

# 49th ANNUAL MONTGOMERY AREA SCIENCE FAIR

March 13, 2005

## ***LIFE SCIENCES FAIR***

### **SENIOR DIVISION GRAND AWARDS**

Expense paid trip to enter their projects at the  
56th International Science and Engineering Fair,  
Phoenix, Arizona

Kristina Yang  
Grade 12

Montgomery Blair High School  
SL 206 Quantitative Analysis of PicoGreen and Hoescht 33258 Binding Discrepancies  
to Animal-, Phage-, and Plant-Based DNA

Beatrice Parker  
Grade 10

Bethesda-Chevy Chase High School  
SL 1405 The Effect of Nicotine Levels on Zebrafish Growth and Development

Honorable Mention to the Grand Award and Alternate to the International Science and  
Engineering Fair and a \$50.00 bond from the Montgomery Area Science Fair  
Association.

Prasanna Vasudevan  
Grade 12

Montgomery Blair High School  
SL 1007 Toward Early Detection of Alzheimer's Disease: Developing a Method to  
Determine Activity in the Cerebral Cortex Using Surface Analysis

### **JUNIOR DIVISION GRAND AWARDS**

A \$50.00 bond from the Montgomery Area Science Fair Association.

Hayley Willer  
Grade 6

Roberto Clemente Middle School  
JL 1011 The Effects of Age on Peripheral Vision

Juliana Biro  
Grade 7

Cabin John Middle School  
JL 1101 The Antibacterial Effects of Honey: What's the Buzz on Manuka Honey?

Honorable Mention to Junior Division Grand Award

Rutvij Pandya  
Grade 8

Takoma Park Middle School  
JL 104 The Stroop Test: A Study on Visual Selective Attention Through Age and  
Gender

# 49th ANNUAL MONTGOMERY AREA SCIENCE FAIR

March 13, 2005

## ***PHYSICAL SCIENCES FAIR***

### **SENIOR DIVISION GRAND AWARDS**

Expense paid trip to enter their projects at the  
56th International Science and Engineering Fair,  
Phoenix, Arizona

Scott Kominers  
Grade 12

Walt Whitman High School  
SP 901 On Universality Properties of Positive-Definite Integral Quadratic Forms

Renee Park  
Grade 12

Montgomery Blair High School  
SP 1302 Effects of Atmospheric Turbulence on Simulated Starlight in a Low-Pressure  
Telescope Environment

Honorable Mention to the Grand Award and Alternate to the International Science and  
Engineering Fair and a \$50.00 bond from the Montgomery Area Science Fair  
Association.

Adrienne Smith  
Grade 12

Montgomery Blair High School  
SP 405 Oxidation Resistance and Mechanical Properties of Ceramics in the  $ZrB_2 / Ta_5Si_3$   
System

### **JUNIOR DIVISION GRAND AWARDS**

A \$50.00 bond from the Montgomery Area Science Fair Association.

Jonathan Gootenberg  
Grade 8

Takoma Park Middle School  
JP 408 The Effect of Electrolyte Concentration on Alkaline Fuel Cell Output

Sam Hendel and Ben Lewis  
Grade 6

Cabin John Middle School  
JP 1565 Slow Roller Testing

Honorable Mention to Junior Division Grand Award

Akimitsu Hogge  
Grade 8

Takoma Park Middle School  
JP 503 Optimizing Structural Integrity of Rigid Block Structures against a Constant  
Force with a Genetic Algorithm

**CATEGORY AWARDS**  
**JUNIOR DIVISION**

**Behavioral and Social Sciences**

1	JL104	Rutvij Pandya	Takoma Park Middle School
2	JL106	Gabriela Mujica	Earl B. Wood Middle School
3	JL102	Tiffany Chang	Takoma Park Middle School
3	JL103	Orly Farber	Charles E. Smith Jewish Day School
H	JL101	Laura Avigan	Hebrew Day Institute

**Biochemistry**

1	JL204	Sneha Kannan	Takoma Park Middle School
2	JL202	Sarah Bolmer	Cabin John Middle School
3	JL205	Elizabeth So	Takoma Park Middle School
H	JL206	Stephan Roessler	Redland Middle School

**Botany**

1	JL305	Brogan Murphy	St. Catherine Laboure School
2	JL301	Nathalie Deroin	Roberto Clemente Middle School
3	JL312	Conway Xu	Takoma Park Middle School
H	JL306	Alison Post	Redland Middle School
H	JL307	Ankit Sood	Takoma Park Middle School
H	JL310	Josh Weil	Sligo Middle School

**Chemistry**

1	P408	Jonathan Gootenberg	Takoma Park Middle School
2	JP403	Ryan Biesecker	North Bethesda Middle School
3	JP402	Andrew Badger	Earl B. Wood Middle School
3	JP405	Carlos Eyzaguirre	Newport Mill Middle School
H	JP418	Philip Termini	Sligo Middle School
H	JP419	Daniel Toretsky	Sligo Middle School
H	JP420	Ashley Wilson	Roberto Clemente Middle School

