2013 HEROES OF CHEMISTRY

CALL FOR NOMINATIONS

Deadline:
Friday, March 29, 2013

Honoring industrial chemical innovators
whose work has led to the welfare and
progress of humanity
What is the Heroes of Chemistry Program?

Initiated in 1996, the Heroes of Chemistry Program honors scientists whose work in traditional or nontraditional fields of chemistry and chemical engineering has led to the successful innovation and development of commercial products based on chemistry. These industrial scientists are celebrated for their innovative contributions to their companies, to the chemical enterprise, and to humankind.

Corporations in the chemical, pharmaceutical, and allied industries achieve their scientific breakthroughs and technological innovations by investing heavily in research and development and by employing more than 100,000 chemists, biochemists, and chemical engineers in the United States alone. These corporations depend on discovery and innovation for growth, and they attract and retain the very best industrial chemists and chemical engineers. The science and technology emerging from these corporate laboratories produce many opportunities for new products that improve our quality of life. Chemistry plays a central role in how this happens.

Each year, Heroes of Chemistry are nominated by their own companies to recognize their talent, creativity, and innovation in the chemical enterprise.

Heroes of Chemistry have excelled in innovation at prominent international corporations and developed many commercial products that demonstrate strong financial performance. The commercial success of their products in the marketplace is an important criterion for this honor, because we recognize that good business results follow good science.
Nominations will be evaluated on:

- The technical merit of the chemical innovation, including the talent and foresight demonstrated by the nominee(s),
- The commercial impact of the product(s) on the marketplace, including the market share and/or strong financial performance of the product(s), and
- The benefits to mankind through the product(s)’s performance.

An effort will be made to include products and innovations from multiple areas of the chemical enterprise. Examples of some product categories include, but are not limited to:

- Human health
- Nutrition and water
- Environment and ecology
- Safety, security and transportation
- Energy

In 2013, the American Chemical Society will honor scientists whose work has led to the welfare and progress of humanity.
Why should you participate in the Heroes of Chemistry Program?
The Heroes of Chemistry program highlights the vital role of industrial chemical scientists and their companies in improving human welfare through successful commercial innovations and products. It presents an ideal opportunity to enhance the public image of chemistry and its industrial practitioners.

Honoring personal and professional distinction
The program honors chemists, biochemists, and chemical engineers for their inquisitive, innovative minds, for their exploration of long-standing scientific ideas for new possibilities, and for their demonstrated ability to commercialize cutting-edge scientific and technological advances for the benefit of society.

Recognizing corporate achievement
The American Chemical Society salutes each nominating company for creating an internal R&D environment that encourages scientific discovery and innovation. Leaders of these industrial laboratories and corporations promote the creativity, risk-taking, problem-solving, teamwork, and cross-discipline collaborations that make the innovative work of our Heroes possible.
The nominating criteria
Any private or publicly owned for-profit company (including subunits, divisions, and wholly owned subsidiaries) may nominate an individual chemist, biochemist, chemical engineer, or team of scientists who have demonstrated excellence in the research and development of a commercial product that has had a dramatic impact on the welfare and progress of humanity. Nominees must demonstrate significant and lasting contributions through their chemical work.

If a team of individuals is being nominated, it will be necessary to highlight the contributions made by each chemical scientist toward the innovation, development, and commercialization of the product(s). The nomination should emphasize chemistry’s central role in the development of the product(s) being highlighted.

Technology or development partnerships between more than one for-profit company are welcome to co-nominate a person or a team. Management approval and support of the nomination are necessary.

There are no fees associated with the submission of a nomination. However, we ask each nominating company to financially support the travel and hotel costs of each Hero and an invited guest to attend the September 8, 2013, celebration in Indianapolis, IN, along with their corporate officers.
The nomination package must include the following:

Nomination form
Nomination form can be found at www.acs.org/heroes and click on industry awards. Please note that one form should be completed for each nominee.

Descriptive summary
Summarize the work your nominee(s) has done to develop and commercialize the product. Address the product’s chemical impact and commercial use, and its influence and benefits to humanity. Please keep your summary to a maximum of two pages.

Financial information
Summarize the market success and economic impact of the nominated innovation.

Supporting materials
Any brochures, articles, or press releases that describe the impact of the nominee’s product(s) are encouraged.

Biography or résumé
One should be submitted for each nominee.

The selection process
A panel of judges will select the 2013 Heroes of Chemistry on the basis of:

- The technical merit of the chemical innovation, including the talent and foresight demonstrated by the nominee(s),
- The commercial impact of the product(s) on the marketplace, including the market share and/or strong financial performance of the product(s), and
- The benefits to mankind through the product(s)’s performance.

Each selected Hero and his or her nominating company will be notified no later than May 2013.

The celebration
The Heroes of Chemistry will be honored at a special celebration on Sunday, September 8, 2013, in Indianapolis, Indiana, during the 246th ACS National Meeting.

