

## STEM FOR ALL

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### **Academy for Emerging Scholars: Extending STEM Education to Underserved High Schools in North Carolina**

This presentation will outline our outreach activities to Tier 1 and 2 high schools in North Carolina through a Student STEM Enrichment Program (Burroughs-Wellcome Fund Grant). We have developed hands-on activities for use in high schools, on-campus workshops and a five-day residential camp for underserved high school students (all activities are 100 percent grant-funded). These activities in pharmaceutical sciences, clinical research, biotechnology, engineering and nursing are designed to inspire and educate students on STEM careers. Examples of activities include rocket building and launching, microbial growth in bioreactors, agar art, nursing SIM labs with a life-like AI patient and microbial identification and testing.

#### **Presentation Target:**

Higher Education

#### **Presenter(s):**

1. Tim Marks, Assistant Professor, Campbell University
2. Vanessa Ayer-Miller, Assistant Professor, Campbell University
3. Charles Carter, Chair and Associate Professor, Campbell University