

# SEFMD and MSEF Highlights 2020



**ISEF Finalists 2020:** Margaret Yang, Anirudh Cowlagi, Jakar Dhillon, Audrey Gunawan, Princess Ortiz, Alexander Wan, Adam Sun, Vivian Yee, Saaim Khan

## MSEF Grand Award Winners

**Saaim Khan** (Grade 11, Cranbrook Kingswood Upper School): "Identification of Novel Drug-like Compounds for Solute Carrier Anion Transport"

**Vivian Yee** (Grade 11, International Academy): "Evaluation of the Yes-associated Protein as a Target for Breast Cancer Therapy"

## SEFMD Senior Division Grand Award Winners

**Anirudh Cowlagi** (Grade 12, Huron H.S.): "An Efficient Approach to Minor Planet Recovery, Detection and Characterization". Anirudh was also the recipient of the American Committee for the Weizmann Institute of Science Award.

**Jakar Dhillon** (Grade 11, Bloomfield Hills H.S.): "Novel Application of Genetic Circuit Within Antimicrobial Engineered Probiotic"

**Audrey Gunawan** (Grade 11, West Bloomfield H.S.): "Analysis of the Nav1 VGSC Family to Develop a Treatment for Nociceptive Pain"

**Princess Ortiz** (Grade 10, Academy of the Americas H.S.): "Caffeine and Heart Rate"

**Adam Sun** (Grade 11, Detroit County Day Upper): "Diagnosis of Malaria with MixNet on a Raspberry Pi"

**Alexander Wan** (Grade 11, Novi Senior H.S.): "Using Environmental Context in Pedestrian Trajectory Prediction"

**Margaret Yang** (Grade 10, Cranbrook Kingswood Upper School): "Assemble Supramolecular Enzyme for Direct Conversion of Biomass to Ethanol"





### SEFMD Junior Division Grand Award Winners

**Drew Bylow** (Grade 8, St. Patrick Elementary, Carleton) "Non-Eternal Vernal Pools"

**Zain Dekelbab** (Grade 7, Hula School & Montessori) "Need some lemon for that burn?"

**Guadalupe Garcia** (Grade 6, Clippert Academy Middle School) "Hydroponics vs. Soil"

**Destiny Hardy** (Grade 6, Cooke Elementary School) "Does Rhizobium Leguminosarum Affect the Growth Rate of Pea Plants?"

**Prabhath Inturi** (Grade 7, Larson Middle School) "Vibrasoles"

**Taliaja Kirksey** (Grade 6, Nolan Elementary-Middle School) "The Environmental Impact of Polystyrene"

**Dayna Mathis** (Grade 8, Gompers Elementary-Middle School) "Orange Peels Helping Plants"

**Anita Gaenko with Akshar Colagi** (Grade 8 Team, Clague Middle School) "Not all that is yellow is turmeric"

