NORTH JERSEY REGIONAL SCIENCE FAIR

OFFICIAL AWARDS LIST OVERALL AWARDS-NJRSF-2014

Final Report, for awards ceremony

NOT TO BE RELEASED PRIOR TO 8:00 P.M., March 15, 2014

ISEF TRIP AWARDS

Four students and their advisors will receive expense paid trips to the International Science and Engineering Fair in Los Angeles, California, to be held May 11-16.

		Winners	
Joshua Abraham Meier/CB.16	grade 12	Bergen County Academies	Robert Pergolizzi, PhD
Ritesh Narayan Ragavender/MC.07	grade 12	South Brunswick High School	Alex Ellis
Kelvin Wang/PH.06	grade 11	Bergen County Academies	Ting Yu
Alon Millet/GB.03	grade 10	Bergen County Academies	Donna Leonardi
Ji-Sung Kim/BI.07	grade 12	Alternates Bergen County Academies Tenafly High School	Mrs. Donna Leonardi
Masaharu Ono/CR.10	grade 12		Helen Coyle

ISEF TEAM AWARDS

Thanks to a special grant from AT&T Labs, pursuant to the Netflix Prize won by researchers at the Shannon Lab, the NJRSF was able to send a team to ISEF for the first time in 2010. That practice is continuing in the present fair. The students and their advisor will accompany the individual winners named above.

		Winners	
Jenna Rose DiRito/BI.05 Serena Tharakan/BI.05	grade 12 grade 12	Academy for Medical Science Technologybert Pergolizzi, Pl	
		Alternates	
Akhil Chowdary Bandi /BS.13 Akhil Parlapalli /BS.13	grade 12 grade 12	J. P. Stevens High School Princeton Day School	Barbara Maloney
Rachel Triebwasser/CH.09 Christine Anne Kim/CH.09 Mahmoud Bachir/CH.09	grade 11 grade 12 grade 11	Colonia High School	James Danch

NJIT Academic Fellowship

Two juniors receive a \$1,000/yr four-year academic fellowship to NJIT, conditional on normal admission procedures.

		Winner	
Justin Kevin Yu/BI.01	grade 11	Academy of Science and Technology	Donna Leonardi
Heather Amelia Newman /MC.09	grade 11	Colonia High School	James Danch
		Alternates	
Katherine Chew/BI.02	grade 11	Academy of Science and Technology	Robert Pergolizzi
Benjamin M Kelser/EV.10	grade 11	Summit High School	Dr. Benjamin Greene
Liam C Stewart/EV.10	grade 11		

ISEF Symposium Finalists

Up to twelve students are chosen as finalists for the ISEF trips. These students make oral presentations in the Finalist Symposium.

		Senior Division
Ji-Sung Kim/BI.07	grade 12	Bergen County Academies Mrs. Donna Leonardi
Joshua Abraham Meier/CB.16	grade 12	Bergen County Academies Robert Pergolizzi, PhD
Isabella Natalie Grabski/CH.05	grade 12	Academy of Science and Technology Deok-Yang Kim
Dongyeon Kim/CR.03	grade 12	Academy for Medical Science Technology Donna Leonardi
Masaharu Ono/CR.10	grade 12	Tenafly High School Helen Coyle
Trisha Chadha Datta/EN.02	grade 11	Hillsborough High School Marco Gruteser
ChangWon (Charlie) Lee/GB.10	grade 11	River Dell Regional High School Chin Chu
Hee Jae (Ana) Song/HP.05	grade 12	Academy for Medical Science Technology Donna Leonardi
Ritesh Narayan Ragavender/MC.07	grade 12	South Brunswick High School Alex Ellis
Kelvin Wang/PH.06	grade 11	Bergen County Academies Ting Yu
		Junior Division (Grades 9-10)
Alon Millet/GB.03	grade 10	Bergen County Academies Donna Leonardi
Himani Patel/CR.09	grade 10	Academy of Science and Technology Mrs. Donna Leonardi

Partners in Science Award

Two students receive a two-month summer research position working in a corporate or university lab in New Jersey, with a professional scientist or engineer.

