

# Rutgers Youth Enjoys Science Presents

## Cohort 2: Students



**Deanna Lescouffair** - Linden High School '23; Rutgers, the State University of New Jersey

**Mentor:** Wenwei Hu, PhD / Tracy Chang, PhD

- *To Monitor Colorectal Cancer Development Using p53 Transgenic Mice Models*

**Giselle Jean-Marie** - Princeton Day School '24

**Mentor:** Antonina Mitrofanova, PhD

- *Gene Set Enrichment Analysis (GSEA)*

**Melanie Spruill** - Piscataway High School '24

**Mentor:** Katie Devine, PhD, MPH

- *Usability of Managing Your Health (MYH 2.0) to help with the transition of childhood cancer survivors to self-management of their own healthcare*

**Pranavi Kondam** - McNair High School '23; University of Pennsylvania

**Mentor:** Wenwei Hu, PhD / Tracy Chang, PhD

- TBD



**Celine Duncan** - Rutgers, the State University of New Jersey

**Mentor:** Elisa V. Bandera, M.D., Ph.D. / Nur Zeinomar, PhD, MPH

- *Feasibility of Collecting Fecal Samples in a Cohort of Black and Hispanic Breast Cancer Survivors: A Pilot Study*

**Natalia Czepielewski** - Rutgers, the State University of New Jersey

**Mentor:** Sharon Manne, PhD, Neetu Singh, and Sara Frederick

- *The Empowered Survivor Trial*

**Serena Rawle** - Rutgers, the State University of New Jersey

**Mentor:** Bing Xia, Ph.D. / Yanying Huo, PhD

- *Determining the Role of RNF168 and RAD52 in BRCA1 and PALB2 Related Mammary Tumor Development*

**Chardege Exantus** - Bloomfield College of Montclair University

**Mentor:** Harini Sampath, PhD

- *Examining Lipidomic Counts With Anticipation of Stearoyl-CoA Desaturase (SCD) Inhibition in Renal Cancer Cells*



### Cohort 3: Students

## Rutgers Youth Enjoys Science Presents

**Alexander Velasco** - Rutgers, The State University of NJ

**Mentor:** Tinghan Zhao, PhD and Steven Zheng, PhD

- *Regulatory Mechanism of Oncogenic Chromatin Remodeling in Liver Cancer*



**Matthew Angeles** - Rutgers, The State University of NJ

**Mentor:** Shin-heng Chiou, PhD and QianQian Wang, Post Doctoral

- *Studying Kdm8 inactivation and restoration using the XTR allele design*



**Tia Hart** - Rutgers, The State University of NJ

**Mentor:** Moshmi Bhattacharya, PhD and Shams Shams, PhD

- *Evaluation of Kisspeptin on the Migration and Growth of Hepatic Stellate Cells and Hepatocellular Carcinoma Cells*



**Peter Ibrahim** - The Jersey City University

**Mentor:** Cristina Montagna, PhD / Nellie Agosta (graduated student)

- *The Influence of HPV+ Cancer on Genomic Stability and Human Nuclei*



**Ileana Gonzalez** - The College of New Jersey

**Mentor:** Carolyn Heckman, PhD and Anna Mitarotondo

- *Topics in Behavioral Skin Cancer Prevention*



**Shelsy Rodriguez** - Rutgers, The State University of NJ

**Mentor:** Shridar Ganesan, MD PhD and Rukia Henry, PhD Candidate

- *Validating a G9a/GLP knockout cell line to investigate its role in DNA Repair*



**Abdur-Rahman Oladoja** - Woodbridge High School

**Mentor:** Antonina Mitrofanova, Ph.D. / Michael Craig

- *Tissue-specific biological aging predicts progression in acute myeloid leukemia*



**Diego Sanabriga** - Linden High School

**Mentor:** Peter Cole, MD / Yongkyu Park, PhD

- *Does a polymorphism in the thymidylate synthase gene confer susceptibility to cancer chemotherapy induced cognitive deficits?*



**Adriana Morono** - Jose Marti STEM Academy, Union City

**Mentor:** Zhaomeng Niu, PhD

- *Understanding Barriers and Facilitators in Skin Cancer Prevention Among the Hispanic Community: A Qualitative Analysis*



**Jaina McKoy** - Union County Vocational Technical High School

**Mentor:** Bruce Haffty MD, MS, Gulam Rather, Ph.D, and Devora Schiff BS

- *Targeting Transcription Factor E2F1-3A in Lung Cancer*



**Ita O Braonain** - Linden High School

**Mentor:** Libutti Lab Ally Adams, PhD

- *Investigating a novel immunotherapy target by exploring the expression of immune checkpoints B7x and HHLA2 in cancer cell lines*



**Elizabeth Escobar Gomez** - New Brunswick Health Sciences Technology High School

**Mentor:** Advaita Madireddy, PhD, Mrunmai Nilijikar, Julia Gagliardi

- *Role of DNA Polymerase eta in DNA replication at Common Fragile Sites*

