## Estigating the use of Sulforaphane in Pretreating elegans against MeHg Toxicity and the Potential Dependency of the Protection Mechanism on the daf-16 Pathway

(BMED - BMG) [Project ID 016]

(Lead - Certified) Chiang, Selina [User ID 019] 11th grade, Female, DOB: 01/06/2003, Regular Lunch, U.S. Citizen sechiasr21@herricksk12.org, 929-328-6891 39 Oakdale Rd, Roslyn Heights, NY 11577

(PROJECT 4 - Certified)

Optimizing the Adsorption Operating Conditions for Dual Functional Materials in Direct Capture of CO2 from Air

(EAEN - PLL) [Project ID 021]

(Lead - Certified) Pinzon, Kyle [User ID 026] 11th grade, Male, DOB: 03/20/2003, Regular Lunch, U.S. Citizen pinzonkyle@yahoo.com, 516-513-9912, secondary: 516-216-5273 110 Aster Drive, New Hyde Park, NY 11040

(PROJECT 5 - Certified)

Heparin-Conjugated Bioactive Glue for Regeneration of Lubricin-infiltrated Meniscus Tears by Recruitment of Stem/Progenitor Cells

(ENBM - BMR) [Project ID 123]

(Lead - Certified) Xiang, David [User ID 139] 11th grade, Male, DOB: 07/08/2003, Regular Lunch, U.S. Citizen daxiancs21@herricksk12.org, 516-688-5883 117 Norman Street, New Hyde Park, NY 11040

(PROJECT 6 - Certified)

Detection of Amyloid Plaques Targeted by USPIOs and ARIA Evaluation in a Non-Human Primate Model of Sporadic Cerebral Amyloid Angiopathy (CAA)

(ENBM - IMG) [Project ID 153]

(Lead - Certified) Leung, Jonathan Ka [User ID 180] 12th grade, Male, DOB: 06/06/2002, Regular Lunch, U.S. Citizen jonathanleung662@gmail.com, 917-855-5342, secondary: 917-770-1962 16 Hamilton Dr, Roslyn, NY 11576

(PROJECT 7 - Certified)

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LISEF Liaison - Registered Information - Printable Format ation of the Therapeautic Potential of Orlistat on a Mouse Model of Hereditary Hemorrhagic ctasia (HHT)

(BNED - OBM) [Project ID 154]

Lead - Certified) Back, Seunguk John [User ID 181] 12th grade, Male, DOB: 10/28/2002, Regular Lunch, U.S. Citizen ibaek102802@gmail.com, 516-672-3210 186 Cornwell Ave, Williston Park, NY 11596

(PROJECT 8 - Certified)

Simulating Nanoscale Imaging of Plasmonic Excitations and Cancer Cells under Near-field Nanoscopy

(MAPH - AMO) [Project ID 155]

(Lead - Certified) Chen, Derek [User ID 182] 12th grade, Male, DOB: 02/25/2002, Regular Lunch, U.S. Citizen derekchen02@gmail.com, 516-353-0927 10 Jeffrey Pl, New Hyde Park, NY 11040

(PROJECT 9 - Certified)

Therapeutic Epigenetic Reprogramming Using SETD8 Inhibition in Multiple Myeloma

(BMED - BMG) [Project ID 332]

(Lead - Certified) Gupta, Rohan [User ID 383] 12th grade, Male, DOB: 11/30/2002, Regular Lunch, U.S. Citizen rohan23@optonline.net, 516-286-5122, secondary: 516-294-8414 23 Dunhill Rd, New Hyde Park, NY 11040

(PROJECT 10 - Certified)

A Comparison of Machine Learning Methods in the Analysis of Lymphocyte Patterns in Cancer Research

(CBIO - OCB) [Project ID 396]

(Lead - Certified) Krishnamoorthy, Preethi [User ID 461] 11th grade, Female, DOB: 07/07/2003, Vegetarian Lunch, U.S. Citizen prkrissr21@herricksk12.org, 516-972-9455 16 Piper Drive, Albertson, NY 11507

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Renee Barcia

Email: r.barcia@gmail.com

Phone: 516-902-4536

Herricks High School (Public)

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Address: 100 Shelter Rock Road, New Hyde Park, NY 11040

Principal: Joan Keegan, jkeegan@herricks.org

Payments: Check, 516-305-8700

Invoices: Karen Hughes, 516-305-8717, khughes@herricks.org

100 Shelter Rock Road New Hyde Park, NY 11040

Local Fair: yes, , Grade(s)

(PROJECT 1 - Certified)

Determining the Kinetics of IRF4 and IRF5 in B- and T-Cell Activation

(CELL - CIM) [Project ID 010]

(Lead - Certified) Rasquinha, Rhea [User ID 012] 11th grade, Female, DOB: 06/19/2003, Regular Lunch, U.S. Citizen rdrasq@gmail.com, 917-680-8910, secondary: 917-545-4156

69 Hamilton Drive, Roslyn, NY 11576

(PROJECT 2 - Certified)

Alkyl Modifications of Silica Nanoparticles for Enhanced Delivery of Thiol-Based Drugs into Red Blood Cells

(TMED - TRE) [Project ID 014]

(Lead - Certified) Zhang, David [User ID 016] 11th grade, Male, DOB: 11/01/2003, Regular Lunch, U.S. Citizen zhangdavid919@gmail.com, 917-485-8928 253 Colonial Ave, Williston Park, NY 11596

(Partner - Certified) Yang, Justin [Partner ID 017] 11th grade, Male, DOB: 03/05/2003, Regular Lunch, U.S. Citizen justinyang305@gmail.com, 516-506-1650 15 Ruxton Street, New Hyde Park, NY 11040

(PROJECT 3 - Certified)