		Winners	
Ishani Vijay Khatiwala/HP.17	grade 11	Pascack Hills High School	Martin Edelberg
Sabina London/BI.09	grade 10	Northern Valley Regional High School at DenFardstico Casares	
		Alternates	
Vanita Mangru/CR.02	grade 11	Bergen County Academies	Alyssa Calabro
Heather Amelia Newman /MC.09	grade 11	Colonia High School	James Danch
Rachel Gleyzer/CR.15	grade 10	Academy of Science and Technology	Dr. Robert Pergolizzi
Ryan Nathaniel Alweiss/MC.03	grade 11	Bergen County Academies	Dr. Krassimir Penev

NJIT Summer Academy Scholarship

Two students receive scholarships to the NJIT Summer Academy where they may take up to 6 college credits during the summer.

		Winners	
Anna Molotkova/CR.08	grade 10	Bergen County Academies	Alyssa Calabro
Alexander John Kelser/EN.08	grade 11	Summit High School	Ben Greene
		Alternates	
Emily Gwen Tulsky/EV.24	grade 10	Summit High School	Cynthia Vitale
Patricia Helena Perfect/MB.03	grade 10	Bergen County Academies	Alyssa Calabro

N.J Water Environment Association Award

One project receives an award of \$500 for excellence in promoting water quality or quantity. This project is also elgible for further competition at the state level.

Marium Khalid/EV.08 grade 12 Pascack Hills High School Dr. Edelberg

Sustainable Technology Award

One project will receive an award of \$300 for excellence in promoting sustainable solutions in energy, environment, or water.

Jonah M. Williams/CB.09 grade 12 Columbia High School Amy Biasucci
Sustainable Technology, 2nd Place

One project will receive an award of \$200 for second place

Rachel Triebwasser/CH.09 grade 11 Colonia High School James Danch

Rachel Triebwasser/CH.09 grade 11 Christine Anne Kim/CH.09 grade 12 Mahmoud Bachir/CH.09 grade 11

Karen Kranz Memorial Award for Independent Student Research

Two students receive an award of \$250, plus an engraved plaque, for an outstanding research project carried out without substantial help from or participation by professional scientists or engineers. The second place award is \$150. This award is now named in memory of Karen Kranz, a 20-year member of the organizing committee who passed away in 2012.

Eugene Zeng/BS.12	grade 12	Millburn H.S.	Paul Gilmore
Ji-Sung Kim/BI.07	grade 12	Bergen County Academies	Mrs. Donna Leonardi
		Second Place	

Bianca Pereira/CR.16 grade 10 Academy for Medical Science Technology Mrs. Leonardi

Four-Year NJRSF Entrant Awards

Any student who has entered the NJRSF during all four years of high school receives an award of a \$50 gift card for Borders Book Store.

Freshman NJRSF Entrant Awards

Any freshman entrant in the NJRSF receives a \$20 cash award. (note: For a team project, all team members are shown below, but the award only goes to freshman members of the team.)

Curtis Dukes/EN.09 Keyur Mehul Palan/HP.04	grade 9 grade 9	Summit High School Colonia High School	Dr. Benjamin Greene James Danch
Jonathan Robert Brigande/HP.04 Brian Madigan Demcher/HP.04	grade 9 grade 9 grade 9	Colonia High School	James Danch
Dominik Tomas Klimczak/HP.01	grade 9	Colonia High School	James Danch

Prem Trehan/HP.01	grade 9		
Melanie Ann Albanese/EV.04 Madelyn Grace Campione/EV.04 Michelle Nicole DAlessandro/EV.04	grade 9 grade 9 grade 9	Colonia High School	James Danch
Lily Lin Chu/BI.10 Jeffrey Henry Tantow/EN.07 Carolyn Wong/EN.04 Alex Choi/HP.16 Seungwoo Lee/HP.16 Sei Jin Kim/HP.16	grade 9 grade 9 grade 9 grade 10 grade 11 grade 9	Montgomery H.S. Woodbridge High School Morristown H.S. PRAFYS (Professional Research Academy	Chris Resch Tina Clarke Brian Young for Young Scientists) Jongbin Lee

