

# CARNEGIE SCIENCE AWARDS

## Awardees 1997-2018

### Chairman's Award (18)

2018	Allegheny County Executive Rich Fitzgerald
2017	Chevron Appalachia, LLC
2016	Allegheny Conference on Community Development
2014	Jared L. Cohon, PhD, Carnegie Mellon University; Mark A. Nordenberg, University of Pittsburgh
2013	Ralph J. Cicerone, PhD; Harvey V. Fineberg, MD, PhD; Charles M. Vest, PhD, The National Academies
2011	ATI
2010	Thomas E. Starzle, MD, PhD
2009	Westinghouse Electric Company
2008	Robotics Institute, Carnegie Mellon University
2007	PPG Industries
2006	McGowan Institute for Regenerative Medicine
2005	FedEx Ground
2004	University of Pittsburgh Medical Center
2003	Bayer Corporation
2002	Siemens Westinghouse

### Advanced Manufacturing and Materials Award (32)

2018	Albert To, PhD, University of Pittsburgh Swanson School of Engineering
2017	Paul Ohodnicki, PhD and the Materials Science, Functional Materials Team, National Energy Technology Laboratory
2016	Prashant N. Kumta, PhD, University of Pittsburgh Swanson School of Engineering
2015	Michael Podobnik, Teletrix Corporation
2014	Fred Patterson, Kennametal Inc.
2013	Edward Argetsinger; Paul D. Jablonski, PhD; Paul Turner, National Energy Technology Laboratory Jon Stinson, Boston Scientific Corporation
2012	Adam Polcyn, PhD; Andrew Wagner, PhD; Paul Ohodnicki PhD; Paul Medwick, PhD; PPG Industries
2011	Kennametal Inc.
2010	C. Edward Eckert, PhD, Apogee Technology, Inc.
2009	Karen A. Craig; Dirk Kammermeier, PhD, Kennametal Inc.
2008	Paul Medwick, PhD; James Thiel, PhD; Andrew Wagner, PhD, PPG Industries
2007	Parag L. Hegde; Aharon Inspektor, PhD; Ronald M. Penich, Kennametal Inc.
2006	John J. Craig; F. Gary Kovac, Supply Systems, Inc.
2005	Paul Arch, NOVA Chemicals
2004	Greg W. Needham; Robert A. Erickson; William M. Long, Kennametal Inc.
2003	Ming Li, PhD, Alcoa Technical Center
2002	Baolute Ren, PhD, Alcoa Technical Center
2001	Mark H. Kryder, PhD, Carnegie Mellon University

### Advanced Materials Award (14)

- 2015 **Steven R. Little, PhD**, University of Pittsburgh Swanson School of Engineering
- 2014 **Jay Whitacre, PhD**, Carnegie Mellon University
- 2013 **David Burns**, The ExOne Company
- 2012 **Eric Beckman, PhD**, University of Pittsburgh
- 2011 **Allan Russell, PhD; Krzysztof Matyjaszewski PhD; Richard R. Koepsel PhD; Sang Beom Lee, PhD; Jinyu Huang, PhD**
- 2010 **Di Gao, PhD**, University of Pittsburgh
- 2009 **Robert Hunt, Brian Long, Rick Starcher**, Bayer MaterialScience LLC
- 2008 **Stephen F. Badylak, DVM, PhD, MD**, McGowan Institute for Regenerative Medicine

### Catalyst Award (19)

- 2015 **Rory A. Cooper, PhD**, Human Engineering Research Laboratories
- 2014 **Richard V. Piacentini**, Phipps Conservatory and Botanical Garden
- 2013 **Nancy J. Minshew, MD**, Center for Excellence in Autism Research – University of Pittsburgh
- 2012 **Illah Nourbakhsh, PhD**, Carnegie Mellon University
- 2011 **Marc Malandro, PhD**, University of Pittsburgh
- 2010 **Allegheny County Health Department**
- 2009 **Lenore Blum, PhD**, Carnegie Mellon University
- 2008 **John W. Manzetti**, Pittsburgh Life Sciences Greenhouse
- 2007 **Mark H. Kryder, PhD**, Seagate Research
- 2006 **Red Whittaker, PhD**, Robotics Institute, Carnegie Mellon University
- 2005 **Steven G. Zylstra**, Pittsburgh Technology Council and Catalyst Connection
- 2004 **Benno Bernt, PhD**, University Partners, Inc., Carnegie Mellon University
- 2003 **Alan J. Russell, PhD**, McGowan Institute for Regenerative Medicine
- 2002 **Ann Jones Gerace**, Conservation Consultants, Inc.
- 2001 **Roger C. Westman, PhD**, Allegheny County Health Department
- 2000 **Herbert L. Retcofsky**, Spectroscopy Society of Pittsburgh/Society for Analytical Chemists of Pittsburgh
- 1999 **Peter C. Johnson, MD**, TissueInformatics, Inc.
- 1998 **Jane Konrad**, Pittsburgh Regional Center for Science Teachers
- 1997 **Gary Warnock, PhD**, University Of Pittsburgh