**Computer Science**

1	JP503	Akimitsu Hogge	Takoma Park Middle School
2	JP504	Ansh Johri	Takoma Park Middle School
3	JP501	Chiranjith Das	Takoma Park Middle School
H	JP502	Pranav Gokhale	Roberto Clemente Middle School
H	JP505	Eric Kuang	Takoma Park Middle School
H	JP506	A. Yashodhara Rao	Thomas W. Pyle Middle School

**Earth Science**

1	JP607	Mercedes Valero	Herbert Hoover Middle School
2	JP601	Haley Carpenter	Francis Scott Key Middle School
3	JP602	Jacob Harris	Herbert Hoover Middle School
H	JP605	Poorna Natarajan	Takoma Park Middle School

**Engineering**

1	JP704	Deepa Chellappa	Takoma Park Middle School
2	JP711	Joseph Lynch	Sligo Middle School
3	JP710	Nicholas Loeb	Takoma Park Middle School
H	JP703	Abigail Carras	Holton-Arms School
H	JP707	Sarah Fechter	Herbert Hoover Middle School

**Environmental Sciences (Life)**

1	JL804	Ethan Wang	Takoma Park Middle School
2	JL802	Mohammad Manzari	Herbert Hoover Middle School
3	JL803	Valeria Nogales	Earl B. Wood Middle School

**Environmental Sciences (Physical)**

1	JP856	William L. Shepherdson	Takoma Park Middle School
2	JP852	James Higgins	Earl B. Wood Middle School
3	JP854	Elliot Shein	Earl B. Wood Middle School

Environmental Sciences (Physical) - continued			
H	JP851	Christopher Brown	Earl B. Wood Middle School
H	JP855	Leah Shein	Earl B. Wood Middle School
H	JP857	Molly Wallace	Francis Scott Key Middle School
Mathematics			
1	JP904	Jordan Hirsh	Takoma Park Middle School
2	JP905	Anand Oza	Takoma Park Middle School
3	JP901	Michael Cohen	Takoma Park Middle School
3	JP902	Andrew Das Sarma	Takoma Park Middle School
H	JP903	Andrew Gallagher	Roberto Clemente Middle School
H	JP906	Prashanth Venkataram	Cabin John Middle School
Medicine and Health			
1	JL1011	Hayley Willer	Roberto Clemente Middle School
2	JL1012	Devin Zhang	Takoma Park Middle School
3	JL1001	Allison Arai	Takoma Park Middle School
H	JL1003	Justin Chang	Takoma Park Middle School
H	JL1005	Sophia Dipaolo	Holton-Arms School
Microbiology			
1	JL1101	Juliana Biro	Cabin John Middle School
2	JL1103	Xin Shan	Takoma Park Middle School
3	JL1102	Shilpa Kannan	Takoma Park Middle School
Physics			
1	JP1210	John Lillibridge	North Bethesda Middle School
2	JP1221	Earl Smith	North Bethesda Middle School
3	JP1201	Mark Berry	Takoma Park Middle School
3	JP1212	Joseph Martin	Francis Scott Key Middle School
H	JP1209	Abiola Lanியonu	Takoma Park Middle School
H	JP1214	Ian McNally	North Bethesda Middle School
H	JP1215	Urja Mittal	Takoma Park Middle School
H	JP1216	Kyle Murphy	Earl B. Wood Middle School
H	JP1222	Frank Wen	Takoma Park Middle School
Team Projects (Life)			
1	JL1503	Sandra Stibitz	Takoma Park Middle School
1	JL1503	Kyujoo Choi	Takoma Park Middle School
2	JL1504	Katarina Harvey	St. Catherine Laboure School
2	JL1504	Ashley Patterson	St. Catherine Laboure School
3	JL1501	Kevin Meng	William H. Farquhar Middle School
3	JL1501	Kiran Patel	William H. Farquhar Middle School
H	JL1505	Stephanie Willett	Earl B. Wood Middle School
H	JL1505	Rose Wu	Earl B. Wood Middle School
Team Projects (Physical)			
1	JP1565	Ben Lewis	Cabin John Middle School
1	JP1565	Sam Hendel	Cabin John Middle School
2	JP1568	Becky Song	Roberto Clemente Middle School
2	JP1568	Duan Wang	Roberto Clemente Middle School
3	JP1555	Tanya Pakzad	Cabin John Middle School
3	JP1555	Ruo Chen Zhang	Cabin John Middle School
3	JP1567	Jeechee Chen	Takoma Park Middle School
3	JP1567	Zimin Hang	Takoma Park Middle School
3	JP1567	Joshua Lee	Takoma Park Middle School
H	JP1566	Julie Arbit	Cabin John Middle School
H	JP1566	Emily Westrick	Cabin John Middle School

**CATEGORY AWARDS**  
**SENIOR DIVISION**

**Behavioral and Social Sciences**

1	SL101	Michele Abbott	Sherwood High School
2	SL106	Katelyn Kinker	Sherwood High School
2	SL117	Sarika Tamaskar	Sherwood High School
3	SL111	Rachel Pozzatti	Sherwood High School
H	SL105	Jen Greenhut	Sherwood High School
H	SL108	Serena Mitchual	Sherwood High School
H	SL112	Ernika Quimby	Sherwood High School

**Biochemistry**

1	SL206	Kristina Yang	Montgomery Blair High School
2	SL205	Padma Rajagopal	Montgomery Blair High School
3	SL201	Daniel Aisen	Montgomery Blair High School