CATEGORY AWARDS

Biomedical Science

1st	Jenna Rose DiRito/BI.05 Serena Tharakan/BI.05	grade 12 grade 12	Academy for Medical Science Technology
		Č	Daman County Academics
and	Ji-Sung Kim/BI.07 Ariana Rose Martino/BI.11	grade 12	Bergen County Academies
2nd 3rd	Nicole Marie Eskow/BI.08	grade 12	Academy for Medical Science Technology
Hon.Men.	Katherine Chew/BI.02	grade 11 grade 11	Bergen County Academies Academy of Science and Technology
Hon.Men.	Justin Kevin Yu/BI.01	grade 11	Academy of Science and Technology Academy of Science and Technology
	Sabina London/BI.09	-	rn Valley Regional High School at Demarest
	Saoma London/B1.09	graucorunc	in valley Regional High School at Demarcst
	Behavioral	Science	
1st	Akhil Chowdary Bandi /BS.13	grade 12	J. P. Stevens High School
	Akhil Parlapalli /BS.13	grade 12	Princeton Day School
and		•	•
2nd 3rd	Ellen Xiaobing Drennan/BS.02 Sofiya Soroka/BS.05	grade 11	Pascack Hills High School Livingston High School
Siu	Evan Nariman Tinati/BS.15	grade 12 grade 10	Pascack Valley High School
Hon.Men.	Jason Connor Stern/BS.01	grade 10 grade 10	Pascack Valley High School
Hon.Men.	Christopher Lee Souflis/BS.01	grade 10 grade 10	r ascack Tims Tigh School
	•	•	V 1 D1 : 6 11 V 1 G 1
	Moala Keshei Bannavti/BS.09	grade 11	North Plainfield High School
	Johanna Canales/BS.09	grade 11	
	Eugene Zeng/BS.12	grade 12	Millburn H.S.
		1 0.1	
	Cellular and Mole	cular Biolo	gy
1st	Joshua Abraham Meier/CB.16	grade 12	Bergen County Academies
2nd	Jonah M. Williams/CB.09	grade 12	Columbia High School
3rd	Bryan Michael Gerber/CB.10	grade 12	Watchung Hills Regional High School
	Ankitha Radakrishnan/CB.05	grade 12	Academy for Medical Science Technology
Hon.Men.	Sneha Kabaria/CB.01	grade 11	Bergen County Academies
	Scott Evan Berger/CB.07	grade 11	Pascack Hills High School
	Chemis	try	
1st	Isabella Natalie Grabski/CH.05	grade 12	Academy of Science and Technology
2nd	Rachel Triebwasser/CH.09	grade 12 grade 11	Colonia High School
2110	Christine Anne Kim/CH.09	grade 12	Colonia High School
	Mahmoud Bachir/CH.09	grade 11	
24		_	Damas Court Acad
3rd	Kellie Heom/CH.01	grade 12	Bergen County Academies
	Bhoomi Bhuptani/CH.08	grade 12	Livingston High School

Hon.Men.

Cancer Research

Cancer Research				
1st	Dongyeon Kim/CR.03	grade 12	Academy for Medical Science Technology	
150	Masaharu Ono/CR.10	grade 12	Tenafly High School	
2nd	Brianna Pereira/CR.06	grade 12	Academy for Medical Science Technology	
	Himani Patel/CR.09	grade 10	Academy of Science and Technology	
	Parth Bhargav Patel/CR.12	grade 12	Academy for Medical Science Technology	
3rd	Bianca Pereira/CR.16	grade 10	Academy for Medical Science Technology	
	Ankush Rakhit/CR.13	grade 12	Livingston High School	
Hon.Men.	Justin Trout/CR.05	grade 10	Academy for Medical Science Technology	
	Rachel Gleyzer/CR.15	grade 10	Academy of Science and Technology	
	Anna Molotkova/CR.08	grade 10	Bergen County Academies	
	Eno	ineering		
	2.119			
1st	Trisha Chadha Datta/EN.02	grade 11	Hillsborough High School	
2nd	Alexander John Kelser/EN.08	grade 11	Summit High School	
3rd	William Perry Cortes/EN.01	grade 12	Colonia High School	
Hon.Men.	John Christian Fantell/EN.05	grade 11	Colonia High School	
	Brendan Lawrence Demitus/EN.05	grade 11		
	Environn	nental Science		
1st	Abhay Srinivas/EV.22	grade 11	Watchung Hills Regional High School	
2nd	Kristen Miller/EV.15	grade 12	Summit High School	
3rd	Julia Lauren Abolafia/EV.12	grade 12	Pascack Valley High School	
	Samantha Peri Rush/EV.12	grade 11	, .	
Hon.Men.	Jerome Fratello /EV.03	grade 12	Bergen County Academies	
11011.1111.	Christopher Capasso /EV.03	grade 12	Beigen County Headennes	
	T T T T T T T T T T T T T T T T T T T	8		
General Biology				
1st	Daniela Chica/GB.05	grade 12	Colonia High School	
~-	ChangWon (Charlie) Lee/GB.10	grade 11	River Dell Regional High School	
2nd	Alon Millet/GB.03	grade 10	Bergen County Academies	
3rd	Hayley May Roy Gill/GB.06	grade 11	Colonia High School	
Hon.Men.	Annie He/GB.02	grade 12	Pascack Hills High School	
	Bianca McLean/GB.08	grade 10	Pascack Valley High School	

