Awardees 1997-2019

Chairman's Award (19)

2019  Remake Learning
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. Starzl, 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 (33)

2019  Permeability Engineering Through Strain Annealing Team, National Energy Technology Laboratory
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.
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
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, TissuelInformatics, 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 (15)

2019 Highmark Health’s VITAL Innovation Platform
2018 Covestro, LLC
2017 Jessica Trybus, Simcoach Games
2016 Rhiza
<table>
<thead>
<tr>
<th>Year</th>
<th>Institution/Person/Title</th>
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<tbody>
<tr>
<td>2015</td>
<td>Aesynt</td>
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<tr>
<td>2014</td>
<td>Center for Innovation in Restorative Medicine, UPMC</td>
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<td>2013</td>
<td>National Energy Technology Laboratory – Regional University Alliance</td>
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<td>2012</td>
<td>Daedalus</td>
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<tr>
<td>2011</td>
<td>Plextronics, Inc.</td>
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<tr>
<td>2010</td>
<td>McGowan Institute for Regenerative Medicine</td>
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<td>2009</td>
<td>Idea Foundry</td>
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<td>2008</td>
<td>MEDRAD, Inc.</td>
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<td>2007</td>
<td>Kennametal Inc.</td>
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<td>2006</td>
<td>Vocollect, Inc.</td>
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<td>2005</td>
<td>Marlin H. Mickle, PhD, University of Pittsburgh</td>
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</tbody>
</table>

**Elementary Educator Award (26)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name, School</th>
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</thead>
<tbody>
<tr>
<td>2019</td>
<td>Jeffrey Patrick, Propel Schools Homestead</td>
</tr>
<tr>
<td>2018</td>
<td>Rebecca Colangelo, South Fayette Township School District</td>
</tr>
<tr>
<td>2017</td>
<td>Allison Francis, Fox Chapel Area School District</td>
</tr>
<tr>
<td>2016</td>
<td>Jessica Huzzard, MLIS, Brooks Elementary School, Moon Area School District</td>
</tr>
<tr>
<td>2015</td>
<td>Jenna Whitney, South Allegheny Elementary School</td>
</tr>
<tr>
<td>2014</td>
<td>Danielle Kephart, Divine Redeemer School</td>
</tr>
<tr>
<td>2013</td>
<td>Shannon Merenstein, Environmental Charter School</td>
</tr>
<tr>
<td>2012</td>
<td>Paul Treacy, Armstrong School District</td>
</tr>
<tr>
<td>2010</td>
<td>Beth Cooper, Butler Area School District</td>
</tr>
<tr>
<td>2009</td>
<td>Cyndy Carroll, Canon-McMillan School District</td>
</tr>
<tr>
<td>2008</td>
<td>Marie Lowe, Lynette Zimmerman, Avella Area School District</td>
</tr>
<tr>
<td>2007</td>
<td>Susan Simmers, Pittsburgh Public Schools</td>
</tr>
<tr>
<td>2006</td>
<td>Scott Sundgren, South Fayette Township School District</td>
</tr>
<tr>
<td>2004</td>
<td>Tim Landry, Seneca Valley School District</td>
</tr>
<tr>
<td>2003</td>
<td>Mary Bertsch, Trinity Area School District</td>
</tr>
<tr>
<td>2002</td>
<td>Joy Kretzler Smith; Ed Smith, Baldwin-Whitehall School District</td>
</tr>
<tr>
<td>2001</td>
<td>Pam Varga, Blackhawk School District</td>
</tr>
<tr>
<td>2000</td>
<td>Cheryl Little, Shady Side Academy</td>
</tr>
<tr>
<td>1999</td>
<td>Todd Binnig, Franklin Regional School District</td>
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<tr>
<td>1998</td>
<td>Joan Gorsuch, Montour School District</td>
</tr>
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<td>1997</td>
<td>Charles M. Sosko, Carlynton School District</td>
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</tbody>
</table>

