

PRISE List of Publications

1. Plotkin, G, Hazari, Z., & Sadler, P.M., (2009) Unraveling Bias from Student Evaluations of their Science Teachers, *Science Education*, 93(4), 827-845.
2. Orr, Marisa, Zahra Hazari, Philip M. Sadler, and Gerhard Sonnert. "Career Motivations of Freshman Engineering and Non-Engineering Students: A Gender Study." Proceedings of the American Society for Engineering Education annual conference, Austin, TX, 2009.
3. Hazari, Zahra, Gerhard Sonnert, Philip M. Sadler, and Marie-Claire Shanahan. "Connecting High School Physics Experiences, Outcome Expectations, Physics Identity, and Physics Career Choice: A Gender Study." *Journal of Research in Science Teaching* 47, no. 8 (2010): 978-1003.
4. Hazari, Zahra, Philip M. Sadler, and Gerhard Sonnert. "What Type of Science Person Are You? Gender & Race/Ethnicity Comparisons." Proceedings of the National Association for Research in Science Teaching (NARST) Annual Conference, Orlando, FL, 2011.
5. Almarode, John T., Katherine Dabney, Jaimie L. Miller, Zahra Hazari, Robert H. Tai, Gerhard Sonnert, and Philip M. Sadler. "Out-of-School Time Science Activities and Their Association with Career Interest in STEM." Proceedings of the National Association for Research in Science Teaching (NARST) Annual Conference, Orlando, FL, 2011.
6. Lung, Florin, Geoff Potvin, Gerhard Sonnert, and Philip M. Sadler. "The Effect of Immigration Status on Physics Identity and Physical Science Career Intentions." Proceedings of the Physics Education Research Conference, Omaha, NE, 2011.
7. Cass, Cheryl A. P., Zahra Hazari, Philip M. Sadler, and Gerhard Sonnert. "Engineering Persisters and Non-Persisters: Understanding Inflow and Outflow Trends between Middle School and College." Proceedings of the American Society for Engineering Education (ASEE) Annual International Conference, Vancouver, BC, 2011.
8. Miller-Friedmann, Jaimie L., Gerhard Sonnert, Katherine P. Dabney, Philip M. Sadler. "The Effect of Out-of-School-Time Programs on Career Choices in STEM." Proceedings of the National Association for Research in Science Teaching (NARST) Annual Conference, Indianapolis, IN, 2012.
9. Dabney, Katherine P., Robert H. Tai, John T. Almarode, Jaimie L. Miller-Friedmann, Gerhard Sonnert, Philip M. Sadler, and Zahra Hazari. "Out-of-School Time Science Activities and Their Association with Career Interest in STEM." *International Journal of Science Education, Part B* 2, no. 1 (2012): 63-79.
10. Lung, Florin, Geoff Potvin, Gerhard Sonnert, and Philip M. Sadler. "Welcome to America, Welcome to College: Comparing the Effects of Immigrant Generation and College Generation on Physical Science and Engineering Career Intentions." Proceedings of the Physics Education Research Conference, Philadelphia, PA, 2012.
11. Sadler, Philip M., Gerhard Sonnert, Zahra Hazari, and Robert H. Tai. "Stability and Volatility of STEM Career Choice in High School: A Gender Study." *Science Education* 96, no. 3 (2012): 411-427.
12. Hazari, Zahra, Gerhard Sonnert, and Philip M. Sadler. "The Science Identity of College Students: Exploring the Intersection of Gender, Race, and Ethnicity." *Journal of College Science Teaching* 42, no. 5 (2013): 46-55.
13. Lung, Florin D., Geoff Potvin, Gerhard Sonnert, and Philip M. Sadler. "Desired Career Outcomes among College Students: Differences by Gender and Intended Career Field." Proceedings of the Physics Education Research Conference, Portland, OR, 2013.

