

StEM Summer Bridge Program Getting Hands on Research

(NSF: CISE-MSI: Award #2131052)

National Science Foundation

Venue: NAB 0109 Tuesday, June 21st – Friday, June 24th (10:00 AM – 2:00 PM)

Faculty







Solomon Chak,

Biological

Sciences

Christos Noutsos, **Biological** Sciences



Renu Balyan, Math/CIS

Kinning Poon, **Biological** Sciences



Mohamed Khalefa, Shebuti Rayana, Math/CIS Math/CIS

Program Details

Analyzing high-throughput data (Using R and Python)

- Familiarity with the R/Python environment
- Data retrieval, reading & 2. writing processes
- 3. Data preprocessing (cleaning, normalizing etc.)
- 4. Data exploratory analysis including bioinformatics analyses and other domains
- 5. Data modeling
- 6. Model evaluation and visualization.

Apply: Students apply <u>here</u> (Due Date: May, 31, 2022)



Schedule:

10:00 AM: Session-1 12:00 PM: Break (coffee & snacks) 12:30 PM: Session-2

> Contact: Renu Balyan (balyanr@oldwestbury.edu)