Rutgers Youth Enjoys Science Presents

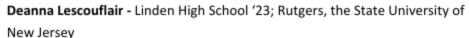
Cohort 2: Students











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

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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

Cancer Institute
of New Jersey
RUTGERS HEALTH

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: Advaitha Madireddy, PhD, Mrunmai Nilijikar, Julia Gagliardi

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