnnet.net)

National Academies of Sciences “Science of Effective Mentorship in STEMM” Online Guide

<https://www.nationalacademies.org/MentorshipInSTEMM>

### Selected Readings

1. National Academies of Sciences, Engineering, and Medicine (2019). [\*The Science of Effective Mentorship in STEMM\*](#). Washington, DC: The National Academies Press.
2. Diggs-Andrews KA, Mayer DCG, Riggs B (2021). [Introduction to effective mentorship for early-career scientists](#). *BMC Proceedings*. 15(Suppl 2): 7.
3. Dewsbury B, Seidel S (2020). [Reflections and actions for creating an inclusive research environment](#). *Current Protocols Essential Laboratory Techniques*. 21: e43.
4. Antes AL, Kuykendall A, DuBois JM (2019). [The lab management practices of “Research Exemplars” that foster research rigor and regulatory compliance: A qualitative study of successful principal investigators](#). *PLoS One*. 14(4): e0214595.
5. House SC, Spencer KC, Pfund C. (2018). [Understanding how diversity training impacts faculty mentors’ awareness and behavior](#). *International Journal of Mentoring and Coaching in Education*. 7(1):72-86.
6. Chaudhary VB, Berhe AA (2020). [Ten simple rules for building an antiracist lab](#). *PLoS Computational Biology*. 16(10): e1008210.
7. Hernandez IA, Smith JL, Villodas MT, Thoman DB (2023). [Creating an inclusive research lab with student onboarding materials](#). *Nature Reviews Psychology*. 2: 197-198.
8. Byars-Winston A, Womack VY, Butz AR, McGee R, Quinn SC, Utzerath E, Saetermoe CL, Thomas S. (2018). [Pilot study of an intervention to increase cultural awareness in research mentoring: Implications for diversifying the scientific workforce](#). *Journal of Clinical and Translational Science*. 2: 86-94.
9. Weir K (2022). [Growing a healthy lab](#). *Monitor on Psychology*. 53(5): 75.
10. Maestre FT (2019). [Ten simple rules towards healthier research labs](#). *PLoS Computational Biology*. 15(4): e1006914.
11. Womack VY, Wood CV, House SC, Quinn SC, Thomas SB, McGee R, Byars-Winston A. (2020). [Culturally aware mentorship: Lasting impacts of a novel intervention on academic administrators and faculty](#). *PLoS One*. 15: e0236983.

“Catalyzing inclusion-focused transformational practices in STEMM...because we are all scientists!”

[www.kellydiggs.com](http://www.kellydiggs.com)



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12. Pfund C, Pribbenow C, Branchaw J, Miller Lauffer S, Handelsman J. (2006). [The merits of training mentors](#). *Science* 311:473-474.
13. Weber-Main A, Shanedling J, Kaizer A, Connett J, Lamere M, El-Fakahany E. (2019). [A randomized controlled pilot study of the University of Minnesota mentoring excellence training academy: A hybrid learning approach to research mentor training](#). *Clinical and Translational Science*. 1-13.
14. Pfund C, House S, Asquith P, Fleming M, Buhr K, Burnham E, Eichenberger Gilmore J, Huskins W, McGee R, Schurr K, Shapiro E, Spencer K, Sorkness C. (2014). [Training mentors of clinical and translational research scholars: a randomized controlled trial](#). *Academic Medicine*. 89:774-782.
15. Butz AR, Spencer K, Thayer-Hart N, Cabrera IE, Byars-Winston A. (2019). [Mentors' motivation to address race/ethnicity in research mentoring relationships](#). *Journal of Diversity in Higher Education*. 12: 242–254.

### **Additional resources**

[Useful Resources for Building an Inclusive Research Lab](#) (APA)

[Resources for Researchers to Promote DEI in Lab](#) (University of Oregon)