**Middle Level Educator Award (24)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name, School</th>
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</thead>
<tbody>
<tr>
<td>2019</td>
<td>Deborah Reynolds, Med, Baldwin-Whitehall School District</td>
</tr>
<tr>
<td>2018</td>
<td>Mary Collins, Peters Township Middle School</td>
</tr>
<tr>
<td>2017</td>
<td>Brett Slezak, Allegheny Valley School District</td>
</tr>
<tr>
<td>2016</td>
<td>Laura Micco, Environmental Charter School</td>
</tr>
<tr>
<td>2015</td>
<td>Julie Allison, Beaver Area School District</td>
</tr>
<tr>
<td>2014</td>
<td>David Andrews, Butler Junior High School</td>
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<tr>
<td>2013</td>
<td>Howard Johnson, Charleroi Area School District</td>
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<tr>
<td>2012</td>
<td>Margie Ritson, Franklin Regional School District</td>
</tr>
<tr>
<td>2010</td>
<td>Arlynn Amerovitch, Ligonier Valley School District</td>
</tr>
</tbody>
</table>
High School Educator Award (27)

2019  Stephanie Reilly, Fox Chapel Area School District
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. Kovac, 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 (9)

2019  Community College of Beaver County High School Academies
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 (4)

2019 University of Pittsburgh Manufacturing Assistance Center
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 (22)

2019 Summer Hartman, Baden Academy Charter School
2018 Oлина 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
2009 Danielle Ferrer, Chartiers Valley School District
2008 Sydney Lukus, Seneca Valley 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 (19)

2019  Olina Mukherjee, Kentucky Avenue School
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 (22)

2019  Eleanor Barth-Wu, The Ellis School
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
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
College/University Student (11)

2019  Harold Rickenbacker, University of Pittsburgh
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 (31)

2019  Sarah K. Woodley, PhD, Duquesne University
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 Slinskey 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 (14)

2019 Eric Xing, Petuum
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
2005 Keith LeJeune, PhD, Agentase LLC

Entrepreneur Award (23)

2019 Jason Wolfe, Wolfe, LLC
2018 Robb Myer, Luke Panza, Richard Colvin, and James Belt, Nowait
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
<table>
<thead>
<tr>
<th>Year</th>
<th>Name and Affiliation</th>
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</thead>
<tbody>
<tr>
<td>2010</td>
<td>Lalit Chordia, Thar Technologies, Inc.</td>
</tr>
<tr>
<td>2009</td>
<td>D. Raja, Computer Enterprises, Inc.</td>
</tr>
<tr>
<td>2007</td>
<td>Ronald P. Bianchini, Jr., PhD, Network Appliances, Inc.</td>
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<tr>
<td>2006</td>
<td>Lawrence Rhoades, The Ex One Company</td>
</tr>
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<td>2005</td>
<td>Peter M. DeComo, Renal Solutions, Inc.</td>
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<td>2004</td>
<td>Gerald McGinnis, Respirationics, Inc.</td>
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<tr>
<td>2002</td>
<td>D. Lansing Taylor, PhD, Cellomics, Inc.</td>
</tr>
<tr>
<td>2001</td>
<td>M. Stephen Heilman, MD, Medrad, Inc.</td>
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<td>2000</td>
<td>Glen T. Meakem, Freemarkets</td>
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<tr>
<td>1999</td>
<td>Sean McDonald, Automated Healthcare, Inc.</td>
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<td>1998</td>
<td>Paul L. Kornblith, MD, Precision Therapeutics, Incorporated</td>
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<td>1997</td>
<td>Eric Cooper, PhD, Fore Systems</td>
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Environmental Award (19)

