



ELIE WIESEL *

PEACE NOBEL LAUREATE

University Professor and Professor of Philosophy and Religion, Boston University,



“Thanks to their gifts to society and their determination to alleviate and cure its woes, scientists deserve to be ranked among the true friends of the human race.”

* In Memoriam

ROY VAGELOS PRO BONO HUMANUM AWARD



FOR GLOBAL HEALTH EQUITY

TO STANLEY T. CROOKE



In recognition of his nearly 50 years of dedication to a novel, clinically endorsed concept of using synthetic oligonucleotides to control the expression of genes and proteins that impact disease. His singular dedication to this RNA-driven antisense platform provided a new, highly personalized pathway to resolving some of the most difficult biomedical challenges, with the ultimate potential of treating multiple infections, inflammatory conditions and cancers targeted to individual patient profiles and with minimal side-effects. Due to Dr. Crooke's years of effort as a researcher, corporate R&D executive, biotech innovator and

philanthropist, nearly a dozen antisense oligonucleotides (ASO) have been approved for clinical use since 1998; additional clinical trials focused in high unmet medical need areas like neuroscience are underway.

Dr. Crooke is also recognized for his leadership in being among the first in industry to make a commitment to open science a key element of the modern R&D enterprise and to embrace the principle that even patients with the rarest of afflictions deserve the best talent and expertise our R&D industry can offer. Untold thousands of patients formerly with no hope of a cure stand to benefit from his belief in the promise of this entirely new class of medicines.

OCTOBER 27TH, 2022

AMERICAN MUSEUM OF NATURAL HISTORY
NEW YORK CITY





PRO BONO HUMANUM AWARD



The committee follows a century-old example set in Sweden. The Prix Galien rewards excellence and novelty, and awards special honors to those who have served humanity at large. Presented at the Ceremony, the Pro Bono Humanum Award recognizes exemplary and innovative efforts in improving the human condition. This special award was presented by the late and beloved Elie Wiesel, in presence of the Prix Galien USA Committee. The Pro Bono Humanum Award was renamed the **Roy Vagelos Pro Bono Humanum Award** in 2017 in recognition of his decades of leadership in improving the state of human health through medicines innovation.



2007

P. ROY VAGELOS

Retired Chairman and CEO Merck & Co., Inc.; Chairman of the Board Regeneron Pharmaceuticals, Inc.

For the River Blindness Program and his historic decision to donate the drug Mectizan to more than 530 million people in 34 countries to treat and prevent river blindness "as much as necessary for as long as necessary."

2008

SHELDON SEGAL AND THE POPULATION COUNCIL

Former Director, Center for Biomedical Research, Population Council

For their global efforts in support of reproductive health and family planning.



2009

BARRY BLOOM AND JEFFREY SACHS

Professor of Public Health, Harvard University; Director, Earth Institute, Columbia University

Harvard Professor Barry Bloom for bringing the fruits of basic biological science to those who are most needy. Columbia University Earth Institute Director Jeffrey Sachs for bringing the fruits of scholarly economics to bear our problems that have plagued the world for millennia.



2010

BILL CLINTON AND PHILIPPE DOUSTE-BLAZY

Founder, Clinton Foundation and Former U.S. President; Chairman, UNITAID

In recognition of their achievements in providing treatment and increasing access to medicines for underserved populations through the UNITAID and Clinton Foundation HIV/AIDS Initiative (CHAI) partnership.



2011

PR. PAUL FARMER

Chief Strategist and Co-Founder, Partners In Health

For his humanitarian work in Haiti and throughout the world, including advancing the fight against infectious diseases, including AIDS and tuberculosis.



2012

DR. FRANCIS S. COLLINS

Director, U.S. National Institutes of Health

Dr. Collins, Director of the National Institutes of Health (N.I.H.). In recognition of his contribution to the ethical implications of scientific research.



