



ISEF Awards Received ISEF 2016

ISEF Category: Biomedical and Health Sciences (BMED053)

- CRISPR Based Gene Editing Confers Resistance to Human Immunodeficiency Virus (HIV)
Aakshi Agarwal, 17, Junior, Hamden High School, Hamden, Connecticut

ISEF Grand Awards:

Category: Biomedical and Health Sciences	3rd Place - \$1,000 cash award
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ISEF Category: Cellular and Molecular Biology (CELL028)

- The Optimization of Nanoparticle-Based Drug Delivery of Melittin in a Colloidal Suspension as a Selective Method to Target HIV Structural Antigen p24
Sanjeev-Kumar Mamalapuram Sathish, 16, Junior, Greenwich High School, Greenwich, Connecticut

ISEF Grand Awards:

Category – Cellular and Molecular Biology	1st Place - \$3,000 cash award
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ISEF Category: Energy: Chemical (EGCH027)

- Novel Glycerol-Free Biodiesel Production Using Enzyme Catalysis
Martha Haddad, 16, Junior, Immaculate High School, Danbury, Connecticut

ISEF Grand Awards:

Category: Energy: Chemical	3rd Place - \$1,000 cash award
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ISEF Category: Biomedical Engineering (ENBM032)

- Development of a Portable, Tattoo-Based Biosensor for the Non-Invasive, Low-Cost Diagnosis of Atherosclerosis via Iontophoresis of Macrophage-Targeting Silver Nanoparticles
William Yin, 16, Junior, Greenwich High School, Greenwich, Connecticut

ISEF Grand Awards:

Category: Biomedical Engineering	2nd Place - \$1,500 cash award
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ISEF Category: Biomedical Engineering (ENBM048)

- Polyetherketoneketone (PEKK), 3D Printed, Bipartite Surgical Implant: An Alternative and Supportive Cure for Internal Coxa Saltans in Female Adolescents
Sophie Elizabeth Edelstein, 15, Freshman, Wilbur Cross High School, New Haven, Connecticut

ISEF Grand Awards:

Category: Biomedical Engineering	4th Place - \$500 cash award
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