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University Research Center Resources and Partnerships for Public and K-12 Outreach and Engagement\textsuperscript{1}
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Collaboration and partnerships are essential to successful outreach and engagement in science. Through working together across disciplines and institutions, we can take advantage of a broad range of skills and expertise to strengthen a project and its outcomes. Additionally, building upon outreach and engagement resources developed by others is equally important to efficiently increasing impact and reducing redundancy. Research centers based at universities and other institutions of higher education commonly serve as both partners and resources for those active in education and outreach. This talk will share successful examples of public and K-12 outreach and engagement efforts that partner with a research center and/or use resources developed by a research center. A thorough discussion of strategies and recommendations for fostering such collaborations, as well as a broad survey of partnership models that exist, will help those at all levels of outreach and engagement experience pursue their science education ideas and goals.

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