Health and Physiology

1st 2nd	Hee Jae (Ana) Song/HP.05 Dominik Tomas Klimczak/HP.01 Prem Trehan/HP.01	grade 12 grade 9 grade 9	Academy for Medical Science Technology Colonia High School
3rd	Ishani Vijay Khatiwala/HP.17 Rebecca Judith Rosenthal/HP.03 Mila Santos Sun-Sun Lam/HP.11 Cyrus Basseri /HP.11	grade 11 grade 10 grade 12 grade 12	Pascack Hills High School Bergen County Academies Pascack Hills High School
Hon.Men.	Daniel E Miller/HP.08 Alana Beth Smolinsky/HP.08	grade 11 grade 11	Pascack Hills High School
	Microbio	logy	
1st 2nd	Robert Michael Esposito/MB.05 Harsimran Panesar/MB.07	grade 11 grade 12	Colonia High School Watchung Hills Regional High School
3rd	Zachary Aaron Broadman/MB.06 Annie Marie Colgan/MB.06	grade 10 grade 10	Pascack Hills High School
Hon.Men.	Gabriel Lima Ribeiro/MB.04 Emily Chen Tang/MB.10	grade 10 grade 10	Summit High School Watchung Hills Regional High School
	Mathematics and	l Computers	
1st 2nd 3rd Hon.Men.	Ritesh Narayan Ragavender/MC.07 Peter Chanbo Shim/MC.11 Heather Amelia Newman /MC.09 Jessica Feiya Li /MC.14 William Kang/MC.04	grade 12 grade 11 grade 11 grade 11 grade 11	South Brunswick High School Pingry School Colonia High School Kent Place School Bergen County Academies
	Physic	es	
1st 2nd	Kelvin Wang/PH.06 Seneca Jackson Velling/PH.10 Eshan Kaul/PH.10	grade 11 grade 12 grade 11	Bergen County Academies Watchung Hills Regional High School
3rd Hon.Men.	Zachary White Collins/PH.12 Chen Ding/PH.09 Christina Paula Migliore/PH.02	grade 12 grade 11 grade 12	Watchung Hills Regional High School Watchung Hills Regional High School Tenafly High School

SPECIAL AWARDS

Special 1. Trisha Chadha Datta/EN.02	Computing Award, Grag	and Prize Hillsborough High School		
Specia 1. Dylan Herman/MC.08	d Computing Award, Fir grade 12	Pascack Hills High School		
Special 1. Heather Amelia Newman /MC.09	Computing Award, Secondary grade 11	ond Place Colonia High School		
Snecia	l Computing Award, Thi	rd Place		
1. Jessica Feiya Li /MC.14	grade 11	Kent Place School		
American	Chemical Society Award	First Place		
1. Rachel Triebwasser/CH.09	grade 11	Colonia High School		
Christine Anne Kim/CH.09	grade 12	Colonia High Benoof		
Mahmoud Bachir/CH.09	grade 11			
American Chemical Society Award, Second Place				
1. Olivia Park/CH.02	grade 12	Bergen County Academies		
Adam Taylor Berry/CH.02	grade 12			
	Chemical Society Award			
1. Bhoomi Bhuptani/CH.08	grade 12	Livingston High School		
	Field Research Award			
1. ChangWon (Charlie) Lee/GB.10	grade 11	River Dell Regional High School		
2. Anne Cheung Tang/EV.16	grade 11	North Plainfield High School		
Mateo Gilsilvetti/EV.16	grade 11	-		
Innovation Award				
1. Jonah M. Williams/CB.09	grade 12	Columbia High School		
2. Masaharu Ono/CR.10	grade 12	Tenafly High School		
American Physiological Society Award				
1. Jenna Rose DiRito/BI.05	grade 12	Academy for Medical Science Technology		
Serena Tharakan/BI.05	grade 12	,		

