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News Release

Tenafly High School Science Research & Olympiad Groups Achieve Exceptionally Strong Competition Season

THS Senior, Elliott Yoon, will Represent at Prestigious Regeneron International Science and Engineering Fair For Second Year in a Row

Tenafly, NJ – April 24, 2024 – Tenafly High School's science research students have earned multiple medals across the competition circuit this year. Most recently, the Science Researcher's group have successfully competed at this year's Terra Northern Jersey Science Fair (TNJSF) where they earned the following Category Awards:



Bioinformatics and Computational Biology

First Place: Elliott J. Yoon (grade 12)

GenLSDD : A Deep Generative Approach to Ligand and Structure-based Drug Design

Cell Biology and Microbiology

First Place: Subin (Cindy) Pyo (grade 12)

Metabolic Program of Intestinal Stem Cell in Pediatric Development and Inflammatory Bowel Disease

Second Place: Justin Byun and Kavya Chettur (grade 11)

In vivo and Ex vivo Modeling of Down Syndrome Intestinal

Homeostasis

Third Place: Kailyn Cho (grade 11)

The Dose response of Etoposide a Clinically Accurate Model of ETMR

Engineering:

Second Place: Kai Song (grade 12)

Development of a Low-Cost Torus Omni-Directional Robot with Multi-Terrain Traversal and Ramp Climbing Capability

Biostatistics:

Third Place: Ananya Anchila (grade 9)

CholImpact of Intravenous Iron Repletion on Gut Microbiome in Iron-Deficient Blood Donors

Special Awards:

Association of Computing Machinery: Elliott. J Yoon (grade 12)

GenLSD : A Deep Generative Approach to Ligand and Structure-based Drug Design

Kean University IST Biotech Club Award: Pranav Suresh (grade 11)

Interactions of a colorectal cancer cell line with C.Albicans and their influence on the Complement-dependent regulation of anti-cancer immune response

ELLIOTT YOON, GRAND PRIZE WINNER:



For the second year in a row, Elliott J. Yoon, Tenafly High School senior, has been selected to represent his school and TNJSF at the Regeneron International Science and Engineering Fair (ISEF) in Los Angeles, California beginning May 11, 2024. His first place award at TNJSF - in the category of Bioinformatics and Computational Biology - earned him an all-expenses paid trip as he will compete with other Regeneron ISEF finalists for awards, prizes and scholarships.

Additionally, Subin (Cindy) Pyo, THS senior, was named a Regeneron Science Talent Research Scholar.

Ms. Aparna Subramaniam, THS science teacher and Science Olympiad Group coach noted, "This year's season has been incredibly special as our students earned first-time medals and placed fourth in the State at the Ivy League Science Olympiad Invationals and once again at TNJSF. Most importantly, these students and their science research teachers have worked hard, experienced new opportunities, and have supported each other along the way. I am so proud of our Science Research and Science Olympiad Groups, and wish our seniors well as they head off to college."

Regeneron ISEF 2024, the world's largest pre-college STEM competition, will take place from May 11-17 2024, at the National Convention Center. For more information, visit:

<https://www.societyforscience.org/isef/>

For more information on Tenafly Public Schools, visit <https://www.tenaflyschools.org>. Follow us on Facebook, Instagram & X/Twitter (@TenaflySchools).

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