14. Hazari, Zahra, Geoff Potvin, Robynne M. Lock, Florin Lung, Gerhard Sonnert, and Philip M. Sadler. "Factors That Affect the Physical Science Career Interest of Female Students: Testing Five Common Hypotheses." *Physical Review Special Topics - Physics Education Research* 9, no. 2 (2013): 020115.
15. Sadler, Philip M., Gerhard Sonnert, Zahra Hazari, and Robert Tai. "The Role of High School Coursework in Increasing STEM Career Interest." *Science Educator* 23, no. 1 (2014): 1-13.
16. Scott, Tyler D., Zahra Hazari, Geoff Potvin, Philip M. Sadler, and Gerhard Sonnert. "Interdisciplinary Affinity: Definitions and Connections to Physics Identity." Proceedings of the Physics Education Research Conference, Minneapolis, MN, 2014.
17. Fuchs, Travis T., Philip M. Sadler, and Gerhard Sonnert. "High School Predictors of a Career in Medicine." *Journal of Career and Technical Education* 30, no. 1 (2015): 9-28.
18. Godwin, Allison, Tyler Scott, Geoff Potvin, Gerhard Sonnert, and Philip M. Sadler. "The Academic Performance Index: Creating a More Robust and Less Biased Measure of Student Academic Performance." Proceedings of the 45th ASEE/IEEE Frontiers in Education Conference, El Paso, TX, 2015, 1573-1580.
19. Achenbach, Gretchen G., Leslie G. Cintron, Joanne McGrath Cohoon, Philip M. Sadler, and Gerhard Sonnert. "Career Priorities and the Challenge of Recruiting Women to Computing." Proceedings of the American Society for Engineering Education (ASEE) Annual International Conference, Seattle, WA, 2015.
20. Godwin, Allison, Gerhard Sonnert, and Philip M. Sadler. "The Influence of Out-of-School High School Experiences on Engineering Identities and Career Choice." Proceedings of the American Society for Engineering Education (ASEE) Annual International Conference, Seattle, WA, 2015.
21. Bergstrom, Zoey, Philip Sadler, and Gerhard Sonnert. "Evolution and Persistence of Students' Astronomy Career Interests: A Gender Study." *Journal of Astronomy and Earth Sciences Education* 3, no. 1 (2016): 77-92.
22. Godwin, Allison, Gerhard Sonnert, and Philip M. Sadler. "Disciplinary Differences in Out-of-School High School Science Experiences and Influence on Students' Engineering Choices." *Journal of Pre-College Engineering Education Research* 6, no. 2 (2016): 25-38.
23. Monsalve, Camila, Zahra Hazari, Daryl McPadden, Gerhard Sonnert, and Philip M. Sadler. "Examining the Relationship between Career Outcome Expectations and Physics Identity." Proceedings of the Physics Education Research Conference, Sacramento, CA, 2016.
24. Dabney, Katherine P., Teri N. Johnson, Gerhard Sonnert, and Philip M. Sadler. "STEM Career Interest in Women and Informal Science." *Journal of Women and Minorities in Science and Engineering* 25, no. 3 (2017): 249-270.
25. Miller, Kelly, Gerhard Sonnert, and Philip Sadler. "The Influence of Students' Participation in STEM Competitions on Their Interest in STEM Careers." *International Journal of Science Education, Part B* 8, no. 2 (2018): 95-114.
26. Verdin, Dina, Allison Godwin, Gerhard Sonnert, and Philip M. Sadler. "Understanding how First-Generation College Students' Out-of-School Experiences, Physics and STEM Identities, Relate to Engineering Possible Selves and Certainty of Career Path." Proceedings of the Frontiers in Education Conference, San Jose, CA, 2018.