<table>
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<tr>
<th>Year</th>
<th>Name and Affiliation</th>
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<tr>
<td>2019</td>
<td>Patricia M. DeMarco, PhD, Borough of Forest Hills</td>
</tr>
<tr>
<td>2018</td>
<td>Terry Collins, PhD, Carnegie Mellon University Department of Chemistry</td>
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<tr>
<td>2017</td>
<td>Neil Donahue, PhD, Carnegie Mellon University</td>
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<td>2016</td>
<td>Albert Presto, PhD, Carnegie Mellon University</td>
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<tr>
<td>2015</td>
<td>Jeanne M. VanBriesen, PhD, PE, Carnegie Mellon University, Department of Civil and Environmental Engineering</td>
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<tr>
<td>2014</td>
<td>Xu Liang, PhD, Swanson School of Engineering, University of Pittsburgh</td>
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<tr>
<td>2013</td>
<td>Robert Enick, PhD, NETL RUA and Chemical and Petroleum Engineering, University of Pittsburgh</td>
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<td>2012</td>
<td>Tom Joseph, Epiphany Solar Water Systems</td>
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<tr>
<td>2011</td>
<td>Karen Foltz, Vox Energy Solutions</td>
</tr>
<tr>
<td>2010</td>
<td>Devra Davis, PhD, Environmental Health Trust</td>
</tr>
<tr>
<td>2009</td>
<td>Rebecca Flora, AICP, LEED, AP, Green Building Alliance</td>
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<tr>
<td>2008</td>
<td>Richard V. Piacentini, Phipps Conservatory and Botanical Gardens</td>
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<td>2007</td>
<td>Mascaro Sustainability Initiative, University of Pittsburgh</td>
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<td>2006</td>
<td>Pittsburgh Parks Conservancy</td>
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<td>2005</td>
<td>Margaret H. Dunn, Stream Restoration Incorporated</td>
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<td>2004</td>
<td>Eric J. Beckman, PhD, University of Pittsburgh</td>
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<td>2003</td>
<td>Robert S. Hedin, PhD, Iron Oxide Recovery, Inc.</td>
</tr>
<tr>
<td>2002</td>
<td>James T. Cobb, Jr., PhD, University of Pittsburgh</td>
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<td>2001</td>
<td>Bernard P. Breen, PhD, Energy Systems Associates</td>
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Information Technology Award (19)

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<tr>
<th>Year</th>
<th>Name and Affiliation</th>
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<tbody>
<tr>
<td>2019</td>
<td>412 Food Rescue</td>
</tr>
<tr>
<td>2018</td>
<td>Tom Galluzzo, PhD, IAM Robotics</td>
</tr>
<tr>
<td>2017</td>
<td>Alex Jones, PhD, University of Pittsburgh</td>
</tr>
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<td>2016</td>
<td>Touchtown, Inc.</td>
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<td>2015</td>
<td>Luis von Ahn, PhD, Duolingo</td>
</tr>
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<td>2014</td>
<td>Ronald P. Bianchini, Jr., PhD, Avere Systems</td>
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<tr>
<td>2013</td>
<td>Mark DeSantis, kWantera, Inc.</td>
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<td>2012</td>
<td>David Sharbaugh, SmartRoom</td>
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<tr>
<td>2011</td>
<td>Raj Rajkumar, PhD, Carnegie Mellon University</td>
</tr>
</tbody>
</table>
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 (4)

2019  Global Oil and Gas Infrastructure Team, National Energy Technology Laboratory
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 (20)

