This cluster explores why and how racism is considered a public health crisis in the US. It also teaches foundational concepts needed to build critical thinking skills for understanding and rectifying structural racism. Topics include explorations into the historical formations of race, as well as the role of science, medicine, and health. It also contains case studies of various health disparities.

LabXchange is committed to creating equitable opportunities for success in science. In this project, we will create content that supports educators and guides learners. This new content will show how to apply critical thinking skills to identify and transform structures that sustain racial inequity in healthcare, education, and STEM fields in the US.
Across STEM fields, the legacy of racism can be seen in the disproportionate underrepresentation of racialized groups such as Black Americans. To increase diversity in science and diverse leadership in science, science teachers must be equipped with inclusive teaching strategies. This cluster contains evidence-based practices to help educators increase Black students’ sense of belonging, identity, and success in science.

LEARNING PATHWAYS:

- How Racism Informs the Image of the Ideal Scientist
- How to Create an Anticolonial Curriculum
- How to Support Black STEM Students Through College
- How to Encourage Science Identity and Self-Efficacy in Students
- Culturally Relevant Teaching
- Stereotype Threat, Microaggressions and Systemic Bias in the Classroom
- How to Support Diversity and Representation in the STEM Community
- Allyship in the Classroom and Inclusive Teaching Practices
- How to Create a Classroom to Cultivate a Student’s Growth Mindset
Dr. Julia F. Hastings  
University at Albany

Dr. Jamiella Brooks  
University of Pennsylvania

Dr. Bita Amani  
University of Medicine and Science

Dr. Robert T. Palmer  
Howard University

Dr. Frinny Polanco Walters  
Harvard Medical School

Dr. Ivory A. Toldson  
Howard University

Dr. Joseph L. Graves, Jr.  
North Carolina Agricultural and Technical State University

EQUITY.LABXCHANGE.ORG