### Catalyst for Education Award (1)

- 2011 **ASSET Inc.**

### Corporate Innovation Award (14)

- 2018 **Covestro, LLC**
- 2017 **Jessica Trybus**, Simcoach Games
- 2016 **Rhiza**
- 2015 **Aesynt**
- 2014 **Center for Innovation in Restorative Medicine**, UPMC
- 2013 **National Energy Technology Laboratory – Regional University Alliance**
- 2012 **Daedalus**
- 2011 **Plextronics, Inc.**

**2010** McGowan Institute for Regenerative Medicine  
**2009** Idea Foundry  
**2008** MEDRAD, Inc.  
**2007** Kennametal Inc.  
**2006** Vocollect, Inc.  
**2005** Marlin H. Mickle, PhD, University of Pittsburgh

#### **Elementary Educator Award (25)**

**2018** Rebecca Colangelo, South Fayette Township School District  
**2017** Allison Francis, Fox Chapel Area School District  
**2016** Jessica Huzzard, MLIS, Brooks Elementary School, Moon Area School District  
**2015** Jenna Whitney, South Allegheny Elementary School  
**2014** Danielle Kephart, Divine Redeemer School  
**2013** Shannon Merenstein, Environmental Charter School  
**2012** Paul Treacy, Armstrong School District  
**2010** Beth Cooper, Butler Area School District  
**2009** Cyndy Carroll, Canon-McMillan School District  
**2008** Marie Lowe, Lynette Zimmerman, Avella Area School District  
**2007** Susan Simmers, Pittsburgh Public Schools  
**2006** Scott Sundgren, South Fayette Township School District  
**2005** Marguerite Barger, Lisa Faddis, Jim Hopton, Bill Phillips, Jefferson-Morgan School District  
**2004** Tim Landry, Seneca Valley School District  
**2003** Mary Bertsch, Trinity Area School District  
**2002** Joy Kretzler Smith; Ed Smith, Baldwin-Whitehall School District  
**2001** Pam Varga, Blackhawk School District  
**2000** Cheryl Little, Shady Side Academy  
**1999** Todd Binnig, Franklin Regional School District  
**1998** Joan Gorsuch, Montour School District  
**1997** Charles M. Sosko, Carlynton School District

#### **Middle Level Educator Award (23)**

**2018** Mary Collins, Peters Township Middle School  
**2017** Brett Slezak, Allegheny Valley School District  
**2016** Laura Micco, Environmental Charter School  
**2015** Julie Allison, Beaver Area School District  
**2014** David Andrews, Butler Junior High School  
**2013** Howard Johnson, Charleroi Area School District  
**2012** Margie Ritson, Franklin Regional School District  
**2011** Richard Gebrosky, North Allegheny School District  
**2010** Arlynn Adamerovich, Ligonier Valley School District  
**2009** Maribeth Varganin, Quaker Valley School District  
**2008** Nancy Bires, Hermitage School District  
**2007** Cheryl Kestner, Lorraine Kuniak, James Musolino, Evelyn Quade, Mary Queen of Apostles School  
**2006** Laurie R. Ahrenholtz, North Hills School District  
**2005** Bethany Foster-Wilhelm, Pittsburgh School District  
**2004** Gary Popiolkowski, Chartiers-Houston School District  
**2003** Ed Mihalacki, Hempfield Area School District

- 2002**     **Mary Elizabeth Jaquay**, Diocese of Pittsburgh
- 2001**     **Paul Belluomini**, Hempfield Area School District
- 2000**     **Tony Magnelli**, Quaker Valley School District
- 1999**     **Doris J. Lijewski**, Diocese of Pittsburgh

**High School Educator Award (26)**

- 2018**     **Daniel Wagner**, Greene County Career & Technology Center
- 2017**     **Julia Metz, PhD**, Hopewell High School
- 2016**     **Robert Wesolowski**, Saint Joseph High School
- 2015**     **Graig Marx**, Winchester Thurston School
- 2014**     **Tim Linkenheimer; Dale Moll**, Blackhawk High School
- 2013**     **Mark Buccilli; Jennifer DiPasquale; Jackie Karenbauer**, North Hills School District
- 2012**     **Jodi King**, Chartiers Valley School District
- 2011**     **Elaine Custer**, Karns City Area School District
- 2010**     **Jeanne Campbell Suehr**, Yough School District
- 2009**     **William Diehl; Anita Schuchardt, PhD**, Shady Side Academy
- 2008**     **Ellen Wright**, Pittsburgh Public Schools
- 2007**     **Jason Lucia**, North Catholic High School, Diocese of Pittsburgh
- 2006**     **Nicholas S. Kovacic**, Greene County Career and Technology Center
- 2005**     **James G. Rutkowski**, Erie City School District
- 2004**     **Janet R. Waldeck, PhD**, South Fayette Township School District
- 2003**     **Regis P. Joseph**, Alternative Center for Education
- 2002**     **Mark Krotec**, Diocese of Pittsburgh
- 2001**     **Dan Malone**, Fox Chapel Area School District
- 2000**     **Kathy Malone**, Shady Side Academy
- 1999**     **Brian Wargo**, Freedom Area School District
- 1998**     **Sean P. Lally**, Sewickley Academy
- 1997**     **Edward F. Schroth**, Quaker Valley School District