	Rutgers Student Awar	rd			
1. Alexa Hacopian/MB.02	grade 10	Pascack Valley High School			
2. Patricia Helena Perfect/MB.03	grade 10	Bergen County Academies			
3. Alisa Gudz/BS.03	grade 12	Livingston High School			
4. Dylan A. Sen/BS.11	grade 12	Pascack Valley High School			
5. Sohum Sanghvi/MC.02	grade 11	Bergen County Academies			
6. Sol Jay Lim/EV.13	grade 11	Bergen County Academies			
7. Eric Kim/BI.03	grade 11	Academy for Medical Science Technology			
8. Anish Ramachandra Naik/BI.12	grade 11	Millburn H.S.			
9. Lauren Jacqui Beglin/CB.02	grade 11	Bergen County Academies			
10. Sungho Lee/CH.03	grade 11	Academy of Science and Technology			
11. Carolyn Wong/EN.04	grade 9	Morristown H.S.			
12. Curtis Dukes/EN.09	grade 9	Summit High School			
13. Caroline Mariam Rafizadeh/PH.01	grade 12	Summit High School			
14. Jiyoun Jennifer Ha/PH.14	grade 12	Tenafly High School			
15. Rebecca Judith Rosenthal/HP.03	grade 10	Bergen County Academies			
16. Stacey Qi Xuan Chung/CR.20	grade 10	Academy for Medical Science Technology			
17. Zachary Justin Stier/MC.01	grade 10	Bergen County Academies			
18. Justin Reed Culshaw/GB.09	grade 12	Pascack Valley High School			
19. Tommaso M. Lombardi/GB.01	grade 11	Pascack Hills High School			
20. Emily Gwen Tulsky/EV.24	grade 10	Summit High School			
20. Daniella Batarseh/CB.03	grade 12	Academy for Medical Science Technology			
20. Joseph Lin Da/CH.07	grade 11	Watchung Hills Regional High School			
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	Statistics Award				
1. Hee Jae (Ana) Song/HP.05	grade 12	Academy for Medical Science Technology			
	Statistics Award, Second	Place			
1. Eugene Zeng/BS.12	grade 12	Millburn H.S.			
	•				
	Statistics Award, Third I				
1. Sneha Kabaria/CB.01	grade 11	Bergen County Academies			
1. Stephanie Morgan Alberti/HP.15	grade 12	Pascack Hills High School			
Taylor Muller/HP.15	grade 12				
54	atistics Arroad Hanauchle	Montion			
1. Sofiya Soroka/BS.05	atistics Award, Honorable	Livingston High School			
•	grade 12	5 5			
2. Scott Evan Berger/CB.073. Jerome Fratello /EV.03	grade 11 grade 12	Pascack Hills High School			
	<u> </u>	Bergen County Academies			
Christopher Capasso /EV.03	grade 12				
Theobald Smith Society Award in Microbiology					
Theoba	ld Smith Society Award in	Microbiology			
Theoba 1. Harsimran Panesar/MB.07					
1. Harsimran Panesar/MB.07	grade 12	Watchung Hills Regional High School			