**Botany**

1	SL306	Andrew Melmed	Bethesda-Chevy Chase High School
2	SL305	Ini Li	Thomas S. Wootton High School
3	SL310	Quyen Tran	Sherwood High School
H	SL304	Meghan Hughes	Bethesda-Chevy Chase High School
H	SL311	Marisol Williams	Bethesda-Chevy Chase High School

**Chemistry**

1	SP405	Adrienne Smith	Montgomery Blair High School
2	SP401	Rebecca Fink	Sherwood High School
3	SP406	Lauren Smith	Montgomery Blair High School

**Computer Science**

1	SP503	Gregory Eden	Montgomery Blair High School
2	SP505	Alexander Mont	Montgomery Blair High School
3	SP504	Erica Hogan	Sherwood High School
H	SP502	David Crawford	Montgomery Blair High School

**Earth Science**

1	SP601	A-ram Lee	Sherwood High School
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**Engineering**

1	SP708	Mithun Suresh	Winston Churchill High School
2	SP701	Ameer Abutaleb	Montgomery Blair High School
3	SP705	Jonathan Long	Thomas S. Wootton High School
H	SP709	Tom Swartz	Bethesda-Chevy Chase High School
H	SP710	Kathy Wang	Montgomery Blair High School

**Environmental Sciences (Life)**

1	SL807	Alyssa Walker	Sherwood High School
2	SL802	Shima Gholamimehrabadi	Muslim Community School
3	SL804	Andrew Mertz	Col. Zadok Magruder High School
H	SL801	David Damtoft	Bethesda-Chevy Chase High School
H	SL806	Aurora Tsai	Sherwood High School

**Environmental Sciences (Physical)**

1	SP851	Daniel Gardner	Col. Zadok Magruder High School
2	SP852	Yolanta Millner	Col. Zadok Magruder High School
3	SP854	Bernard Wong	Col. Zadok Magruder High School

**Mathematics**

1	SP901	Scott Kominers	Walt Whitman High School
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**Medicine and Health**

1	SL1007	Prasanna Vasudevan	Montgomery Blair High School
2	SL1009	Min Wu Montgomery	Blair High School
3	SL1004	Liam McMahon	Bethesda-Chevy Chase High School
H	SL1003	Gregory Ihrle	Walt Whitman High School

Microbiology			
1	SL1104	Kendra Leigh	Montgomery Blair High School
2	SL1105	Mahir Maruf	Thomas S. Wootton High School
3	SL1107	Lillian Tsai	Winston Churchill High School
H	SL1106	Cristina Rentas	Sherwood High School
H	SL1108	Sylvia Tsakos	Bethesda-Chevy Chase High School
Physics			
1	SP1201	Douglas Adams	Montgomery Blair High School
2	SP1202	Jason Chen	Winston Churchill High School
3	SP1204	Saul Kinter	Montgomery Blair High School
Space Science			
1	SP1302	Renee Park	Montgomery Blair High School
2	SP1301	Abigail Fraeman	Montgomery Blair High School
Zoology			
1	SL1405	Beatrice Parker	Bethesda-Chevy Chase High School
2	SL1403	Seth Hoffman	Richard Montgomery High School
3	SL1402	Dana Gale	Sherwood High School
3	SL1408	Katie Zdilla	Sherwood High School
Team Projects (Life)			
1	SL1512	Ben Frable	Bethesda-Chevy Chase High School
1	SL1512	Alexandre Mariuzza	Bethesda-Chevy Chase High School
2	SL1507	Andrew McCarron	Bethesda-Chevy Chase High School
2	SL1507	Messai Belayneh	Bethesda-Chevy Chase High School
3	SL1504	Tessa Carducci	Thomas S. Wootton High School
3	SL1504	John Hooff	Thomas S. Wootton High School
H	SL1508	Benjamin Cho	Sherwood High School
H	SL1508	Manan Parikh	Sherwood High School
H	SL1509	Javier Garza	Sherwood High School
H	SL1509	Nate Nguyen	Sherwood High School
H	SL1510	Shaun Robinson	Sherwood High School
H	SL1510	Michael Rollings	Sherwood High School
H	SL1515	Matthew Lowe	Sherwood High School
H	SL1515	Zachary Foster	Sherwood High School
Team Projects (Physical)			
1	SP1551	Brian Go	Bethesda-Chevy Chase High School
1	SP1551	Joshua Klontz	Bethesda-Chevy Chase High School
2	SP1556	David Martin	Walt Whitman High School
2	SP1556	Joshua Martin	Walt Whitman High School
3	SP1552	Alexander May	Montgomery Blair High School
3	SP1552	Ilya Ganelin	Montgomery Blair High School
3	SP1553	Gregory Comstock	Montgomery Blair High School
3	SP1553	Gregory Cox	Montgomery Blair High School
H	SP1554	Walter Beller-Morales	Bethesda-Chevy Chase High School
H	SP1554	Peter Sebrechts	Bethesda-Chevy Chase High School

**SPECIAL AWARDS**  
(Alphabetically By Organization)

**American Astronautical Society**

3rd Place Certificate and 1Yr. Membership  
SP1301 Abigail Fraeman Montgomery Blair High School  
2nd Place \$100 Cash Award, Certificate and 1 Yr Membership  
SP1302 Renee Park Montgomery Blair High School  
1st Place \$200 Cash Award, Certificate and 2 Yr Membership  
JP1221 Earl Smith North Bethesda Middle School

