

HIGH SCHOOL STEM PROGRAM

EXPERIENCE
SCIENCE UNSHACKLED
JUNE 20 – JULY 29

Are you looking for a different kind of summer experience? Or maybe you're wondering if science has a place in your future? We invite you to explore new and uncharted solutions to some of healthcare's biggest challenges, like heart disease, Alzheimer's disease and mental illness at Huntington Medical Research Institutes' High School STEM Summer Program in 2022. This 6-week program is open to rising juniors and seniors in Pasadena Unified School District. Students accepted into the program have opportunities to learn and perform hands-on experiments alongside HMRI's accomplished scientists, and they also receive a paid stipend. To apply, complete the online application and teacher recommendation forms by March 7, 2022 at: hmri.org/education

Scan to find out more about
our educational programs.

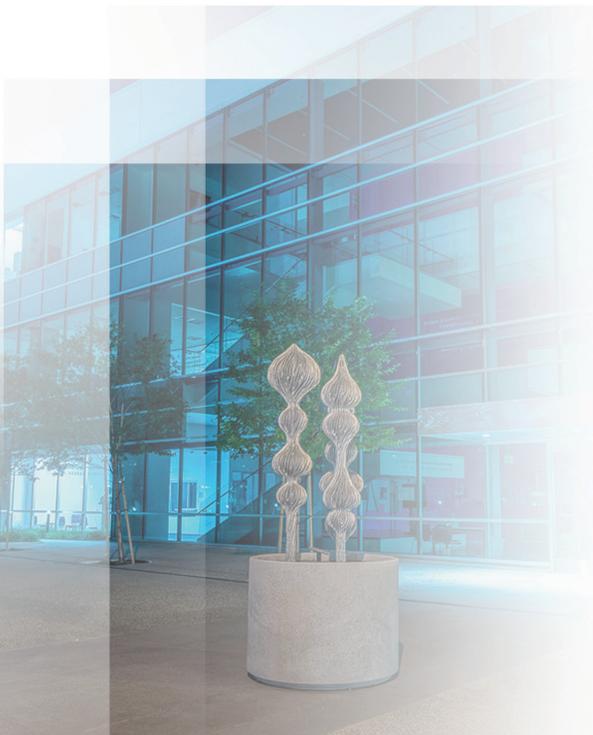


"We are opening doors to a world of science and technology that many students never knew existed, ultimately sharing a path forward for future scientists and researchers who will have incredible impacts on our world one day."

NICOLE PURCELL, PHD
CARDIOVASCULAR ASSOCIATE
PROFESSOR & DIRECTOR OF
HIGH SCHOOL STEM PROGRAM

Summer Weekly Overview

Week 1: June 20th - June 24th	Research Methods & Instrumentation
Week 2: June 27th - July 1st	Anatomy (Brain, Heart, Lungs)
Week 3: July 5th - 8th (4 day week)	Pathology & Radiology
Week 4: July 11th - 15th	Genetics
Week 5: July 18th - 22nd	Environmental Science
Week 6: July 25th - July 29th	Research Projects and Symposiums



2021 RECAP

HIGH SCHOOL STEM PROGRAM

Excitement abounds as HMRI researchers and teachers inspired the next generation of biomedical scientists from diverse socioeconomic and ethnic/cultural backgrounds in our first formal High School Summer STEM Program in 2021. Eight Pasadena Unified School District students participated in our six-week biomedical research program. While much of the program was virtual due to the pandemic, students did have multiple opportunities to visit HMRI for onsite-labs held in a COVID-safe environment.

Every student received a complete science kit, including a Chromebook, pipettes, endoscopes, digital microscope, pathology slides, and "Squishy Human Body" laboratory training tool. Participants explored different topics each week, complete with hands-on lab activities and guidance from our passionate, accomplished STEM instructor and researchers,



along with guest presentations from HMRI scientists and physician speakers. Students further explored future science and technology career possibilities through a Q&A researchers' panel and mentorship from undergraduate students in the pre-health and/or pre-med track. The program culminated with student presentations on what they learned and most enjoyed. We have already begun the planning for 2022 and look forward to working with more Pasadena students!

