



## ISEF Awards Received ISEF 2015

*ISEF Category: Biomedical and Health Sciences (BMED0551)*

**- Temperature-Independent, Portable, and Rapid Field Detection of Ebola via a Silk-Derived Lateral-Flow System**

**Olivia Anne Hallisey**, 16, Sophomore, Greenwich High School, Greenwich, Connecticut

**ISEF Special Awards:**

ASU Rob and Melani Walton Sustainability Solutions Initiatives	<b>First Award</b> of \$2,500
National Aeronautics and Space Administration	<b>Third Award</b> of \$1,000

**ISEF Grand Awards:**

Category: Biomedical and Health Sciences	<b>1<sup>st</sup> Award</b> - \$3,000 cash award
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*ISEF Category: Energy: Physical (EGPH0221)*

**- Development of Non-toxic Photostabilized Phycoerythrin for Application in Dye-Sensitized Solar Cells**

**Eunsun Hong**, 17, Senior, Bridgeport Regional Aquaculture Science and Technology Education Center, Bridgeport, Connecticut

**ISEF Grand Awards:**

Category - Energy: Physical	<b>4th Place</b> - \$500 cash award
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*ISEF Category: Energy: Physical (EGPH0231)*

**- Novel Low Grade Waste Heat Recovery System with Simultaneous Electricity Generation, Carbon Sequestration and Urea Production**

**Ethan Novek**, 16, Sophomore, Greenwich High School, Greenwich, Connecticut

**ISEF Special Awards:**

ASU Rob and Melani Walton Sustainability Solutions Initiatives	<b>First Award</b> of \$2,500
Carnegie Mellon University Leonard Gelfand Center for Service Learning and Outreach	<b>First Award</b> of \$2,500
Ricoh Sustainable Development Award	<b>Award</b> of \$12,500

**ISEF Grand Awards:**

Category – Energy: Physical	<b>1<sup>st</sup> Award</b> - \$3,000 cash award
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*ISEF Category: Biomedical and Health Sciences (BMED054I)*  
**- Chocolate's Theobromine, and Not Caffeine, Significantly Reduces Sleep in Drosophila**  
**Reid W. Radulovacki**, 16, Junior, Greenwich High School, Greenwich, Connecticut

**ISEF Special Awards:**

University of the Sciences in Philadelphia	<b>Tuition Scholarship</b> of \$15,000 per year for four years
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**ISEF Grand Awards:**

Category: Biomedical and Health Sciences	<b>2<sup>nd</sup> Place</b> - \$1,500 cash award
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*ISEF Category: Material Sciences (MATS050I)*  
**- Hybridized Manganese Dioxide & Gold-Iron Oxide Nanoparticle Inhibition of Tumor Growth via Radiosensitization and Tumor Microenvironment Control**  
**William Yin**, 15, Sophomore, Greenwich High School, Greenwich, Connecticut

**ISEF Grand Awards:**

Category – Material Sciences	<b>2<sup>nd</sup> Place</b> - \$1,500 cash award
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