**American Industrial Hygiene Association**

3rd Place Honorable Mention Certificate  
SP701 Ameer Abutaleb Montgomery Blair High School  
2nd Place Cash Award and Certificate  
JP856 William L. Shepherdson Takoma Park Middle School  
1st Place Cash Award and Certificate  
SP709 Tom Swartz Bethesda-Chevy Chase High School

**American Institute of Aeronautics & Astronautics - AIAA**

Honorable Mention Award  
JP506 A. Yashodhara Rao Thomas W. Pyle Middle School  
JP605 Poorna Natarajan Takoma Park Middle School  
JP707 Sarah Fechter Herbert Hoover Middle School  
JP711 Joseph Lynch Sligo Middle School  
JP1214 Ian McNally North Bethesda Middle School  
JP1221 Earl Smith North Bethesda Middle School  
JP1222 Frank Wen Takoma Park Middle School  
JP1560 Rostislav Tsiomenko Takoma Park Middle School  
JP1560 Minsoo Han Takoma Park Middle School  
SP404 Fernando Ramirez Gaithersburg High School  
SP405 Adrienne Smith Montgomery Blair High School  
SP506 Sebastian Wood Bethesda-Chevy Chase High School  
SP1202 Jason Chen Winston Churchill High School  
SP1554 Walter Beller-Morales Bethesda-Chevy Chase High School  
SP1554 Peter Sebrechts Bethesda-Chevy Chase High School  
SP1301 Abigail Fraeman Montgomery Blair High School  
SP1302 Renee Park Montgomery Blair High School  
3rd Place \$50 Cash Award and Invitation to Awards Banquet  
SP1201 Douglas Adams Montgomery Blair High School  
2nd Place \$100 Cash Award and Invitation to Awards Banquet  
SP1556 David Martin Walt Whitman High School  
SP1556 Joshua Martin Walt Whitman High School  
1st Place 1 Week at Space Camp or Aviation Challenge and Invitation to Awards Banquet  
SP1551 Brian Go Bethesda-Chevy Chase High School  
SP1551 Joshua Klontz Bethesda-Chevy Chase High School

**American Meteorological Society**

Certificate  
SP1302 Renee Park Montgomery Blair High School  
SP851 Daniel Gardner Col. Zadok Magruder High School  
JP605 Poorna Natarajan Takoma Park Middle School  
JP1558 Paul Yaginuma White Oak Middle School  
JP1558 Matthew Gatwood White Oak Middle School

**American Nuclear Society**

4th Place Certificate

SP1556 David Martin

SP1556 Joshua Martin

Walt Whitman High School

Walt Whitman High School

3rd Place Certificate and Book

JP1207 Jacob Hurwitz

Robert Frost Middle School

2nd Place Certificate and \$50 Cash Award

JP1201 Mark Berry

Takoma Park Middle School

1st Place Certificate, \$100 Cash Award

JL301 Nathalie Deroin

Roberto Clemente Middle School

**American Psychological Association (APA) and Teachers of Psychology in Secondary Schools**

Certificate of Achievement

SL101 Michele Abbott

Sherwood High School

**American Society of Engineers of Indian Origin, National Capital Chapter (ASEI-NCC)**

Certificate and \$50 Gift Card

SP709 Tom Swartz

Bethesda-Chevy Chase High School

**American Society of Mechanical Engineers**

Honorable Mention Certificate

SP1552 Alexander May

SP1552 Ilya Ganelin

Montgomery Blair High School

Montgomery Blair High School

3rd Place \$25 Cash Award and Certificate

SP1553 Gregory Comstock

SP1553 Gregory Cox

Montgomery Blair High School

Montgomery Blair High School

2nd Place \$50 Cash Award and Certificate

SP708 Mithun Suresh

Winston Churchill High School

1st Place \$75 Cash Award and Certificate

SP1551 Brian Go

SP1551 Joshus Klontz

Bethesda-Chevy Chase High School

Bethesda-Chevy Chase High School

**American Society of Naval Engineers (ASNE), Nat'l Committee on Environmental Engineering (CEE)**

First Place Plaque, Membership, and Exhibit Opportunity

SP405 Adrienne Smith

JP713 Sikandar Porter-Gill

Montgomery Blair High School

Gaithersburg Middle School

**American Society of Safety Engineers - National Capital Chapter**

\$400 Check, Certificate, Golf Shirt

SP406 Lauren Smith

Montgomery Blair High School

\$200 check, certificate, golf shirt

JP704 Deepa Chellappa

Takoma Park Middle School

**American Water Works Association-Chesapeake Section**

Senior First Place \$200 Savings Bond

SL1108 Sylvia Tsakos

Bethesda-Chevy Chase High School

Junior First Place \$100 Savings Bond

JP414 Ahmed Naqvi

Benjamin Banneker Middle School



### **ASM International, Washington DC Chapter**

#### Honorable Mention Certificate

SP406	Lauren Smith	Montgomery Blair High School
SP708	Mithun Suresh	Winston Churchill High School
JP704	Deepa Chellappa	Takoma Park Middle School
JP711	Joseph Lynch	Sligo Middle School