We invite all honored Heroes and their chief executive officers and chief scientific or technical officers to attend this exclusive event. Our guests that night will represent some of the largest international companies specializing in chemicals, pharmaceuticals, life sciences, and applied technologies.

Formal invitations to this celebration will be mailed in July 2013.

All nominations must be received by Friday, March 29, 2013.
Our past Heroes of Chemistry have excelled in their work for some of the leading international corporations in their fields:

2012 Heroes of Chemistry whose work has led to the welfare and progress of humanity
• Arkema • Merck & Co., Inc. • Novartis Institutes for BioMedical Research

2011 Heroes of Chemistry whose work has led to the welfare and progress of humanity
• AstraZeneca • DuPont

2010 Heroes of Chemistry whose work has led to the welfare and progress of humanity
• Merck & Co., Inc. • Pfizer, Inc.

2009 Heroes of Chemistry whose work has led to the welfare and progress of humanity
• 3M • The Dow Chemical Company • Novartis Institutes for BioMedical Research

2008 Heroes of Chemistry whose work has led to the welfare and progress of humanity
• ExxonMobil Research and Engineering Company • GlaxoSmithKline • Pfizer, Inc. • Wyeth Pharmaceuticals

2007 Heroes of Chemistry whose work has led to the welfare and progress of humanity
• Chevron Phillips Chemical Company • DuPont/Tate & Lyle/Genencor • ExxonMobil Research and Engineering • Novartis Institutes for BioMedical Research • Pfizer, Inc.

2006 Heroes of Chemistry whose work has led to the welfare and progress of humanity
• ATMI • DuPont • Eli Lilly and Company • Merck & Co., Inc. • Rohm and Haas Company • Wyeth Pharmaceuticals

2005 Heroes of Chemistry whose work has led to the welfare and progress of humanity
• Colgate-Palmolive Company • ExxonMobil Corporation • IBM • Johnson & Johnson Pharmaceutical Research & Development • Novartis Institutes for BioMedical Research

2004 Heroes of Chemistry who have improved human health and well-being through commercial biotechnology products
• 3M • QLT, Inc. • Schering-Plough Corporation • Wyeth Pharmaceuticals

2003 Heroes of Chemistry who have improved the health and wellness of children through chemistry
• Abbott Laboratories • Merck Research Laboratories • Pfizer Inc • Wyeth Pharmaceuticals

2002 Heroes of Chemistry who have protected and secured our world through chemistry
• DSM • DuPont • Solutia

2001 Heroes of Chemistry who have promoted global human welfare
• BASF Aktiengesellschaft • Bristol-Myers Squibb • Calgon Carbon Corp. • Energy Conversion Devices, Inc. • Novartis Pharmaceuticals AG • Pfizer Inc • PLIVA d.d. • The Procter & Gamble Co. • The R.W. Johnson Pharmaceutical Research Institute • Xerox Corp.

2000 Heroes of Chemistry with innovations in the food and agriculture fields
• American Cyanamid Co. • Bayer Corp. • Dow AgroSciences, LLC • DuPont • Hercules, Inc. • National Starch and Chemical Co. • Pfizer Inc • The Procter & Gamble Co.

1999 Heroes of Chemistry with petrochemical innovations in the automotive field
• Ashland Chemical Co. • Exxon Chemical/PARAMINS • Mobil Technology Co. • Phillips Petroleum • Texaco • UOP

1998 Heroes of Chemistry with environmental safety, protection, and technologies
• 3M • AlliedSignal • DuPont • Eastman Kodak • IBM • Phillips Petroleum • Stepan • Union Camp

1997 Heroes of Chemistry with innovations for the space industry
• Air Products and Chemicals, Inc. • Albermarle • Alliant Tech Systems • Eastman Kodak • General Magnaplate • Hamilton Standard • Inorganic Coatings, Inc. • Lawrence Livermore National Laboratories • Morton International • NASA Langley Research Center • PCP, Inc. • Systems & Process Engineering Corp. • Thiokol Corp. • TRW, Inc.
Founded in 1876, ACS is the world’s largest scientific society dedicated to a single discipline. The Society’s members include chemists, chemical engineers, academicians, allied professionals, and other practitioners of the chemical sciences.

From its inception, ACS has been dedicated to gathering and distributing chemical information. Its mission has evolved to encourage in the broadest manner possible the advancement of the chemical enterprise and its practitioners. Its link to serving industry was reaffirmed in 1937, when ACS received its charter from the 75th Congress of the United States, and in 1952, when the Society organized Corporation Associates, an advisory group that now consists of more than 35 industrial companies, which ensure that ACS provides valuable services to its industrial members and their companies. Today, ACS plays a leadership role in educating and communicating with citizens, students, public leaders, and others about the importance of chemistry in developing new solutions, improving public health, protecting the environment, and contributing to the economy. The Society’s commitment to its members employed by industry continues with programs developed specifically for industrial chemical scientists, such as the Heroes of Chemistry Program.