



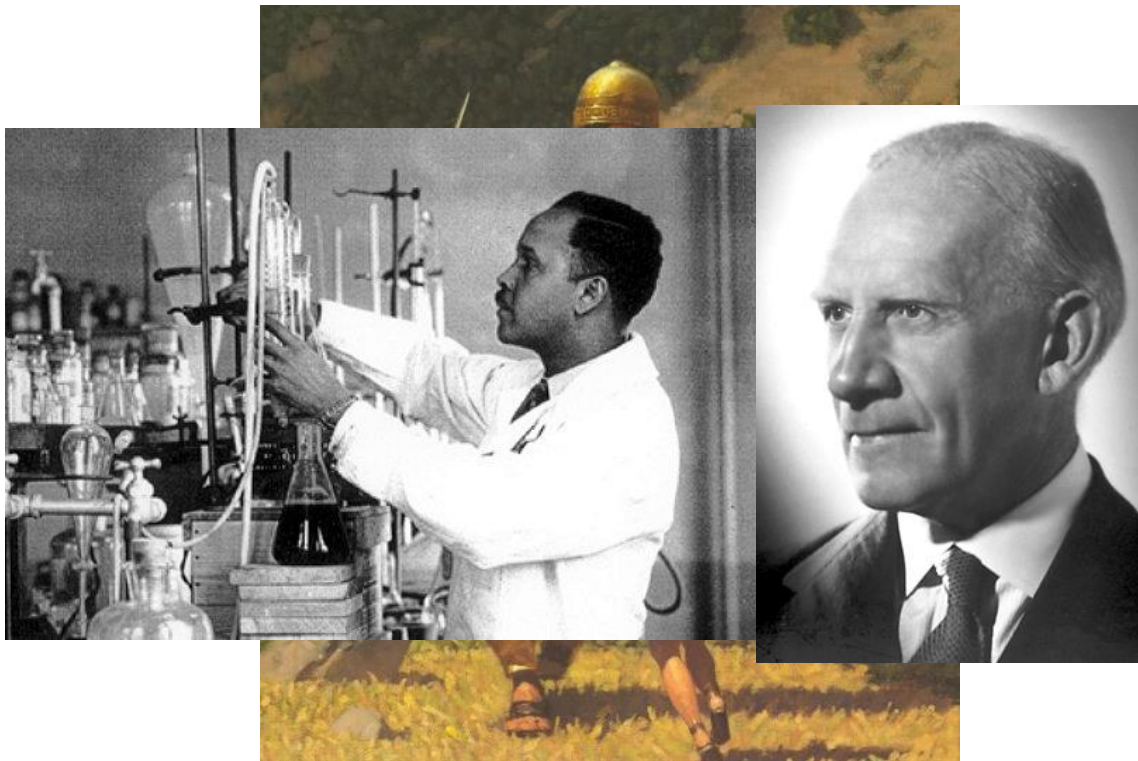
# Percy Julian and the Rise in Inclusive Pedagogy in the Department of Chemistry and Biochemistry