2013

DR. ANTHONY FAUCI

Director, U.S. National Institute of Allergy and Infectious Diseases

For his paramount contributions to basic and clinical research on the pathogenesis and treatment of immune mediated and infectious diseases.



2014

DR. BERNARD KOUCHNER

Co-Founder, Doctors Without Border & Former French Minister of Foreign and European Affairs

In recognition of his role in the creation, from amongst French doctors, this group of "Doctors Without Borders" who have lent the modern field of humanitarian medicine both legitimacy and worldwide acclaim and for his fieldwork that has nurtured and developed, not only among public opinion but also within various governments, the notion of the universality of humanitarian action and the concept of the Non-Governmental Organization.



2015

PR. MARY-CLAIRE KING

Professor, Genome Sciences and Medical Genetics, University of Washington

In recognition of her work in transforming the application of human genetics to medicine through identification of the first gene, BRCA1, responsible for inherited susceptibility to breast cancer. And for pioneering the application of genetic sequencing in forensics to identify victims of human rights abuse.



2016

PAULA S. APSELL

Executive Producer, PBS NOVA series & Director, Science Unit, WGBH

For turning great science into a human story, showing that scientific literacy is society's first line of defense against the destructive forces of fear and ignorance that challenge further progress in human health.



2017

JIMMY CARTER

Former U.S. President & Co-Founder, The Carter Center

For playing a leadership role in the elimination of river blindness in four of the six Latin American countries where it was endemic and halting the disease's transmission in several locations in Africa where more than 99 percent of the global cases exist.



2018

BILL AND MELINDA GATES

Bill & Melinda Gates Foundation

In recognition of their extraordinary work championing scientific and technological innovation to improve life for the world's poorest people. As co-chairs of the Bill & Melinda Gates Foundation, they have catalyzed unprecedented progress in global health, poverty reduction, and public education in the U.S.



2019

JIM AND MARILYN SIMONS

The Simons Foundation

In recognition of their proactive support of basic scientific research undertaken in the pursuit of understanding the phenomena of our world, often including research by scientists in the early stages of their careers, a new collaborative funding model to facilitate cross-disciplinary breakthroughs, and efforts to inspire emerging and current philanthropists to dedicate a portion of their philanthropy to basic science.

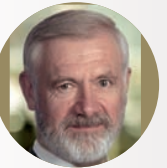
Photo:
Tony Lopez



2020

DR WILLIAM H. FOEGE

In recognition of this role in building the global strategy that resulted in the eradication of this smallpox virus in 1980, a success that helped foster higher rates of immunization against many other infectious and communicable diseases throughout the developing world.



2021

In recognition of the monumental feat of having developed, in less than a year, vaccines against COVID-19, as well as having developed several novel antiviral drugs that treat COVID-19 symptoms based on innovative monoclonal antibody platforms. The six companies together responded to the pandemic in record time, with safe, effective treatments that hold the promise of reducing mortality and restoring normal life for untold millions of vulnerable patients.



STEPHANE BANCEL
CEO - Moderna

ALBERT BOURLA
Chairman & CEO - Pfizer



ALEX GORSKY
Chairman, Board of Directors
& CEO - Johnson & Johnson

DAVID RICKS
Chairman and Chief Executive
Officer - Eli Lilly & Co.



PASCAL SORIOT
CEO - Astra Zeneca

GEORGE D. YANCOPOULOS
Co-Founder, President &
Chief Scientific Officer - Regeneron



PRIX GALIEN USA

GALIEN FOUNDATION

AN UNRIVALED REPUTATION FOR
INTELLECTUAL RIGOR AND INTEGRITY...



Elie Wiesel, Peace Nobel Laureate;
BAN Ki-moon, General Secretary, United Nations;
Bill Clinton & Philippe Douste-Blazy,
2010 Prix Galien Pro Bono Humanum Award Laureate

The Prix Galien USA Committee, a group of highly accomplished individuals from the scientific and research communities, will judge which among the candidates, independent of any category, is the Best Pharmaceutical Agent (i.e. small molecule), the Best Biotechnology Product and the Best Medical Technology approved by the FDA in the past five years. As few as one or as many as three prizes may be awarded in each of these categories, and the committee may decide on awards hors prix. The prizes are awarded for products and agents that significantly improve the human condition.

