



ISEF Awards Received ISEF 2018

ISEF Category: Chemistry (CHEM029)

- Synthesis and Separation of Chiral Compounds in the Preparation of a PET Radiotracer Targeting Synaptic Vesicle Glycoprotein 2A

Maya Geradi, 18, Senior, Wilbur Cross High School, New Haven, CT

ISEF Special Awards:

American Chemical Society	Certificate of Honorable Mention
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ISEF Grand Awards:

Chemistry	Third Award of \$1,000
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ISEF Category: Materials Science (MATS014T)

- Effect of Experimental Parameters on Forming Prince Rupert's Drops for Maximum Strength and Toughness

Srikar Godilla, 16, Junior, CREC Academy of Aerospace and Engineering, Windsor, CT

Cristian Rodriguez, 16, Junior, CREC Academy of Aerospace and Engineering, Windsor, CT

ISEF Special Awards:

Society of Experimental Mechanics, Inc	First Award of \$2,500
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ISEF Grand Awards:

Materials Science	Fourth Award of \$500
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ISEF Category: Biomedical Engineering (ENBM022)

- Non-Invasive, Low-Cost Detection of Chronic Obstructive Pulmonary Disease (COPD) via Smartphone Breath Analysis

Hiba Hussain, 15, Sophomore, Greenwich High School, Greenwich, CT

ISEF Grand Awards:

Biomedical Engineering	Third Award of \$1,000
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ISEF Category: Environmental Engineering (ENEV026)

- Magnetically Induced, Visual Detection of Trace Arsenic Contaminants in Water Using Fe₃O₄ Photonic Crystal Structures

Raina Jain, 15, Sophomore, Greenwich High School, Greenwich, Connecticut

ISEF Special Awards:

Spectroscopy Society of Pittsburgh	Second Award of \$1,000
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ISEF Grand Awards:

Environmental Engineering	Intel ISEF Best of Category Award of \$5,000 First Award of \$3,000
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ISEF Category: Translational Medical Science (TMED020)

- Detection of Early-Stage Alzheimer's Disease via Hierarchical Classification of Proteomic and Clinical Profiles

Shobhita Sundaram, 17, Senior, Greenwich High School, Greenwich, CT

ISEF Special Awards:

King Abdul-Aziz & his
Companions Foundation for
Giftedness and Creativity

Award of \$1,000 for research in Medicine

ISEF Grand Awards:

Translational Medical Science

Third Award of \$1,000

ISEF Category: Engineering Mechanics (ENMC033)

- Undulated Leading-Edge Airfoils in Low to Medium Reynolds Number Regime

Keshav Vedula, 17 Senior, CREC Academy of Aerospace and Engineering, Windsor, CT

ISEF Special Awards:

American Institute of Aeronautics
& Astronautics

Third Award of \$1,000

ISEF Grand Awards:

Engineering Mechanics

Third Award of \$1,000