**Leadership in STEM Education (8)**

- 2018**     **Pennsylvania Governor’s School for the Sciences (PGSS) Campaign**
- 2017**     **Leonard Kisslinger, PhD**, Carnegie Mellon University
- 2016**     **Bioinformatics Education Team**, Pittsburgh Supercomputing Center
- 2015**     **Marijke Hecht**, Pittsburgh Parks Conservancy
- 2014**     **Michael T. Lotze, MD**, University of Pittsburgh Cancer Institute
- 2013**     **James Manner, PhD; Fu-mei C. Lin, PhD**, Society for Analytical Chemists of Pittsburgh/  
Spectroscopy Society of Pittsburgh
- 2012**     **Math & Science Collaborative**

**Leadership in Career and Technical Education (3)**

- 2018**     **Rob Barclay, Shawn Golden, and Bob Mitchell**, Greene County Career & Technology Center
- 2017**     **Christine Nguyen**, Sarah Heinz House
- 2016**     **Darby L. Copeland, EdD**, Parkway West Career and Technology Center

### **School District Award (6)**

- 2011 Avella Area School District**
- 2010 Franklin Regional School District**
- 2009 Derry Area School District**
- 2008 Riverview School District**
- 2007 Jeannette City School District**
- 2006 Hopewell Area School District**

### **Special Recognition in Science Education (1)**

- 2011 John Pollock, PhD, Duquesne University**

### **Junior Division Student (21)**

- 2018 Olina Mukherjee, Kentucky Avenue School**
- 2017 Jesse Hilko, Freeport Area Middle School**
- 2016 Oscar Heller, Carson Middle School**
- 2015 Benhamin A. Bermann; James T. Votruba-Drzal, Falk Laboratory School**
- 2014 Dilan Gangopadhyay, PA Virtual Charter School**
- 2013 Orion Gangopadhyay, PA Virtual Charter School**
- 2012 Victoria LaRossa, St. Alexis School**
- 2011 Mihir Garimella, Fox Chapel School District**
- 2010 Sophia Lee, North Allegheny School District**
- 2009 Danielle Ferrer, Chartiers Valley School District**
- 2008 Sydney Lukus, Seneca Valley School District**
- 2007 Maggie Gunn, North Allegheny School District**
- 2006 Breean Gilbert, Ambridge Area School District**
- 2005 Mark Leibensperger, Pine Richland Middle School**
- 2004 Sean Broderick, Sterrett Classical Academy**
- 2003 Allysa Nagy, Shaler Area Middle School**
- 2002 Michael Andryka, Lincoln Middle School**
- 2001 Nathan Sudie, St. Joseph Regional School**
- 2000 Jennifer Cross, Mt. Nittany Middle School**
- 1999 Zachary Hartle, Hopewell Memorial Jr. High School**

### **Intermediate Division Student (18)**

- 2018 Molly Hayes, Cambria Heights Middle School**
- 2017 Amulya Garimella, Dorseyville Middle School**
- 2016 Aria Eppinger, Winchester Thurston School**
- 2015 Haley Nichols, Falk Laboratory School**
- 2014 Kevin Chen, Fort Couch Middle School**
- 2013 Taylor Robinson, Sister Thea Bowman Catholic Academy**
- 2012 Connor Mowry, Falk School**
- 2011 Xerxes Libsch, Sacred Heart Elementary School**
- 2010 Anna Henkels, St. Thomas More School**
- 2009 Adam Dando, Franklin Regional School District**

- 2008** Adam Smith, St. Thomas More School
- 2007** Pietra Bruni, St. Thomas More School
- 2006** Katie Cushma, St. Thomas More School
- 2005** Margaret Schervish, Carlow Campus School
- 2004** Lorren Kezmoh, Brentwood Middle School
- 2003** Nathan Sudie, St. Joseph Regional School
- 2002** Daniel Miller, Frick International Studies Academy
- 2001** Michael Lin, Dorseyville Middle School

#### Senior Division Student (21)

- 2018** Beatrice Milnes, Pittsburgh Allderdice High School
- 2017** Joseph Flot, Pittsburgh Science and Technology Academy
- 2016** Sophia Yurkovetsky, Pittsburgh Science and Technology Academy
- 2015** Suvir Mirchandani; Konrad Urban, Fox Chapel Area High School
- 2014** Rishi Mirchandani, Fox Chapel Area Senior High School
- 2013** Ryan Maurer, Frazier High
- 2012** Natalie Nash, Vincentian Academy
- 2011** Chareeni Kurukulasuriya, Pittsburgh Public Schools
- 2010** Sasank Chundi, Upper St. Clair School District
- 2009** Joanna Guy, Garrett County Public Schools
- 2008** Nicholas Kelley, Oil City Area School District
- 2007** Cliff Kim, North Allegheny School District
- 2006** Jessica Klabnik, Freeport Area School District
- 2005** Megan Conroy, Conroy Learning Center
- 2004** Chad Hoover, Cambria Heights High School
- 2003** Jennifer Cross, State College Area High School
- 2002** Samantha Conroy, Conroy Learning Center
- 2001** Christina Rivera, Keystone Oaks High School
- 2000** Lauren B. Sendek, McKeesport Area High School
- 1999** Catherine A. Havasi, Franklin Regional Sr. High School