Jeff Hansen, Ph.D., Professor of Chemistry and Biochemistry

Jacqueline Roberts, Ph.D., Professor of Chemistry and Biochemistry

Richard Martoglio, Ph.D., Associate Professor of Chemistry and  
Biochemistry

# Julian vs. Robinson



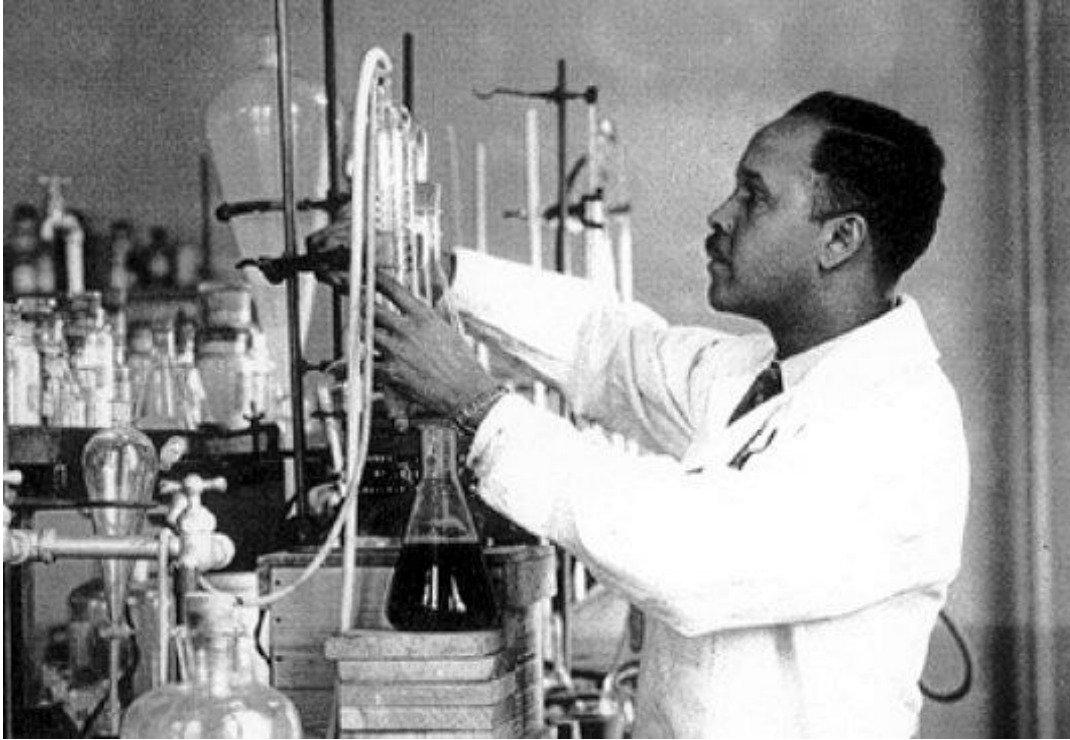
# Sir Robert Robinson “The Giant”



## Dr. Percy Julian “Our Hero”



# Julian takes on Robinson



<http://blackinventor.com/percy-julian/> and Bryan Hanson "The Calabar Bean: Percy Julian & the Synthesis of Physostigmine

An Interesting Twist on African Ethnobotany in the Americas.

# Introducing DePauw Students to Percy Julian





# Process for more Inclusive Research



**CHEMISTRY & BIOCHEMISTRY RESEARCH PRESENTATIONS**

**Interested in Doing Research in the Chemistry/Biochemistry Department?**

You are invited to a series of seminars to hear brief introductions to our research projects

**Tuesday, February 18, 11:30 am - Julian AUD**

Jeff Hansen - Epoxide reactions  
David Harvey  
Developing visualizations to facilitate active-learning  
Selma Poturovic  
Educational research opportunities  
Jackie Roberts  
Evaluating our spaces for inclusivity (Sp 2021 only)  
Dave Roberts & Jeff Hansen - Building scientific equipment

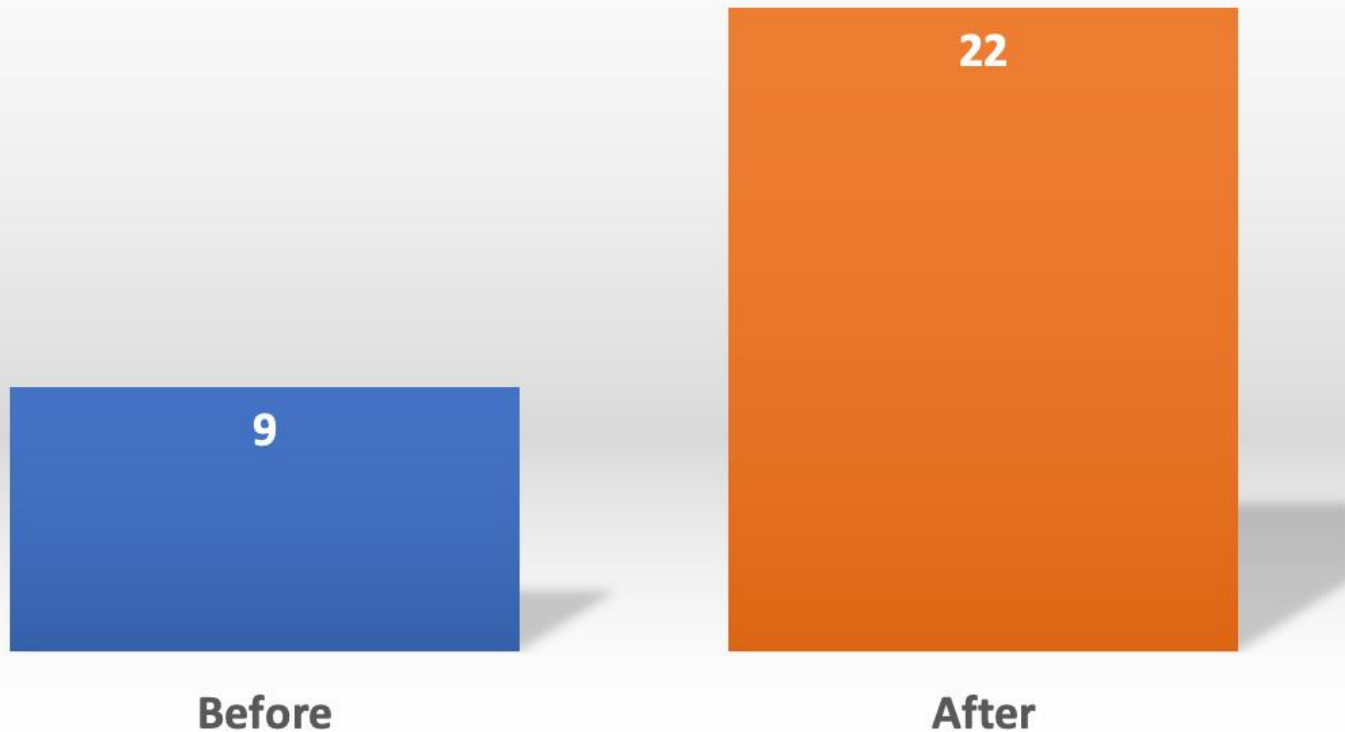
**Thursday, February 20, 11:30 am - Julian AUD**