#### Certificate of Achievement

SP405	Adrienne Smith	Montgomery Blair High School
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### **Association for Computing Machinery, DC Chapter**

#### One Year Membership and Subscription to *Crossroads*

JP501	Chiranjith Das	Takoma Park Middle School
JP502	Pranav Gokhale	Roberto Clemente Middle School
JP503	Akimitsu Hogge	Takoma Park Middle School
JP504	Ansh Johri	Takoma Park Middle School
JP505	Eric Kuang	Takoma Park Middle School
JP506	A. Yashodhara Rao	Thomas W. Pyle Middle School
SP502	David Crawford	Montgomery Blair High School
SP503	Gregory Eden	Montgomery Blair High School
SP504	Erica Hogan	Sherwood High School
SP505	Alexander Mont	Montgomery Blair High School

### **Association for Women Geoscientists**

#### Certificate of Achievement

SL803	Andrea Latimer	Sherwood High School
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### **Association of Practicing Psychologists of Montgomery and Prince Georges Counties**

#### 3rd Place \$25 Cash Award

SL111	Rachel Pozzatti	Sherwood High School
JL102	Tiffany Chang	Takoma Park Middle School
JL103	Orly Farber	Charles E. Smith Jewish Day School

#### 2nd Place \$40 Cash Award

SL106	Katelyn Kinker	Sherwood High School
SL117	Sarika Tamaskar	Sherwood High School
JL106	Gabriela Mujica	Earl B. Wood Middle School

#### 1st Place \$50 Cash Award

SL101	Michele Abbott	Sherwood High School
JL104	Rutvij Pandya	Takoma Park Middle School

### **Association of Scientists & Engineers of the Naval Sea System Command**

#### U.S. Savings Bond, Invitation to ASE Banquet, Tour of NSWC Carderock

JP1214	Ian McNally	North Bethesda Middle School
SP706	A. Sarada Rao	Walt Whitman High School

### **Capital PC Users Group**

#### \$50 Savings Bond

JP503	Akimitsu Hogge	Takoma Park Middle School
JP901	Michael Cohen	Takoma Park Middle School
JP902	Andrew Das Sarma	Takoma Park Middle School
SP504	Erica Hogan	Sherwood High School
SP704	Joe Levy	Bethesda-Chevy Chase High School
SP1552	Alexander May	Montgomery Blair High School
SP1552	Ilya Ganelin	Montgomery Blair High School
JP502	Pranav Gokhale	Roberto Clemente Middle School

### **Central Intelligence Agency (CIA)**

#### Invitation to Awards Ceremony and Tour of CIA Headquarters

SP1201	Douglas Adams	Montgomery Blair High School
SP1204	Saul Kinter	Montgomery Blair High School
SL106	Katelyn Kinker	Sherwood High School
SL105	Jen Greenhut	Sherwood High School
SL117	Sarika Tamaskar	Sherwood High School
SL305	Ini Li	Thomas S. Wootton High School
SP506	Sebastian Wood	Bethesda-Chevy Chase High School
SP503	Gregory Eden	Montgomery Blair High School
SP701	Ameer Abutaleb	Montgomery Blair High School

### **Chemical Society of Washington/American Chemical Society**

#### Certificate of Excellence in Chemistry

SP401	Rebecca Fink	Sherwood High School
SP403	Laura Iriarte	Quince Orchard High School
SP405	Adrienne Smith	Montgomery Blair High School
SP406	Lauren Smith	Montgomery Blair High School
JP402	Andrew Badger	Earl B. Wood Middle School
JP403	Ryan Biesecker	North Bethesda Middle School
JP405	Carlos Eyzaguirre	Newport Mill Middle School
JP408	Jonathan Gootenberg	Takoma Park Middle School
JP412	Stuart Kushner	Herbert Hoover Middle School
JP414	Ahmed Naqvi	Benjamin Banneker Middle School
JP415	Kevin O'Brien	Earl B. Wood Middle School
JP418	Philip Termini	Sligo Middle School
JP419	Daniel Toretzky	Sligo Middle School
JP420	Ashley Wilson	Roberto Clemente Middle School
JP421	John Wright	Benjamin Banneker Middle School
JP422	Philip McTighe	Earl B. Wood Middle School
SP404	Fernando Ramirez	Gaithersburg High School

### **Commissioned Officers Association of the U.S. Public Health Service**

#### Surgeon General Outstanding Student Award Certificate

SL1405	Beatrice Parker	Bethesda-Chevy Chase High School
SL1513	Ashley Porter	Sherwood High School
SL1513	Kelly Bromhall	Sherwood High School

#### Best of Category Medicine and Health Award and Book

SL1009	Min Wu	Montgomery Blair High School
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#### Best of Category Medicine and Health Award and Bank

SL1007	Prasanna Vasudevan	Montgomery Blair High School
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### **Discovery Young Scientist Challenge**

