

Abstract Submitted
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Ultrasensitive Sensing through Nanophotonics¹ GARY SMITH,
AAPT — In the summer of 2010, I was a participant in a summer RET experience hosted by Boston University's Electrical and Computer Engineering department. As a part of my experience, I worked with Prof. Hatice Altug to develop classroom materials that would introduce high school students to the promise of nano-scale science, while providing them with some essential conceptual background in the subject. This summer, with NSF support, I hope to develop this background further by helping my cooperating professor refine novel techniques her group has developed in constructing nanoplasmonic antenna arrays through lithographic techniques. I currently work as a physics teacher and science department head for a Massachusetts Catholic high school.

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