#### University/Postsecondary Student (10)

- 2018** Shinjini Kundu, MD, PhD, University of Pittsburgh School of Medicine
- 2017** Genoa Warner, Carnegie Mellon University
- 2016** Elizabeth Oczypok, PhD, University of Pittsburgh
- 2015** Danielle Chirdon, Carnegie Mellon University
- 2014** Taylor D. Canady, Carnegie Mellon University
- 2013** Elaine Faith Houston, University of Pittsburgh, Human Engineering Research Laboratories
- 2012** Douglas Nelson, University of Pittsburgh
- 2011** Vineet Agrawal, McGowan Institute for Regenerative Medicine
- 2010** Bryan Brown, University of Pittsburgh, McGowan Institute for Regenerative Medicine
- 2009** Donna J. Haworth, University of Pittsburgh

#### University/Postsecondary Educator Award (30)

- 2018** James McGee, MD, University of Pittsburgh School of Medicine
- 2017** Chandralekha Singh, PhD, University of Pittsburgh

- 2016** Richard D. Bowden, PhD, Allegheny College
- 2015** David Brumley, Carnegie Mellon University, CyLab
- 2014** Thomas D. Eatmon, Jr., PhD, Allegheny College
- 2013** Steven Little, PhD, University of Pittsburgh, Swanson School of Engineering
- 2012** Melissa Bilec, PhD, Amy Landis, PhD, University of Pittsburgh
- 2011** Thad Zaleskiewicz, PhD, University of Pittsburgh Greensburg
- 2010** Alison Slinsky Legg, PhD, University of Pittsburgh
- 2009** John Mahoney, MD, University of Pittsburgh School of Medicine
- 2008** Joseph J. McCarthy, PhD; Robert S. Parker, PhD; Mary Besterfield-Sacre, PhD,  
University of Pittsburgh
- 2007** Sanjeev Shroff, PhD, University of Pittsburgh
- 2006** Jennifer Cartier, PhD, University of Pittsburgh
- 2005** Winston Erevelles, PhD, Robert Morris University
- 2004** David Yaron, PhD, Carnegie Mellon University
- 2003** Joseph J. Grabowski, PhD, University of Pittsburgh
- 2002** Karl H. Lewis, PhD, University of Pittsburgh
- 2001** Dan Budny, PhD; Rainer Johnsen, PhD; Leonard S. Kogut, PhD; George A.J. Sparling, PhD,  
University of Pittsburgh
- 2000** Alan J. Russell, PhD; Robert M. Enick, PhD; John N. Murphy, University of Pittsburgh
- 1999** Robert A. Walters, Penn State McKeesport
- 1998** George C. Bandik, PhD, University of Pittsburgh
- 1997** Frank Beatrous, PhD, University of Pittsburgh

#### **Catalyst for Professional and Community Education Award (1)**

- 2012** Evan “Jake” Waxman, MD, PhD, University of Pittsburgh

#### **Emerging Female Scientist Award (12)**

- 2018** Kara Bernstein, PhD, University of Pittsburgh School of Medicine
- 2017** Kathryn Whitehead, PhD, Carnegie Mellon University
- 2016** Susanne E. Ahmari, MD, PhD, University of Pittsburgh
- 2015** Shirley Ho, PhD, Carnegie Mellon University, Department of Physics
- 2014** Peijun Zhang, PhD, University of Pittsburgh School of Medicine
- 2013** Xinyan Tracy Cui, PhD, Department of Bioengineering, University of Pittsburgh
- 2012** Lillian Chong, PhD, University of Pittsburgh
- 2011** Sara Majetich, PhD, Carnegie Mellon University
- 2010** Charleen Chu, MD, PhD, University of Pittsburgh
- 2009** Priya Narasimhan, PhD, Carnegie Mellon University
- 2008** Tiziana Di Matteo, PhD, Carnegie Mellon University
- 2007** Kay M. Brummond, PhD, University of Pittsburgh

#### **Engineer Award (4)**

- 2000** Karen A. Barbac; Stella A. Raduch; Kurt G. Olson, PhD, PPG Industries Research Team
- 1999** W. Scott Smith, PhD, Contraves Brashear Systems

### Start-Up Entrepreneur Award (13)

- 2018 **Bryan Salesky**, Argo AI
- 2017 **Dick Zhang**, Identified Technologies
- 2016 **Jorgen Pedersen**, RE2 Robotics
- 2015 **Ananya Cleetus**, Magikstra
- 2014 **Don Charlton**, The Resumator
- 2013 **Patrick Daly**, Cohera Medical
- 2012 **Nicholas Kuhn**, ALung Technologies Inc.
- 2011 **Jeff Mullen**, MBA, JD, Dynamics Inc.
- 2010 **Razi Imam**, Landslide Technologies, Inc.
- 2009 **David Palmer**, ClearCount Medical Solutions
- 2008 **John Shearer**, Powercast Corporation
- 2006 **Richard D. Mccullough, PhD**, Carnegie Mellon University and Plextronics, Inc.
- 2005 **Keith LeJeune, PhD**, Agentase LLC