#### Certificate, Lapel Pin, Nomination to the Discovery Channel Young Scientist Challenge

JL104	Rutvij Pandya	Takoma Park Middle School
JL204	Sneha Kannan	Takoma Park Middle School
JL305	Brogan Murphy	St. Catherine Laboure School
JP408	Jonathan Gootenberg	Takoma Park Middle School
JP503	Akimitsu Hogge	Takoma Park Middle School
JP607	Mercedes Valero	Herbert Hoover Middle School
JP704	Deepa Chellappa	Takoma Park Middle School
JL804	Ethan Wang	Takoma Park Middle School
JP904	Jordan Hirsh	Takoma Park Middle School
JL1011	Hayley Willer	Roberto Clemente Middle School
JL1101	Juliana Biro	Cabin John Middle School

### **Discovery Young Scientist Challenge (continued)**

Certificate, Lapel Pin, Nomination to the Discovery Channel Young Scientist Challenge	
JP1210 John Lillibridge	North Bethesda Middle School
JL1503 Sandra Stibitz	Takoma Park Middle School
JL1503 Kyujoo Choi	Takoma Park Middle School
JP1565 Ben Lewis	Cabin John Middle School
JP1565 Sam Hendel	Cabin John Middle School
JP856 William L. Shepherdson	Takoma Park Middle School

### **Eastman Kodak Company**

Certificate of Achievement and Camera for Student and Student's Teacher	
SL1007 Prasanna Vasudevan	Montgomery Blair High School
JL1001 Allison Arai	Takoma Park Middle School

### **Electrochemical Society, National Capital Chapter**

Certificate of Accomplishment	
SP1556 David Martin	Walt Whitman High School
SP1556 Joshua Martin	Walt Whitman High School
JP408 Jonathan Gootenberg	Takoma Park Middle School
1st Place \$25 cash award, Certificate, Awards Banquet	
SP405 Adrienne Smith	Montgomery Blair High School

### **Energy & Air Quality Advisory Committee of Montgomery County**

1st Place - Alternative Energy - \$100 Cash Award and Certificate	
JP713 Sikandar Porter-Gill	Gaithersburg Middle School
1st Place - Air Quality - \$100 Cash Award and Certificate	
JP856 William L. Shepherdson	Takoma Park Middle School

### **Federal Water Quality Association (FWQA)**

Honorable Mention Certificate	
JL310 Josh Weil	Sligo Middle School
SP854 Bernard Wong	Col. Zadok Magruder High School
3rd Place Certificate	
JP414 Ahmed Naqvi	Benjamin Banneker Middle School
SL1501 Alexandra Evans	Sherwood High School
SL1501 Alision Kauffman	Sherwood High School
2nd Place Certificate	
JP1215 Urja Mittal	Takoma Park Middle School
SP852 Yolanta Millner	Col. Zadok Magruder High School
1st Place Certificate, \$100 Savings Bond, Luncheon invitation	
JP857 Molly Wallace	Francis Scott Key Middle School
SL803 Andrea Latimer	Sherwood High School

### **Gem, Lapidary & Mineral Society of Montgomery County Maryland, Inc.**

\$50 Cash Award, Membership to the Society	
SP401 Rebecca Fink	Sherwood High School
JP419 Daniel Toretzky	Sligo Middle School

### **George Washington University Engineering Alumni Association**

Gift and Invitation to Dean's Reception	
SP708 Mithun Suresh	Winston Churchill High School
SP1202 Jason Chen	Winston Churchill High School
SP1205 Rob Myers	Sherwood High School
SP1302 Renee Park	Montgomery Blair High School
SP701 Ameer Abutaleb	Montgomery Blair High School

### **George Washington University Engineering Alumni Association (continued)**

Gift and Invitation to Dean's Reception

SP1204	Saul Kinter	Montgomery Blair High School
SP707	Reem Sharaf	Col. Zadok Magruder High School
SP1201	Douglas Adams	Montgomery Blair High School
SP503	Gregory Eden	Montgomery Blair High School
SP1556	David Martin	Walt Whitman High School
SP1556	Joshua Martin	Walt Whitman High School
SP1206	Erin Wolpert	Bethesda-Chevy Chase High School
SP706	A. Sarada Rao	Walt Whitman High School

### **Herbert Hoover Presidential Library Association**

Certificate of Achievement and Medallion

SP708	Mithun Suresh	Winston Churchill High School
JP704	Deepa Chellappa	Takoma Park Middle School

### **Institute of Electrical and Electronics Engineers - IEEE**

3rd Place Certificate and \$50 Cash Award

SP505	Alexander Mont	Montgomery Blair High School
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2nd Place Certificate and \$100 Cash Award

SP501	Benjamin Chang	Sherwood High School
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1st Place Certificate and \$200 Cash Award, Banquet

SP701	Ameer Abutaleb	Montgomery Blair High School
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### **Institute of Food Technologists - DC Section**

Certificate

JP421	John Wright	Benjamin Banneker Middle School
JP414	Ahmed Naqvi	Benjamin Banneker Middle School

1st Place Letter, Bag, and Book

JL1012	Devin Zhang	Takoma Park Middle School
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### **Intel Excellence in Computer Science Award**

Certificate and \$200 Cash Award

SP503	Gregory Eden	Montgomery Blair High School
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### **International Society for Optical Engineering**

Certificate of Achievement and Entry into a drawing for Cash Award

SP1201	Douglas Adams	Montgomery Blair High School
JP1221	Earl Smith	North Bethesda Middle School