2019  William Kepler Whiteford, PhD, University of Pittsburgh
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 (18)

2019  Niki Kapsambelis, Simon & Schuster
2018  Gina Catanzarite, Arania Productions
2017  Beth Skwarecki, Lifehacker/ Freelance
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<tr>
<th>Year</th>
<th>Name</th>
<th>Organization/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>Deborah D. Stine, Carnegie Mellon University</td>
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<tr>
<td>2015</td>
<td>Kathleen Knauer, <em>The Allegheny Front</em></td>
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<tr>
<td>2014</td>
<td>Elaine Vitone, <em>Pitt Med Magazine</em>, University of Pittsburgh School of Medicine</td>
<td></td>
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<tr>
<td>2013</td>
<td>Joe Ballay; Peter Lucas, PhD; Mickey McManus, MAYA Design, Inc.</td>
<td></td>
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<tr>
<td>2012</td>
<td>Timothy Puko, <em>Pittsburgh Tribune-Review</em></td>
<td></td>
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<tr>
<td>2011</td>
<td>Reid Frazier</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>Andrew Conte; Luis Fabregas, <em>Pittsburgh Tribune-Review</em></td>
<td></td>
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<tr>
<td>2009</td>
<td>Joe Miksch, <em>Pitt Med Magazine</em>, University of Pittsburgh</td>
<td></td>
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<tr>
<td>2008</td>
<td>Kenneth Chiacchia, PhD, University of Pittsburgh Medical Center</td>
<td></td>
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<tr>
<td>2007</td>
<td>Cara J. Hayden, <em>Pitt Magazine</em>, University of Pittsburgh</td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>Bayer Corporation and its Making Science Make Sense® annual research project, the <em>Bayer Facts Of Science Education</em> survey</td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td>Jennifer Bails, <em>Pittsburgh Tribune-Review</em></td>
<td></td>
</tr>
</tbody>
</table>

**Scientist Award (9)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Organization/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>Zoltan J. Cendes, PhD, Ansoft Corporation</td>
<td></td>
</tr>
<tr>
<td>1999</td>
<td>Michael L. Bussler, Algor, Inc.</td>
<td></td>
</tr>
<tr>
<td>1998</td>
<td>T.E. Schlesinger, PhD; Daniel D. Stancil, PhD, Carnegie Mellon University and Applied Electro-Optics Corporation</td>
<td></td>
</tr>
<tr>
<td>1997</td>
<td>C. Erik Bauer; George P. Grab; Aharon Inspektor, PhD; William M. Melago; Edward J. Oles; Kennametal Inc.</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Organization/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>Laura Branby; Wendy Kedzierski; Jim Palmer, Creek Connections, Allegheny College</td>
<td></td>
</tr>
</tbody>
</table>
CARNEGIE SCIENCE AWARDS

Honorable Mentions 1997-2019

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, Indetified Technologies
2016  Simcoach Games
2015  Rhiza, Inc.
2012  Seegrid Corporation
2010  Plextronics, Inc.
2008  Idea Foundry
2006  Kennametal Inc.
2005  Vocolllect, 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
2004  Susan H. Casker, Seneca Valley School District  
   Gerry Lewis, Bayer Corporation  

Middle Level Educator Award Honorable Mention (14)  

2019  Douglas Popovec, Slippery Rock Area School District  
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 (13)  

2019  John Gregorich, Ligonier Valley School District  
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
### Post-Secondary Educator Award Honorable Mention (28)

