

Twin Cities Student Awards at Other Competitions for 2009

Stephen Trusheim, Breck School, 12th grade, age 18, Chaska, MN, Medicine & Health project & paper entitled: "Engineering and Validating Predictive Infection Surveillance Strategies for Methicillin-resistant Staphylococcus aureus"

North Central Regional JSHS 1st Place

ISEF Finalist 2009 1st Grand Award (\$3000) in Medicine & Health

\$8000 Navy & Marine Scholarship awarded at ISEF

2nd Place Patent & Trademark Office Society award at ISEF (\$200)

Finalist in national Intel Science Talent Search (top 40 in nation, trip to Washington DC)

Minnesota Scholar of Distinction in Science

Minnesota Scholar of Distinction in Mathematics

2008 ISEF Team Finalist with Daniel Mokhtari as partner: with an Engineering project & paper entitled: Engineering a Program to Digitally Analyze Genetic Tests for HPV

Tiffanie Stone, AFSA High School (Agriculture & Food Science Academy HS), 11th grade, age 17, Arden Hills, MN, Plant Sciences project entitled: "How Smart Is The Common Bean: Assessing Bean Plant Ability To Differentiate Between A Moderate Nitrogen Fixer And An Ideal Nitrogen Fixer"

ISEF Finalist 2009

Borlaug-Ruan International Internship 2009: Working/research with Hybrid Rice in Hunan China during summer 2009

Prithwis Mukhopadhyay, Woodbury Senior HS, 10th grade, age 15, Woodbury, MN, Medicine & Health project entitled: "A Common Food Additive Induces Cell Migration and Neoplastic Phenotype of Mammary Epithelial Cells by Reducing Arylsulfatase B Activity"

3M Foundation award at TCRSF

ISEF Finalist 2009 & 2008

\$10,000 Davidson Fellowship Scholarship

Minnesota Scholar of Distinction in Science

Minnesota Scholar of Distinction in Mathematics

Martin Camacho, St. Paul Central HS, 11th grade, age 13, St. Paul, MN, Mathematics project & paper entitled: Sequences of Reducible 0,1 Polynomials

ISEF Finalist 2009 3rd Grand Award (\$1000) in Mathematics

Honorable Mention Karl Menger Award of Excellence, American Mathematical Society

Minnesota Scholar of Distinction in Mathematics

Chee Xiong, St. Paul Como Park Senior HS, 12th grade, age 18, St. Paul, MN, Behavioral & Social project & paper entitled: Crazy Texting While Driving

ISEF Finalist 2009 special award:

Illinois Institute of Technology (IIT) Institute of Psychology renewable scholarship, \$15,000/yr

Michael Fuad, Breck School, 12th grade, age 17, Eden Prairie, MN, Environmental Analysis project & paper entitled: "Harvesting microalgae (Chlamydomonas reinhardtii) for biofuel production using wastewater treatment techniques"

ISEF Finalist 2009

ISWEEP special award: plaque from The University of Texas at Dallas

ISWEEEP bronze medal & \$500

Minnesota Scholar of Distinction in Science

Team of **Sierra Danforth**, Breck School, grade 12, age 17, Plymouth, MN & **Sahar Hakim-Hashemi**, Breck School, grade 12, age 17, Plymouth, MN, Environmental Analysis Team project & Team paper entitled: Host-Range Study To Determine The Potential Of Lysiphlebus Orientalis As A Biological Control Agent For Exotic Invasive Soybean Aphids (Aphis Glycines)

ISEF Team Finalist 2009

Minnesota Scholar of Distinction in Science (both Sierra & Sahar)

North Central Regional JSHS 4th Place

Team of **Nicholas NaSal**, Burnsville HS, grade 12, age 18, Burnsville, MN & **Joseph Lane**, Burnsville HS, grade 12, age 17, Burnsville, MN, Engineering: Electrical & Mechanical Team project & Team paper entitled: It's Getting H.A.W.T. in Here: An Analysis of the Efficiency of Various Airfoil Designs on a Horizontal Axis Wind Turbine

ISEF Team Finalist 2009

Xin Li, Breck School, grade 12, age 18, St. Paul, MN, Plant Sciences project & paper entitled: Verification and characterization of sugar-response Arabidopsis mutant gte4 for higher biofuel and soy protein production