### Entrepreneur Award (22)

- 2018 **Robb Myer, Luke Panza, Richard Colvin, and James Belt**, Nowait
- 2017 **Joe Ferrara**, Wombat Security Technologies, Inc.
- 2016 **Craig Markovitz**, Blue Belt Technologies, Inc.
- 2015 **Jesse Schell**, Schell Games
- 2014 **Christine Robins**, BodyMedia
- 2013 **Raul Valdes-Perez; Jerome Pesenti**, Vivisimo
- 2012 **Henry Thorne**, Thorley Industries
- 2011 **Michael Finke**, M\*Modal
- 2010 **Lalit Chordia**, Thar Technologies, Inc.
- 2009 **D. Raja**, Computer Enterprises, Inc.
- 2008 **Rich Lunak**, Innovation Works, Inc.
- 2007 **Ronald P. Bianchini, Jr., PhD**, Network Appliances, Inc.
- 2006 **Lawrence Rhoades**, The Ex One Company
- 2005 **Peter M. DeComo**, Renal Solutions, Inc.
- 2004 **Gerald McGinnis**, Respiroics, Inc.
- 2003 **Alfred A. Kuehn, PhD**, Management Science Associates, Inc.
- 2002 **D. Lansing Taylor, PhD**, Cellomics, Inc.
- 2001 **M. Stephen Heilman, MD**, Medrad, Inc.
- 2000 **Glen T. Meakem**, Freemarkets
- 1999 **Sean McDonald**, Automated Healthcare, Inc.
- 1998 **Paul L. Kornblith**, MD, Precision Therapeutics, Incorporated
- 1997 **Eric Cooper, PhD**, Fore Systems

### Environmental Award (18)

- 2018 **Terry Collins, PhD**, Carnegie Mellon University Department of Chemistry
- 2017 **Neil Donahue, PhD**, Carnegie Mellon University
- 2016 **Albert Presto, PhD**, Carnegie Mellon University
- 2015 **Jeanne M. VanBriesen, PhD, PE**, Carnegie Mellon University,  
Department of Civil and Environmental Engineering
- 2014 **Xu Liang, PhD**, Swanson School of Engineering, University of Pittsburgh



- 2013**     **Robert Enick, PhD**, NETL RUA and Chemical and Petroleum Engineering, University of Pittsburgh
- 2012**     **Tom Joseph**, Epiphany Solar Water Systems
- 2011**     **Karen Foltz**, Vox Energy Solutions
- 2010**     **Devra Davis, PhD**, Environmental Health Trust
- 2009**     **Rebecca Flora, AICP, LEED, AP**, Green Building Alliance
- 2008**     **Richard V. Piacentini**, Phipps Conservatory and Botanical Gardens
- 2007**     **Mascaro Sustainability Initiative**, University of Pittsburgh
- 2006**     **Pittsburgh Parks Conservancy**
- 2005**     **Margaret H. Dunn**, Stream Restoration Incorporated
- 2004**     **Eric J. Beckman, PhD**, University of Pittsburgh
- 2003**     **Robert S. Hedin, PhD**, Iron Oxide Recovery, Inc.
- 2002**     **James T. Cobb, Jr., PhD**, University of Pittsburgh
- 2001**     **Bernard P. Breen, PhD**, Energy Systems Associates

### Information Technology Award (18)

- 2018**     **Tom Galluzzo, PhD**, IAM Robotics
- 2017**     **Alex Jones, PhD**, University of Pittsburgh
- 2016**     **Touchtown, Inc.**
- 2015**     **Luis von Ahn, PhD**, Duolingo
- 2014**     **Ronald P. Bianchini, Jr., PhD**, Avere Systems
- 2013**     **Mark DeSantis**, kWantera, Inc.
- 2012**     **David Sharbaugh**, SmartRoom
- 2011**     **Raj Rajkumar, PhD**, Carnegie Mellon University
- 2010**     **Luis von Ahn**, Carnegie Mellon University
- 2009**     **Peter Feiler, PhD**, Software Engineering Institute, Carnegie Mellon University
- 2008**     **Entertainment Technology Center**, Carnegie Mellon University
- 2007**     **Sridhar Tayur, PhD**, SmartOps®
- 2006**     **Raul Valdes-Perez, PhD**, Vivisimo, Inc.
- 2005**     **Richard Pethia**, Software Engineering Institute
- 2004**     **Tuomas Sandholm, PhD**, CombineNet, Inc.
- 2003**     **Asim Smailagic, PhD**, Carnegie Mellon University
- 2002**     **Kenneth M. Sochats**, University of Pittsburgh
- 2001**     **Linda M. Northrop**, Software Engineering Institute, Carnegie Mellon University

### Innovation in Energy (3)

- 2018**     **Caine Finnerty, PhD**, WATT Fuel Cell Corporation
- 2017**     **Kevin Chen, PhD**, University of Pittsburgh
- 2016**     **Shiwoo Lee, PhD**, U.S. DOE National Energy Technology Laboratory / AECOM