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>Bryan Brown, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>2018</td>
<td>Jonathan Lewis, PhD</td>
<td>Indiana University of Pennsylvania Department of Geoscience</td>
</tr>
<tr>
<td>2017</td>
<td>Dr. Peyman Givi, PhD; Dr. Conrad Zapanta, PhD</td>
<td>Carnegie Mellon University</td>
</tr>
<tr>
<td>2016</td>
<td>Mark T. Stauffer, PhD</td>
<td>University of Pittsburgh at Greensburg</td>
</tr>
<tr>
<td>2014</td>
<td>Steven Abramowitch, PhD</td>
<td>Swanson School of Engineering</td>
</tr>
<tr>
<td>2013</td>
<td>Thomas Eatmon, PhD</td>
<td>Allegheny College</td>
</tr>
<tr>
<td></td>
<td>Edward Schroth, PhD</td>
<td>Duquesne University, Center for Environmental Research and Education</td>
</tr>
<tr>
<td>2011</td>
<td>Melissa Bilec, PhD; Amy Landis, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>2010</td>
<td>Thad Zaleskiewicz, PhD</td>
<td>University of Pittsburgh at Greensburg</td>
</tr>
<tr>
<td>2009</td>
<td>Wendy Kedzierski; Jim Palmer, PhD</td>
<td>Creek Connections, Allegheny College</td>
</tr>
<tr>
<td></td>
<td>Alison Slinskey Legg, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>2008</td>
<td>Michelle Blanken, PhD</td>
<td>Bidwell Training Center</td>
</tr>
<tr>
<td>2007</td>
<td>Susan Finger, PhD; Edward Zovinka, PhD</td>
<td>Saint Francis University</td>
</tr>
<tr>
<td>2006</td>
<td>Jay Hosler, PhD</td>
<td>Juniata College</td>
</tr>
<tr>
<td>2005</td>
<td>Chandralekha Singh, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td></td>
<td>Karen H. Stump, PhD</td>
<td>Mellon College of Science, Carnegie Mellon University</td>
</tr>
<tr>
<td>2004</td>
<td>Joseph J. McCarthy, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td></td>
<td>Mary-Besterfield-Sacre, PhD; Bopaya Bidanda, PhD; Rabikar Chatterjee, PhD; Michael Lovell, PhD; Marlin Mickle, PhD; Larry Shuman, PhD</td>
<td>Product Realization Team, University of Pittsburgh</td>
</tr>
<tr>
<td>2003</td>
<td>Paul S. Steif, PhD</td>
<td>Carnegie Mellon University</td>
</tr>
</tbody>
</table>

### College/University Student Honorable Mention (7)

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>Alexis Nolfi, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>2017</td>
<td>Alexandra To and Neil Carlton, PhD</td>
<td>Carnegie Mellon University</td>
</tr>
<tr>
<td>2015</td>
<td>Sarah Kochanek, PhD</td>
<td>Duquesne University</td>
</tr>
<tr>
<td>2012</td>
<td>Sam Rothstein, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>2011</td>
<td>Southwest PA Chapter of the American Meteorological Society at CalU</td>
<td>Carnegie Mellon University</td>
</tr>
<tr>
<td>2009</td>
<td>Donna J. Haworth, PhD</td>
<td>University of Pittsburgh</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>Kara Anne Bernstein, PhD</td>
<td>University of Pittsburgh School of Medicine</td>
</tr>
<tr>
<td>2016</td>
<td>Inês Azevedo, PhD</td>
<td>Carnegie Mellon University</td>
</tr>
<tr>
<td>2015</td>
<td>Fabrisia Ambrosio, PhD</td>
<td>University of Pittsburgh, Department of Physical Medicine and Rehabilitation</td>
</tr>
<tr>
<td>2012</td>
<td>Shelley Anna, PhD</td>
<td>Carnegie Mellon University</td>
</tr>
<tr>
<td>2011</td>
<td>Mary Koes, PhD</td>
<td>Thorley Industries</td>
</tr>
<tr>
<td>2010</td>
<td>Alison Barth, PhD</td>
<td>Carnegie Mellon University</td>
</tr>
<tr>
<td>2009</td>
<td>Charleen T. Chu, MD, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>2007</td>
<td>Vera Donnenberg, PhD</td>
<td>Hillman Cancer Center</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>Hahna Alexander, PhD</td>
<td>SolePower</td>
</tr>
<tr>
<td>2015</td>
<td>Robb Myer, PhD</td>
<td>NoWait</td>
</tr>
</tbody>
</table>
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 (12)

2019  Lynsie Campbell, Lanespotter
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 (16)

2019  Ryan Sullivan, Carnegie Mellon University
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 (4)

2019  Laser Induced Breakdown Spectroscopy Team, National Energy Technology Laboratory
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 (3)

2019  Dietrich A. Stephan, PhD, LifeX
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 (11)

2019  Paul Kovach, University of Pittsburgh
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