ISWEEEP Senior High Grand Award in Environmental category

ISWEEEP gold medal & \$1000

Minnesota Scholar of Distinction in Science

Michael Cherkassky, Edina Senior HS, grade 12, age 17, Edina, MN, Computer Sciences project & paper entitled: Biomedical Ontology Engineering via Information Theory

Finalist in national Intel Science Talent Search (top 40 in nation, trip to Washington DC)

North Central Regional JSHS 3rd Place

\$25,000 2008 Davidson Fellowship Scholarship (based on last year's project)

ISWEEEP \$250 cash from Louisiana State

ISWEEEP trophy from ASME International Petroleum Technology Institute

ISEF Finalist 2008 from Minnesota State Science & Engineering Fair with project & paper entitled Application of Machine Learning Methods to Medical Diagnosis

ISEF 2008 American Statistical Association 2nd place & \$500

Elaina Hamann, St. Anthony Village Senior HS, grade 10, age 15, Columbia Heights, MN, Engineering: Materials & Bioengineering project entitled: Can Algae Be Converted Into Biodiesel?

ISEF Finalist from Minnesota State Science & Engineering Fair

ISWEEEP bronze medal & \$500

Michael Crump, Breck School, grade 12, age 18. Eden Prairie, MN, Engineering: Materials & Bioengineering project & paper entitled: Engineering thin-layer organic solar cells using a novel tri-layer architecture

North Central Regional JSHS 5th Place

National JSHS 2nd place (\$6000 scholarship & alternate to London International Youth Science Forum)

ISWEEEP bronze medal & \$500

Minnesota Scholar of Distinction in Science

Travis Spangler, Breck School, grade 12, age 18, Golden Valley, MN, Medicine & Health project & paper entitled: Effectiveness of Bispecific Cytotoxin (DTEGFATF) in Ameliorating Human Glioblastoma Tumors

North Central Regional JSHS 2nd Place

Minnesota Scholar of Distinction in Science

Anushua Bhattacharya, Lake Junior High (Woodbury), grade 9, age 14, Woodbury, MN, Engineering: Materials & Bioengineering project & paper entitled: Smart Fluids: From Automotives to Healthcare
ISWEEEP gold medal & \$1000
North Central Regional JSHS: Student named for Outstanding Achievement
Minnesota Scholar of Distinction in Science

Emily Nimmer, Breck School, grade 12, age 17, Golden Valley, MN, Environmental Analysis project & paper entitled: Monarch Butterflies (*Danaus plexippus*) as Bioindicators of Global Climate Change
ISWEEEP silver medal & \$750
North Central Regional JSHS: 1st place chosen to advance to the American Jr Academy of Science
Minnesota Scholar of Distinction in Science
ISEF Finalist 2008 from Minnesota State Science & Engineering Fair with project & paper entitled Studying Effects of Natural Enemies on Survival of Monarch Butterfly Larvae (*Danaus plexippus*) to Aid in Monarch Conservation
ISEF 2008 American Veterinary Medical Association 1st place & \$1000

Sharmila Ahmed, Burnsville Senior HS, grade 10, age 15, Savage, MN, Microbiology project & paper entitled: Effects of Heated Polycarbonate and Epoxy Resins on *Saccharomyces cerevisiae* Count
North Central Regional JSHS: 2nd place chosen to advance to the American Jr Academy of Science

Madelaine Taft-Ferguson, Breck School, grade 12, age 18, Minneapolis, MN, Cellular & Molecular Biology project & paper entitled: Assessing the Viability of Islet Xeno-Transplants for Type-1 Diabetes
North Central Regional JSHS: Student named for Outstanding Achievement
Minnesota Scholar of Distinction in Science
ISEF Finalist 2008

Daniel Mokhtari, Breck School, grade 11, age 17, Eden Prairie, MN, Chemistry project & paper entitled: Synthesizing a novel molecule to tag heavy metal cations and pathogens in water supplies
North Central Regional JSHS: Student named for Outstanding Achievement
Minnesota Scholar of Distinction in Science
2008 ISEF Team Finalist with Stephen Trusheim as partner: with an Engineering project & paper entitled: Engineering a Program to Digitally Analyze Genetic Tests for HPV