Theobald	Smith Society Award, Honora	able Mention
1. Pallavi Revathi Patil/MB.09	grade 11	Summit High School
2. Emily Chen Tang/MB.10	grade 10	Watchung Hills Regional High School
	David S. Young Memorial Aw	ard
1. Trisha Chadha Datta/EN.02	grade 11	Hillsborough High School
	Meteorology Award	
	Jr. Division	
1. Carmen Pravia/EV.01	grade 11	North Plainfield High School
Nancy Bahnasy/EV.01	grade 10	
	Sr. Division	
1. Hayley Austin/PH.13	grade 12	Tenafly High School
	Geoscience Award	
	Jr. Division	
1. Jessica E. Schenkman/EV.11	grade 11	Tenafly High School
H	Iuman Genetics Award, First 1	Place
1. Brianna Pereira/CR.06	grade 12	Academy for Medical Science Technology
Hu	ıman Genetics Award, Second	Place
1. Ankitha Radakrishnan/CB.05	grade 12	Academy for Medical Science Technology
Intel	Excellence in Computer Scien	ce Award
	Sr. Division	
1. Kelvin Wang/PH.06	grade 11	Bergen County Academies
1. Seneca Jackson Velling/PH.10	grade 12	Watchung Hills Regional High School
Eshan Kaul/PH.10	grade 11	
	In Vitro Biology Award	
1. Justin Kevin Yu/BI.01	grade 11	Academy of Science and Technology
2. Sneha Kabaria/CB.01	grade 11	Bergen County Academies
	WEEEP Sustainable World A	ward
1. Abhay Srinivas/EV.22	grade 11	Watchung Hills Regional High School
	Material Science Award	
	Sr. Division	
1. Alec Jacob Farid/PH.04	grade 12	Millburn H.S.
1. Charlotte Rose Zuber/CH.10	grade 12	Watchung Hills Regional High School
	Mu Alpha Theta Award	
	Jr. Division	
1. Zachary Justin Stier/MC.01	grade 10	Bergen County Academies
1 Jonathan Dauglas Chan/MC 06	Sr. Division	Pargan County Academias
L LOngthon Llouging Chan/M/L 106	orodo II	Paran L'auntu Academica

grade 11

Bergen County Academies

1. Jonathan Douglas Chan/MC.06

No	OAA Pulse of the Planet Av	vard
4.0	Jr. Division	***
1. Seneca Jackson Velling/PH.10	grade 12	Watchung Hills Regional High School
Eshan Kaul/PH.10	grade 11	
	Sr. Division	
1. Benjamin M Kelser/EV.10	grade 11	Summit High School
Liam C Stewart/EV.10	grade 11	
O	office of Naval Research Aw	ard
1. Gregory David Carroll/EN.10	grade 11	Watchung Hills Regional High School
2. Abhay Srinivas/EV.22	grade 11	Watchung Hills Regional High School
3. Jonathan Douglas Chan/MC.06	grade 11	Bergen County Academies
4. Kelvin Wang/PH.06	grade 11	Bergen County Academies
4. Jiyoun Jennifer Ha/PH.14	grade 12	Tenafly High School
	Public Health Award	
	Jr. Division	
1. Evan Nariman Tinati/BS.15	grade 10	Pascack Valley High School
	Sr. Division	
1. Kristen Miller/EV.15	grade 12	Summit High School
Americ	an Psychological Association	on Award
	Jr. Division	
1. Jason Connor Stern/BS.01	grade 10	Pascack Hills High School
Christopher Lee Souflis/BS.01	grade 10	
	Sr. Division	
1. Akhil Chowdary Bandi /BS.13	grade 12	J. P. Stevens High School
Akhil Parlapalli /BS.13	grade 12	-
Ricol	n Sustainable Development	Award
Medi	Jr. Division	
1. Alon Millet/GB.03	grade 10	Bergen County Academies
	Sr. Division	
1 Alea Jacob Forid/DII 04	and 12	Millhum II C

grade 12

Millburn H.S.

1. Alec Jacob Farid/PH.04

Scientific American Award

Scientific I micround II was a				
grade 12	Bergen County Academies			
grade 12	Bergen County Academies			
grade 12	Academy of Science and Technology			
grade 12	Academy for Medical Science Technology			
grade 12	Tenafly High School			
grade 11	Hillsborough High School			
grade 11	River Dell Regional High School			
grade 12	Academy for Medical Science Technology			
grade 12	South Brunswick High School			
grade 11	Bergen County Academies			
	grade 12 grade 12 grade 12 grade 12 grade 11 grade 11 grade 12 grade 12			

Metric Award

Stockholm Junior Water Prize

Yale Science and Engineering Award

1. James Dongmin Lee/PH.03 grade 11 Bergen County Academies