### Life Sciences Award (19)

- 2018**     **Peter L. Strick, PhD**, University of Pittsburgh Brain Institute
- 2017**     **John Kellum, PhD**, University of Pittsburgh
- 2016**     **Rocky S. Tuan, PhD**, University of Pittsburgh School of Medicine
- 2015**     **Yadong Wang, PhD**, University of Pittsburgh Swanson School of Engineering  
Pittsburgh Biomaterials Foundry

- 2014** **Angela M. Gronenborn, PhD**, Department of Structural Biology, University of Pittsburgh School of Medicine
- 2013** **David A. Vorp, PhD**, Swanson School of Engineering, University of Pittsburgh
- 2012** **Joel L. Schuman, MD**, University of Pittsburgh
- 2011** **Massimo Trucco, MD**, University of Pittsburgh, Children's Hospital of Pittsburgh of UPMC
- 2010** **Andrew Schwartz, PhD**, University of Pittsburgh School of Medicine
- 2009** **Yuan Chang, MD; Patrick Moore, MD, MPH**, University of Pittsburgh Cancer Institute
- 2008** **William R. Wagner, PhD**, University of Pittsburgh
- 2007** **Harvey S. Borovetz, PhD**, University of Pittsburgh
- 2006** **Savio L-Y. Woo, PhD, D.Sc (Hon.)** Musculoskeletal Research Center, Department Of Bioengineering, University of Pittsburgh
- 2005** **Stephen F. Badylak, DVM, PhD, MD**, McGowan Institute for Regenerative Medicine
- 2004** **John W. Mellors, MD**, University of Pittsburgh School of Medicine
- 2003** **Robert B. Herberman, MD**, University of Pittsburgh Cancer Institute
- 2002** **Paul Chang, MD**, University of Pittsburgh School of Medicine
- 2001** **Alan S. Waggoner, PhD**, Carnegie Mellon University

#### Science Communicator Award (17)

- 2018** **Gina Catanzarite**, Arania Productions
- 2017** **Beth Skwarecki**, *Lifehacker*/ Freelance
- 2016** **Deborah D. Stine**, Carnegie Mellon University
- 2015** **Kathleen Knauer**, *The Allegheny Front*
- 2014** **Elaine Vitone**, *Pitt Med Magazine*, University of Pittsburgh School of Medicine
- 2013** **Joe Ballay; Peter Lucas, PhD; Mickey McManus**, MAYA Design, Inc.
- 2012** **Timothy Puko**, *Pittsburgh Tribune-Review*
- 2011** **Reid Frazier**
- 2010** **Andrew Conte; Luis Fabregas**, *Pittsburgh Tribune-Review*
- 2009** **Joe Miksch**, *Pitt Med Magazine*, University of Pittsburgh
- 2008** **Kenneth Chiacchia, PhD**, University of Pittsburgh Medical Center
- 2007** **Cara J. Hayden**, *Pitt Magazine*, University of Pittsburgh
- 2006** **Bayer Corporation and its Making Science Make Sense® annual research project, the Bayer Facts Of Science Education survey**
- 2005** **Jennifer Bails**, *Pittsburgh Tribune-Review*

#### Scientist Award (9)

- 2000** **Zoltan J. Cendes, PhD**, Ansoft Corporation
- 1999** **Michael L. Bussler**, Algor, Inc.
- 1998** **T.E. Schlesinger, PhD; Daniel D. Stancil, PhD**, Carnegie Mellon University and Applied Electro-Optics Corporation
- 1997** **C. Erik Bauer; George P. Grab; Aharon Inspektor, PhD; William M. Melago; Edward J. Oles;** Kennametal Inc.

#### Special Achievement in Environmental Education (3)

- 2010** **Laura Branby; Wendy Kedzierski; Jim Palmer**, Creek Connections, Allegheny College

# **CARNEGIE SCIENCE AWARDS**

## **Honorable Mentions 1997-2018**

### **Advanced Manufacturing & Materials Award Honorable Mention (13)**

- 2018** Antonio D'Amore, PhD, McGowan Institute for Regenerative Medicine, University of Pittsburgh
- 2004** Dan Krinock, Airo Die Casting; **Joseph R. Pickens, PhD**, Concurrent Technologies Corporation  
**Aharon Inspektor, PhD; Ronald M. Penich; Allen E. Poponick; Parag L. Hegde; Charles J. Petrosky;**  
**John R. Winebrenner**, Kennametal Inc.
- 2003** Robert A. Erickson; **William M. Long; Greg W. Needham**, Kennametal Inc.  
**Joseph R. Pickens, PhD**, Concurrent Technologies Corporation

### **Catalyst Award Honorable Mention (8)**

- 2011** Illah Nourbakhsh, PhD, Carnegie Mellon University
- 2010** Terrence Collins, PhD, Institute for Green Chemistry, Carnegie Mellon University
- 2009** Marc S. Malandro, PhD, CLP, University of Pittsburgh
- 2008** Louis Piconi, Apangea Learning, Inc.
- 2005** V. Michael Mautino, Bayer MaterialScience LLC
- 2004** Rita A. Bajura, National Energy Technology Laboratory
- 2003** Arthur S. Levine, MD; **Margaret C. McDonald, PhD**, University of Pittsburgh School of Health Sciences

### **Corporate Innovation Award Honorable Mention (8)**

- 2017** Dick Zhang, Identified Technologies
- 2016** Simcoach Games
- 2015** Rhiza, Inc.
- 2012** Seegrid Corporation
- 2010** Plextronics, Inc.
- 2008** Idea Foundry
- 2006** Kennametal Inc.
- 2005** Vocollect, Inc.