### **MedImmune**

\$100 Cash Award and Summer Internship

SL201	Daniel Aisen	Montgomery Blair High School
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### **MU Alpha Theta**

Certificate of Achievement

SP505	Alexander Mont	Montgomery Blair High School
SP701	Ameer Abutaleb	Montgomery Blair High School

### **National Association of Biology Teachers**

Certificate of Honor

SL1107	Lillian Tsai	Winston Churchill High School
SL1004	Liam McMahan	Bethesda-Chevy Chase High School

### **National Capital Astronomers**

Invitation to Present to the Association

SP1302 Renee Park  
SP1301 Abigail Fraeman

Montgomery Blair High School  
Montgomery Blair High School

### **National Society of Professional Engineers**

Certificate of Achievement, Lapel Pin

SP708 Mithun Suresh  
JP704 Deepa Chellappa

Winston Churchill High School  
Takoma Park Middle School

### **National Space Club**

Honorable Mention Certificate of Merit

SP1301 Abigail Fraeman  
SP1302 Renee Park

Montgomery Blair High School  
Montgomery Blair High School

1st Place \$500 Cash Award

SP1551 Brian Go  
SP1551 Joshua Klontz

Bethesda-Chevy Chase High School  
Bethesda-Chevy Chase High School

### **Northrop Grumman**

\$200 US Savings Bond

SP503 Gregory Eden  
SP701 Ameer Abutaleb  
SP706 A. Sarada Rao  
SP708 Mithun Suresh  
SP1302 Renee Park  
SP1551 Brian Go  
SP1551 Joshua Klontz  
SP1556 David Martin  
SP1556 Joshua Martin

Montgomery Blair High School  
Montgomery Blair High School  
Walt Whitman High School  
Winston Churchill High School  
Montgomery Blair High School  
Bethesda-Chevy Chase High School  
Bethesda-Chevy Chase High School  
Walt Whitman High School  
Walt Whitman High School

### **Office of Naval Research**

Senior - \$50 Gift Certificate, Medallion, Certificate of Award

SL203 Rania Dagalakis  
SP406 Lauren Smith  
SP901 Scott Kominers

Winston Churchill High School  
Montgomery Blair High School  
Walt Whitman High School

Junior - Medallion, Certificate of Award

JL202 Sarah Bolmer  
JP503 Akimitsu Hogge  
JP714 Zachary Roth  
JP904 Jordan Hirsh  
JL1101 Juliana Biro

Cabin John Middle School  
Takoma Park Middle School  
Hebrew Day Institute  
Takoma Park Middle School  
Cabin John Middle School

### **Optical Society of America - National Capital Section**

Outstanding Level - Certificate and Invitation to Banquet

JP1221 Earl Smith  
JL1001 Allison Arai  
JL1011 Hayley Willer  
SP1302 Renee Park  
SP1201 Douglas Adams  
SL1403 Seth Hoffman

North Bethesda Middle School  
Takoma Park Middle School  
Roberto Clemente Middle School  
Montgomery Blair High School  
Montgomery Blair High School  
Richard Montgomery High School

Notable Achievement Level - Certificate

JP706 Ramita Dewan  
JP1202 Jacob Cantor  
SP1204 Saul Kinter

Takoma Park Middle School  
Gaithersburg Middle School  
Montgomery Blair High School

### **Organization of Chinese Americans**

Invited to Gala: receive \$100, certificate, OCA membership

JL1010	Qiyu Wang	Takoma Park Middle School
SL206	Kristina Yang	Montgomery Blair High School
SL305	Ini Li	Thomas S. Wootton High School
SL1009	Min Wu	Montgomery Blair High School

### **Ricoh Corporation**

Certificate, 1 Yr. Subscription to Science News, Entry to win a Ricoh Digital Camera

SL801	David Damtoft	Bethesda-Chevy Chase High School
JP856	William L. Shepherdson	Takoma Park Middle School

### **Sigma Delta Epsilon Graduate Women in Science, Omicron Chapter**

Certificate of Recognition

SL205	Padma Rajagopal	Montgomery Blair High School
SP504	Erica Hogan	Sherwood High School
SL1009	Min Wu	Montgomery Blair High School
SP1206	Erin Wolpert	Bethesda-Chevy Chase High School
SP1301	Abigail Fraeman	Montgomery Blair High School
SP1302	Renee Park	Montgomery Blair High School
SP706	A. Sarada Rao	Walt Whitman High School
SL1405	Beatrice Parker	Bethesda-Chevy Chase High School
JL1103	Xin Shan	Takoma Park Middle School
JL1102	Shilpa Kannan	Takoma Park Middle School
JL1101	Juliana Biro	Cabin John Middle School

Certificate of Excellence, 1 Yr Subscription to Science News

SL1104	Kendra Leigh	Montgomery Blair High School
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### **Sigma Xi - FDA Chapter**

Honorable Mention Certificate

SL203	Rania Dagalakis	Winston Churchill High School
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2nd Place Certificate, \$100 Savings Bond

SP708	Mithun Suresh	Winston Churchill High School
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1st Place Certificate, \$200 Savings Bond

SP710	Kathy Wang	Montgomery Blair High School
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### **Sigma Xi - NIST Chapter**