Sharon Crary  
RNA-protein interactions &  
Using carbonic anhydrase as a lead detector  
Bridget Gourley  
Osmolyte impact on surfactant bound water nanodroplets  
Dan Gurnon  
Characterizing rare genetic variants  
Richard Martoglio  
Using HPLC for the Analysis of Suspected Fake Drugs  
Pizza lunch provided for the research presentations!

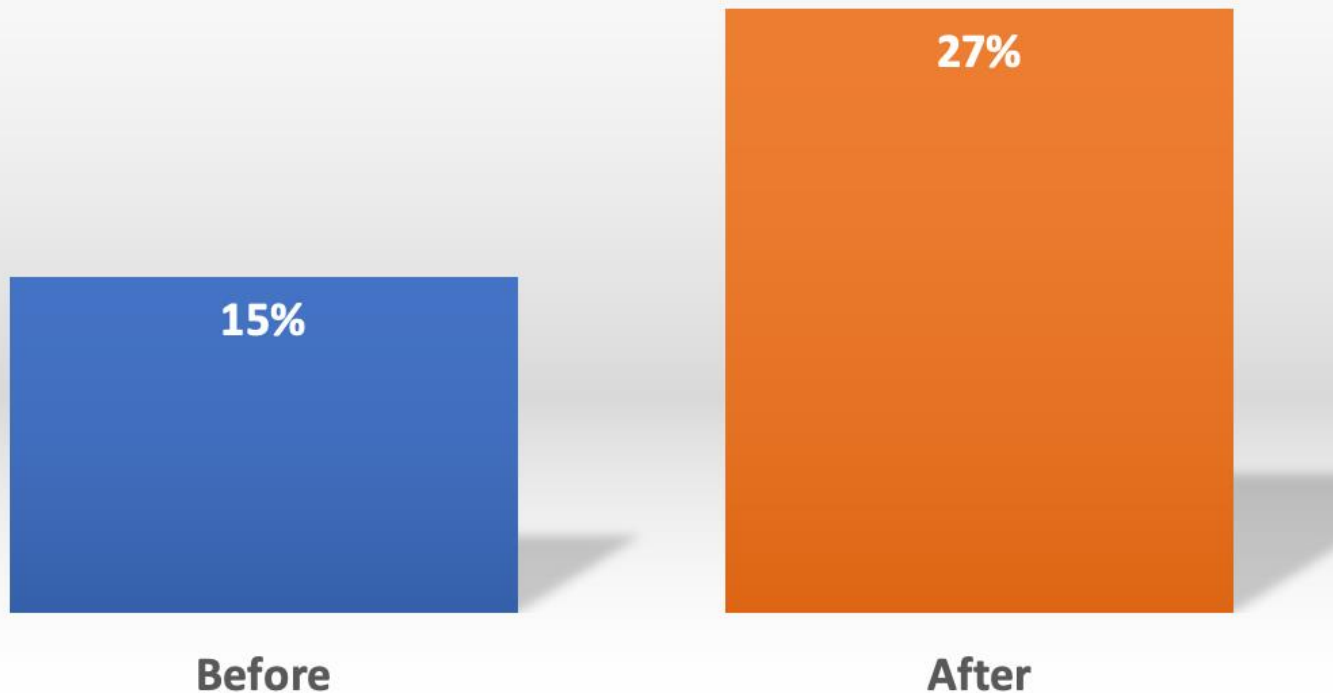




## Number of Domestic Students of Color Participating in Research in Chemistry/Biochemistry



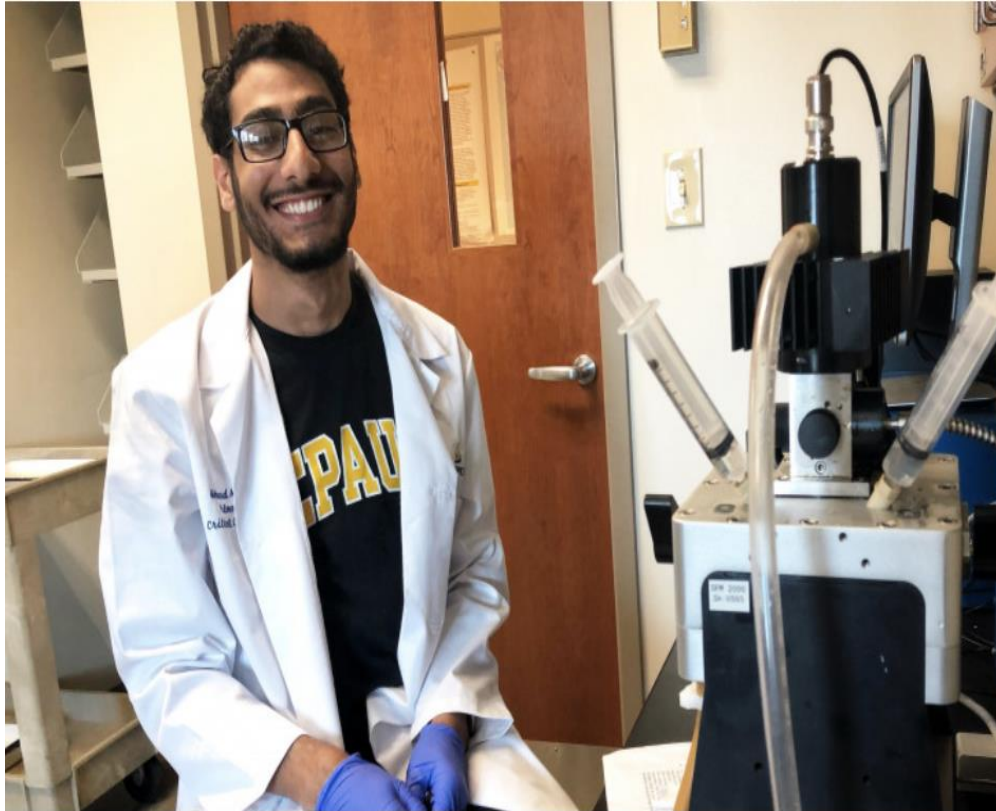
## Percentage of Research Students in Chemistry/Biochemistry who are Domestic Students of Color



# Video/Quotes



# Video/Quotes



Mahmoud Abouelkheir graduated from DePauw in December 2020 and is currently a first year PhD student at Johns Hopkins University as a part of their Chemical Biology Interface program. He says:

I believe my research experiences at DePauw have greatly prepared me for my graduate program and in considering a research career in the natural sciences. As an undergraduate I had significant support from many of my professors and got to work closely with them. With their mentorship, I had access to opportunities to be involved in multiple research internships, conferences, and networks at other institutions and got a thorough training for what doing academic research would be like. DePauw has empowered me with the skills I need to feel confident pursuing a research career in chemical biology.

# Video/Quotes

Kyra Martin graduated from DePauw in May 2020 and is currently a first year DMD/PhD student at the University of Florida. She says:

“From the guidance and help of my professors in the biochemistry department, I was accepted into a Research Experience for Undergraduates (REU) program funded by the NSF at Tufts University where I studied DNA damage in house sparrow birds. After graduation, I participated in a Post-baccalaureate Research Education Program (PREP) funded by the NIH that guided students from marginalized communities through the process of applying to graduate school while allowing them to continue to do research for an entire year at the University of Michigan. All of these experiences would have never happened if it wasn't for the foundation and the research opportunities I had at DePauw. I now find myself in a DMD/PhD dual degree program at the University of Florida, and I am extremely grateful to have had these opportunities that have led me to pursue both of my passions in dentistry as well as research.”



# Current and Future Activities