### **Elementary Educator Award Honorable Mention (10)**

- 2018** Jeffrey Patrick, Med, Propel Schools Homestead
- 2017** Dave Tomko, Sharon City School District
- 2015** Michele Thomas, Kiski Area School District
- 2014** Carol Fraser, Highlands School District
- 2013** Danielle Kephart, Divine Redeemer School
- 2010** Daniel Arnold, Laurel Highlands School District

- 2006** Kevin Rorabaugh, Shenango Area School District
- 2005** Sheila Wagner, North Allegheny School District
- 2004** Susan H. Casker, Seneca Valley School District  
Gerry Lewis, Bayer Corporation

**Middle Level Educator Award Honorable Mention (13)**

- 2018** Debbie Reynolds, Baldwin-Whitehall School District
- 2017** Brian Grindle, Yough Intermediate Middle School
- 2016** Robin Whitaker, Chartiers Valley School District
- 2007** Nancy Bires, Hermitage School District
- 2006** Al Dorsch, Shenango Area School District
- 2005** Laurie R. Ahrenholtz, North Hills School District  
Cynthia K. Ollendyke, Peters Township School District
- 2004** Mary Elizabeth Bigney, DuBois Area School District  
Kathleen Spencer, Providence Heights Alpha School  
Frank Maykuth; Debbie Petrun; Dennis Schiffbauer, Albert Gallatin School District
- 2003** James Stearns, Shaler Area School District

**High School Educator Award Honorable Mention (12)**

- 2018** James Hausman, South Fayette Township School District
- 2017** Fred Peskorski, Upper St. Clair School District
- 2015** Volunteer Advisors of the Seneca Valley Chapter of the Science National Honor Society
- 2014** Brian E. Ludwig, Riverview School District
- 2012** James Cassandro, North Hills School District
- 2010** Evelyn Breitgan, Avella Area Junior/Senior High School  
Jade Leung, Shaler Area High School
- 2009** Jeanne Campbell Suehr, Yough School District
- 2006** Jason Lucia, North Catholic High School, Diocese of Pittsburgh
- 2005** Nicholas S. Kovacic, Greene County Career and Technology Center
- 2004** James G. Rutkowski, Erie City School District
- 2003** Janet R. Waldeck, PhD, South Fayette Township School District

**Leadership in STEM Education Honorable Mention (1)**

- 2018** Investing NOW, a program of the University of Pittsburgh Swanson School of Engineering

**Leadership in Career and Technical Education Honorable Mention (2)**

- 2017** Daniel Wagner, Greene County Career and Technology Center
- 2016** Guy C. Berry, PhD, Carnegie Mellon University

**University/Post-Secondary Educator Award Honorable Mention (27)**

- 2018** Jonathan Lewis, PhD, Indiana University of Pennsylvania Department of Geoscience

- 2017 **Dr. Peyman Givi**, University of Pittsburgh; **Dr. Conrad Zapanta**, Carnegie Mellon University
- 2016 **Mark T. Stauffer, PhD**, University of Pittsburgh at Greensburg
- 2014 **Steven Abramowitch**, Swanson School of Engineering
- 2013 **Thomas Eatmon**, Allegheny College  
**Edward Schroth**, Duquesne University, Center for Environmental Research and Education
- 2011 **Melissa Bilec, PhD; Amy Landis, PhD**, University of Pittsburgh
- 2010 **Thad Zaleskiewicz, PhD**, University of Pittsburgh at Greensburg
- 2009 **Wendy Kedzierski; Jim Palmer**, Creek Connections, Allegheny College  
**Alison Slinsky Legg, PhD**, University of Pittsburgh
- 2008 **Michelle Blanken**, Bidwell Training Center
- 2007 **Susan Finger, PhD**, Carnegie Mellon University; **Edward Zovinka, PhD**, Saint Francis University
- 2006 **Jay Hosler, PhD**, Juniata College
- 2005 **Chandralekha Singh, PhD**, University of Pittsburgh  
**Karen H. Stump**, Mellon College of Science, Carnegie Mellon University
- 2004 **Joseph J. McCarthy, PhD**, University of Pittsburgh  
**Mary-Besterfield-Sacre, PhD; Bopaya Bidanda, PhD; Rabikar Chatterjee, PhD; Michael Lovell, PhD; Marlin Mickle, PhD; Larry Shuman, PhD**, Product Realization Team, University of Pittsburgh
- 2003 **Paul S. Steif, PhD**, Carnegie Mellon University