\$50 Cash Award, Certificate, Invitation to Annual Banquet

SL804	Andrew Mertz	Col. Zadok Magruder High School
SL206	Kristina Yang	Montgomery Blair High School

### **Society for In Vitro Biology**

Certificate of Achievement

SL1504	Tessa Carducci	Thomas S. Wootton High School
SL1504	John Hooff	Thomas S. Wootton High School

### **Society for Mining, Metallurgy and Exploration, Inc.**

Certificate and T-Shirt

SP406	Lauren Smith	Montgomery Blair High School
SP405	Adrienne Smith	Montgomery Blair High School
JP713	Sikandar Porter-Gill	Gaithersburg Middle School

### **Spectrum Science Communications**

\$50 Cash Award

JL202 Sarah Bolmer  
JL1101 Juliana Biro

Cabin John Middle School  
Cabin John Middle School

### **Towson University**

\$50 Cash Award, Towson University Award of Excellence Certificate

SL1002 Lauren Edwards  
SL1404 Megan Johnson

Sherwood High School  
Sherwood High School

### **U.S. Air Force**

Techfolio containing a Franklin Spelling Ace/Thesaurus, Pen/Pencil Set, Certificate and Medallion

SP503 Gregory Eden  
SP701 Ameer Abutaleb  
SP706 A. Sarada Rao  
SL805 Sophia Rizvi

Montgomery Blair High School  
Montgomery Blair High School  
Walt Whitman High School  
Col. Zadok Magruder High School

### **U.S. Army Research Office**

Framed Certificate of Achievement, Polo Shirt

SL306 Andrew Melmed  
SP405 Adrienne Smith  
SP406 Lauren Smith  
SP701 Ameer Abutaleb  
SP901 Scott Kominers  
SL1007 Prasanna Vasudevan

Bethesda-Chevy Chase High School  
Montgomery Blair High School  
Montgomery Blair High School  
Montgomery Blair High School  
Walt Whitman High School  
Montgomery Blair High School

Framed Certificate of Achievement

SP501 Benjimin Chang  
SP503 Gregory Eden

Sherwood High School  
Montgomery Blair High School

Certificate of Achievement

SL101 Michele Abbott  
SL106 Katelyn Kinker  
SL201 Daniel Aisen  
SL206 Kristina Yang  
SP710 Kathy Wang  
SL801 David Damtoft  
SL804 Andrew Mertz  
SL807 Alyssa Walker  
SL1003 Gregory Ihrle  
SL1009 Min Wu  
SP1202 Jason Chen  
SP1204 Saul Kinter  
SL1104 Kendra Leigh  
SP1302 Renee Park  
SL1504 Tessa Carducci  
SL1504 John Hooff  
SL1512 Ben Frable  
SL1512 Alexandre Mariuzza  
SL1514 Angie Baker  
SL1514 Maddie Stone

Sherwood High School  
Sherwood High School  
Montgomery Blair High School  
Montgomery Blair High School  
Montgomery Blair High School  
Bethesda-Chevy Chase High School  
Col. Zadok Magruder High School  
Sherwood High School  
Walt Whitman High School  
Montgomery Blair High School  
Winston Churchill High School  
Montgomery Blair High School  
Montgomery Blair High School  
Montgomery Blair High School  
Thomas S. Wootton High School  
Thomas S. Wootton High School  
Bethesda-Chevy Chase High School  
Bethesda-Chevy Chase High School  
Bethesda-Chevy Chase High School  
Bethesda-Chevy Chase High School

Army Medallion, Framed Certificate of Achievement

SP1201 Douglas Adams  
SL1403 Seth Hoffman

Montgomery Blair High School  
Richard Montgomery High School

**U.S. Metric Association**

Certificate of Merit

SP405 Adrienne Smith  
SL807 Alyssa WalkerMontgomery Blair High School  
Sherwood High School**U.S. Nuclear Regulatory Commission**

Certificate

SP706 A. Sarada Rao  
SP709 Tom Swartz  
JL301 Nathalie Deroin  
JP605 Poorna NatarajanWalt Whitman High School  
Bethesda-Chevy Chase High School  
Roberto Clemente Middle School  
Takoma Park Middle School**Washington Statistical Society**

Honorable Mention Certificate

JP901 Michael Cohen  
SL1402 Dana Gale  
SL1401 Eric Bryant  
JL309 Zaheer Valivullah  
JL312 Conway Xu  
2nd - Statistics Book and Subscription to STATS  
SL111 Rachel Pozzatti  
1st - \$150 Cash Award, ASA Membership, Subscription to STATS  
JP903 Andrew GallagherTakoma Park Middle School  
Sherwood High School  
Sherwood High School  
Takoma Park Middle School  
Takoma Park Middle School  
Sherwood High School  
Roberto Clemente Middle School**Water Environment Federation Stockholm Junior Water Prize**

Certificate and entry into the State-Level Competition

SL803 Andrea Latimer

Sherwood High School

**West Montgomery County Citizens Association**

Award Ribbon and Invitation to Present

SP854 Bernard Wong  
SL803 Andrea LatimerCol. Zadok Magruder High School  
Sherwood High School**Yale Science & Engineering Association, Inc.**

Pewter Medallion and Certificate

SP401 Rebecca Fink

Sherwood High School