27. Kitchen, Joseph A., Philip Sadler, and Gerhard Sonnert. "The Impact of Summer Bridge Programs on College Students' STEM Career Aspirations." *Journal of College Student Development* 59, no. 6 (2018): 698-715.
28. Major, Justin C., Allison Godwin, Philip M. Sadler, and Gerhard Sonnert. "STEM Experiences of Engineering Students from Low-Socioeconomic Neighborhoods." Proceedings of the American Society for Engineering Education (ASEE) Annual Conference, Salt Lake City, UT, 2018.
29. Kitchen, Joseph A., Gerhard Sonnert, and Philip M. Sadler. "The Impact of College- and University-Run High School Summer Programs on Students' End of High School STEM Career Aspirations." *Science Education* 102, no. 3 (2018): 529-547.
30. Spotts, Kimberly Brooke, Katherine Dabney, Gerhard Sonnert, and Philip Sadler. "Elementary Informal Engineering Experiences and Participation in Later STEM Experiences." In Proceedings of the Society for Information Technology & Teacher Education International Conference, edited by K. Graziano, 2335-39. Las Vegas, NV: Association for the Advancement of Computing in Education, 2019.
31. Spotts, Kimberly Brooke, Katherine Dabney, Gerhard Sonnert, and Philip Sadler. "Elementary Informal STEM and Participation in Later STEM Experiences." In Proceedings of the Society for Information Technology & Teacher Education International Conference, edited by K. Graziano, 2340-44. Las Vegas, NV: Association for the Advancement of Computing in Education, 2019.
32. Dou, Remy, Zahra Hazari, Katherine Dabney, Gerhard Sonnert, and Philip Sadler. "Early Informal STEM Experiences and STEM Identity: The Importance of Talking Science." *Science Education* 103, no. 3 (2019): 623-637.
33. Warne, Russell T., Gerhard Sonnert, and Philip M. Sadler. "The Relationship between Advanced Placement Mathematics Courses and Students' STEM Career Interest." *Educational Researcher* 48, no. 2 (2019): 101-111.
34. Corin, Elysa, Gerhard Sonnert, and Philip Sadler. "The Role of Dual Enrollment STEM Coursework in Increasing STEM Career Interest among American High School Students." *Teachers College Record* 122, no. 2 (2020).
35. Kitchen, Joseph A., Gerhard Sonnert, and Philip Sadler. "Campus Visits: Impact of a College Outreach Strategy on Student STEM Aspirations." *Journal of Student Affairs Research and Practice* 57, no. 3 (2020): 266-281.
36. Chen, Chen, Gerhard Sonnert, and Philip M. Sadler. "The Effect of First High School Science Teacher's Gender and Gender Matching on Students' Science Identity in College." *Science Education* 104, no. 1 (2020): 75-99.
37. Miller, Kelly A., Gerhard Sonnert, and Philip M. Sadler. "The Influence of Student Enrollment in Pre-College Engineering Courses on Their Interest in Engineering Careers." *Journal of Pre-College Engineering Education Research* 10, no. 1 (2020): 90-102.
38. Dabney, Katherine, Kimberly Good, Gerhard Sonnert, and Philip Sadler. "Elementary Informal STEM Experiences and STEM Career Interest." In Proceedings of the Society for Information Technology & Teacher Education International Conference. New Orleans, LA: Association for the Advancement of Computing in Education, 2020: 1159-1163.

39. Chen, Chen, Gerhard Sonnert, and Philip M. Sadler. "What a Difference a Decade Makes: The Evolving Gender Gap in Students' Goal Endorsement and STEM Career Choice." *Journal of Social Change* 12, no 1 (2020): 185-209.
40. Dabney, Katherine, Gerhard Sonnert, and Philip Sadler. "Home Support and Elementary Informal STEM Participation." In Proceedings of the Society for Information Technology & Teacher Education International Conference. Online, 2021.
41. Medina, Annie, Jacqueline Doyle, Gerhard Sonnert, and Philip Sadler. "The Association of Career Outcome Expectations and STEM Career Choice among Hispanic First-Generation Students: A Unique Pattern." *Journal of First-generation Student Success* 1, no. 3 (2021): 203-223.
42. Cohen, Susie, Zahra Hazari, Jonathan Mahadeo, Gerhard Sonnert, and Philip M. Sadler. "Examining the Effect of Early STEM Experiences as a Form of STEM Capital and Identity Capital on STEM Identity: A Gender Study." *Science Education* 105, no. 6 (2021): 1126-1150.
43. Kitchen, Joseph A., Chen Chen, Gerhard Sonnert, and Philip Sadler. "The Impact of Participating in College-Run STEM Clubs and Programs on Students' STEM Career Aspirations." *Teachers College Record* 124, no. 2 (2022).
44. Fuchs, Travis T., Gerhard Sonnert, Sandra A. Scott, Philip M. Sadler, and Chen Chen. "Preparation and Motivation of High School Students Who Want to Become Science or Mathematics Teachers." *Journal of Science Teacher Education* 33, no. 1 (2022): 83-106.
45. Hazari, Zahra, Remy Dou, Gerhard Sonnert, and Philip M. Sadler. "Examining the Relationship Between Informal Science Experiences and Physics Identity Development: Unrealized Possibilities." *Physical Review Physics Education Research* 18, no. 1 (2022).
46. Birnbaum, Lisa, Gerhard Sonnert, Chen Chen, Philip M. Sadler, and Stephan Kröner. "Intervening Opportunities between Home and College: Students' Geographic Mobility by College Type." *Community College Journal of Research and Practice* 46 (2022): DOI:10.1080/10668926.2022.2064372.
47. Doyle, Jacqueline, Elyse Postlewaite, Philip M. Sadler, and Gerhard Sonnert. "Differences in Career Outcome Expectations of College Students by Race/Ethnicity and Gender." *Journal of Underrepresented and Minority Progress* 7, no. 1 (2023): 1-26.