#### University/Post-Secondary Student Honorable Mention (6)

- 2017 **Alexandra To and Neil Carlton**, Carnegie Mellon University
- 2015 **Sarah Kochanek**, Duquesne University
- 2012 **Sam Rothstein**, University of Pittsburgh
- 2011 **Southwest PA Chapter of the American Meteorological Society at CalU**
- 2009 **Donna J. Haworth**, University of Pittsburgh

#### Emerging Female Scientist Award Honorable Mention (9)

- 2017 **Kara Anne Bernstein, PhD**, University of Pittsburgh School of Medicine
- 2016 **Inês Azevedo, PhD**, Carnegie Mellon University
- 2015 **Fabrisia Ambrosio, PhD**, University of Pittsburgh, Department of Physical Medicine and Rehabilitation
- 2012 **Shelley Anna, PhD**, Carnegie Mellon University
- 2011 **Mary Koes**, Thorley Industries
- 2010 **Alison Barth, PhD**, Carnegie Mellon University; **Kacey Marra, PhD**, University of Pittsburgh
- 2009 **Charleen T. Chu, MD, PhD**, University of Pittsburgh
- 2007 **Vera Donnenberg, PhD**, Hillman Cancer Center

#### Start-Up Entrepreneur Award Honorable Mention (9)

- 2018 **Hahna Alexander**, SolePower
- 2015 **Robb Myer**, NoWait
- 2014 **William J. Federspiel**, University of Pittsburgh, McGowan Institute; **Jay Whitacre**, Aquion Energy, Inc.
- 2013 **Mike Formica**, threeRivers 3D, Inc.
- 2012 **Tracy Brown**, Evil Genius Designs
- 2011 **Nick Kuhn, MBA**, ALung Technologies
- 2010 **Patrick Daly**, Cohera Medical, Inc.
- 2009 **Patrick Daly**, Cohera Medical, Inc.

### **Entrepreneur Award Honorable Mention (11)**

- 2018** Jason Wolfe, Giftcards.com and GiftCardGranny LLC
- 2017** Jessica Trybus, Simcoach Games
- 2016** Mark Evans, Confluence
- 2015** Susan and Eric Koger, ModCloth
- 2014** Jesse Schell, Schell Games; Luis von Ahn, Duolingo
- 2013** Jesse Schell, Schell Games
- 2012** Saul Shiffman, PhD, Invivodata, Inc.
- 2011** Henry Thorne, Thorley Industries
- 2009** Lalit Chordia, Thar Technologies, Inc.

### **Environmental Award Honorable Mention (15)**

- 2018** Paul Scerri, PhD, Platypus
- 2017** Dr. Emily Elliot, University of Pittsburgh
- 2016** Dr. Natalie Pekney, National Energy Technology Laboratory
- 2015** Ronald Gdovic, WindStax Wind Power Systems
- 2014** Ravi Chidambaran, Aquatech International Corp
- 2013** Mont Handley, Pittmoss Development Company, LLC; Emily Elliot, University of Pittsburgh
- 2012** Gregory Lowry, PhD, Carnegie Mellon University
- 2011** Gregory Lowry, PhD, Carnegie Mellon University
- 2010** Gregory Lowry, PhD, Carnegie Mellon University
- 2008** Rebecca Flora, AICP, LEED, AP, Green Building Alliance
- 2006** Slippery Rock Watershed Coalition
- 2005** Angela Belli, St. Vincent College
- 2004** Margaret H. Dunn, Stream Restoration Incorporated
- 2003** Margaret H. Dunn, Stream Restoration Incorporated

### **Information Technology Award Honorable Mention (2)**

- 2005** Sridhar Tayur, PhD, Tepper School of Business, Carnegie Mellon University
- 2004** Richard Pethia, Software Engineering Institute, Carnegie Mellon University

### **Innovation in Energy Award Honorable Mention (3)**

- 2018** Gregory Reed, PhD, University of Pittsburgh Swanson School of Engineering; Hahna Alexander, SolePower
- 2016** Ronald Gdovic, PhD, WindStax Wind Power Systems

### **Life Sciences Award Honorable Mention (2)**

- 2005** Savio L-Y. Woo, PhD, D.Sc (Hon.) Musculoskeletal Research Center, Department Of Bioengineering, University of Pittsburgh
- 2003** John Mellors, MD, University of Pittsburgh School of Medicine

## Science Communicator Honorable Mention (10)

- 2018 **Jason Bittel**, Freelance Writer
- 2017 **Jess Bergson and Katie Grennan**, Arts Management and Technology Lab
- 2016 **Robyn K. Coggins**, *Pitt Med Magazine*
- 2014 **Mary Ann Thomas**, *Trib Total Media*
- 2012 **Lou Kilzer**, *Pittsburgh Tribune Review*; **Pierina Morelli**, WQED Multimedia
- 2010 **Jeff Fraser**, *Pittsburgh Quarterly*
- 2008 **Joe Miksch**, *Pitt Med Magazine*, University of Pittsburgh
- 2007 **Kenneth Chiacchia, PhD**, University of Pittsburgh Medical Center