

ASPIRE



A researcher newsletter of the Aspiring Scholars Directed Research Program

August 29, 2022

Issue #5



As the summer comes to an end, we would like to extend a big thank you to all researchers for their amazing research and hard work at ASDRP. We also thank the parents for their support, the hours spent in transportation, and for making your student's research possible. Thank you to all advisors, lab managers, faculty and staff for your continued dedication and work at ASDRP.

We look forward to the fall, welcoming back our continuing researchers, and welcoming in our new researchers!



[Summer 2022 Virtual Blitz Talks](#) are available on YouTube!

Faculty Spotlight: *Biological, Human, and Life Sciences*

Michael Amadi

Michael is an experienced life scientist with several years of industry experience in biotechnology, biochemistry, and synthetic biology. He is the founder of Jikoro Sciences, Inc. and has led several successful projects that bridge the modern world of life sciences with solving society's most challenging problems.



Faculty Spotlight: *Chemistry, Biochemistry, and Physics*

Gayathri Renganathan

Gayathri is an experienced medicinal biochemist interested in pushing forwards the frontiers of molecular medicine. She received her M.Pharm in Pharmaceutical Analysis from Anna University and has several years of experience as a lecturer, and in quality control and in inorganic/analytical biochemistry. The Renganathan research group applies small molecule phytochemistry in a robust drug discovery platform toward understanding the molecular mechanisms of human disease. Additionally, the group uses a variety of biophysical computational tools to understand the interaction of small molecules with their protein targets.



Faculty Spotlight: *Computer Science and Engineering*

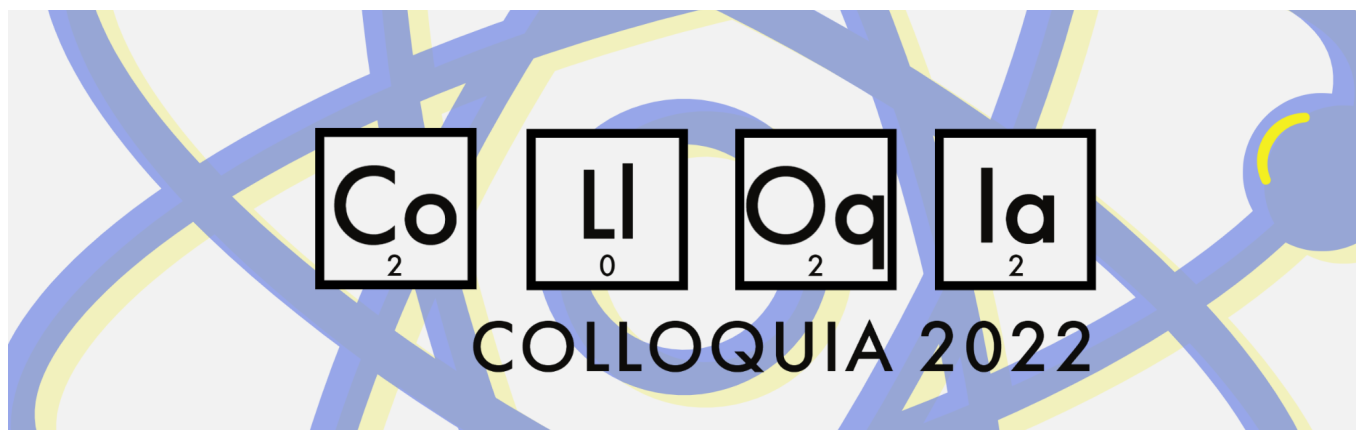
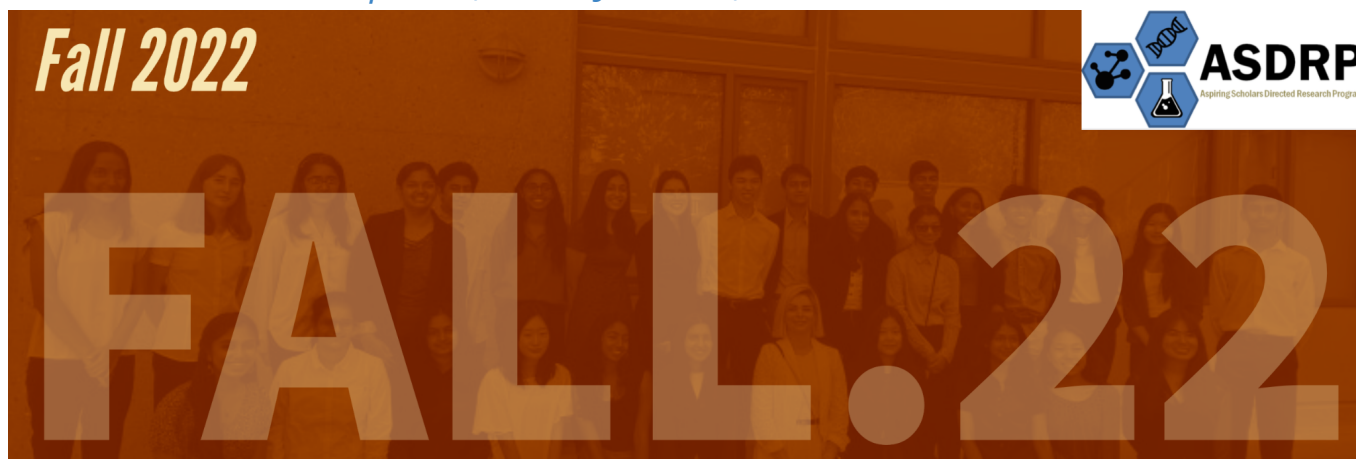
Joseph Laurienzo

Joseph is an ambitious interdisciplinary scientist specializing in latent pattern recognition and simulation of physical and biological systems. Joseph received his BS in math and physics and MS in applied math from Case Western Reserve University, along with a BA in Japanese, and has collaborated with the University of Tokyo in condensed matter physics. Joseph's research interests include the application of novel mathematical techniques in the assessment of brain activity patterns and constructing cognitive and phenomenological models, as well as game theory. Joseph's personal interests include world literature, Jiu Jitsu, and competitive Esports.



Fall 2022 Announcements

Fall 2022 Semester: Sep 15th, 2022-Jan 15th, 2022



Colloquia, held each Tuesday, will begin for the Fall semester on Sept 13th from 7-8:30 pm

11:00AM - NOON

**Saturday
Seminars**

Saturday
Sept 17
Oct 15
Nov 19
Dec 17

**ASDRP in
Action!**



Fall 2022 Saturday Seminars begin on Sept 17th and will be held Oct 15, Nov 19, Dec 17th. We will be covering topics:

- How to Write a Research Paper
- How to do a Literature Review
- Data Security
- Industry Guest Speakers!

9:00 - 10:00 AM



SATURDAY,
SEPTEMBER
24TH, 2022

PARENT COFFEE / MEET & GREET

46307 WARM SPRINGS BLVD, FREMONT, CA

JOIN US FOR OUR SEPTEMBER 2022 PARENT SOCIAL



ASDRP RESEARCHER INTERVIEW SERIES FALL 2022

The ASDRP Researcher Interview Series is back again for Fall 2022!

Throughout the fall, we will be conducting interviews with researchers to capture what their experience has been like at ASDRP. They will be short and focus on broad topics like getting to know them, what they have been researching, and what it means to be a researcher. The interviews will be via Zoom and posted to YouTube. More details will be announced via email.

Researchers can begin to sign up [here](#).



ASDRP Attends American Chemical Society National Meeting in Chicago

Researchers from the Njoo group presented their research at the Fall 2022 National Meeting of the American Chemical Society

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