BACKGROUND
Since 1967, Northeastern University’s Marine Science Center (MSC) has generated outstanding teaching and research in the marine sciences. The MSC’s Outreach Program reached almost 10,000 people in 2016 through various programs and events, and has traditionally focused on serving youth and the local community in eastern Massachusetts. The Genomics Project will engage girls from low-income school districts in a campus-based experience to learn basics about the field and study of genomics.

INTERNSHIP DESCRIPTION
The Educator Intern will work with Dr. Katie Lotterhos, whose research focuses on the genetic basis of adaptation and has particular interest in understanding how marine organisms are adapting to climate change and other human impacts on natural systems. The Intern will learn from research scientists about their work, and will plan and implement ways to teach basic genomic content to high school students – both to students taking part in a one-day program at the MSC, as well as back in their own classroom.

The project will have two phases:
- Phase One (5 days, summer 2017) will involve approximately 16 hours of lab-based work at the Marine Science Center learning about genomics, working with a team to outline content for a winter workshop for Grade 7-12 girls, and writing lesson plans for that workshop.
- Phase Two (3 days, winter 2018) will involve approximately 24 hours of workshop preparation, delivery, and reflection/feedback on the experience.

QUALIFICATIONS
- Masters degree in biology, biochemistry, environmental science, science education, or related field
- Eight to ten years of experience as a classroom educator, preferably with experience teaching advanced content

TERM AND COMPENSATION
The internship pays a stipend of $1,600 and is expected to have a duration of 40 hours.

CONTACT INFORMATION
Apply ASAP! The position will be open until filled. Please send a letter of interest, resume, and contact info for two references to:

Katie Lotterhos, Assistant Professor
Northeastern University Marine Science Center, 430 Nahant Road, Nahant, MA 01908
email: k.lotterhos@northeastern.edu; fax: 781-581-6076

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