WHO WAS GALIEN?

Born in 131 AD, **Galien is considered the father of modern medicine and pharmacology.** As an anatomist, physiologist, clinician and researcher, **his work formed the basis of a school of thought known as "Galenism", which dominated medicine until the Renaissance.** In fact, Galien's works were used as primary medical reference for nearly two centuries. Raised in Pergamos, he studied in Smyrna, Corinth, and Alexandria, the three centers of medical excellence in the ancient world. Legend has it that Galien was visited by Aesculapius in a dream and that this inspired the direction of his life. **A greek physician in Roma:** when he was 17, Galien worked as a physician to the gladiatorial school. At the age of 37, Marcus Aurelius summoned him to Rome, where he grew in reputation and stature as a healer, teacher, researcher and writer. His ideas on the functioning of the human body were so well received that he became the personal doctor of young Commodus, the heir to the Emperor. He died in 201AD. During his long and eminent career, **Galien completed over 500 learned works addressing anatomy, physiology, pathology, medical theory and practice, and many forms of therapy.** He traveled throughout the world, studying local plants and remedies, eventually describing 473 original drugs and many substances of mineral and vegetable origin. Importantly, **Galien was the first to codify the art of preparing active drugs** using multiple ingredients. Galien's faculties of observation, logic and deduction made him the true successor of Hippocrates, and his declaration that the primary aim of medicine was patient care formed the very cornerstone of modern pharmacy. To quote Jean-Pierre Changeux, "Galen first showed that our mind was in the brain, not in our hearts." It can be said that this was the beginning of experimental medicine.



PRIX GALIEN

A RECORD OF LEADERSHIP IN BRINGING TO THE ATTENTION OF THE WORLD



"I know the importance of the Prix Galien which rewards every year therapeutic innovations and research works among the most creative."

Emmanuel Macron
French President - 2018



"The Prix Galien Awards are a true celebration of the years of hard work that are required to produce lifechanging interventions."

Bill & Melinda Gates - 2018



"The Prix Galien since 1970 is dedicated to promoting the research and development of the medicine and medicine industries."

Macky Sall
Senegalese President - 2018



"I applaud Prix Galien for recognizing the pioneering spirit of America innovation and research."

John McCain
American Senator - 2008



"The Prix Galien USA recognizes the important research necessary to develop innovative medicines and devices that have a life-saving impact on individuals and families across the globe."

Kathleen Sebelius
American Secretary of Health and Human Services - 2011



"The Prix Galien is a prestigious award, a magnificent occasion to pay recognition to our researchers and to encourage our industry."

Jean Chretien
Canadian Prime Minister - 1994



"I'd also like to congratulate all the candidates for the 5th Annual Prix Galien Awards Competition, which honors those in the pharmaceutical industry who have developed the technical, scientific and clinical research skills necessary to develop innovative medicines and devices. Your work is invaluable."

Margaret A. Hamburg, M.D.
Commissioner of Food and Drugs
US Food and Drug Administration - 2011



"The Galien Foundation, created to honor and catalyze excellence in scientific innovation, recognizes outstanding achievement with the prestigious Prix Galien Award."

Bill De Blasio
Mayor of the City of New York - 2015



THE BEST OF BIOMEDICAL DISCOVERY



.....
"I welcome you to the annual Prix Galien awards for innovative excellence in bio-medical products and health technologies. The awards are among the highest honors in science and commerce.."

Jimmy Carter
American President - 2017



.....
"The Prix Galien is a welcome initiative to stimulate creative research and promote excellence."

Barack Obama
American President - 2008



.....
"I am particularly grateful to receive this Award."

Bill Clinton
American President - 2010



.....
"The Prix Galien is the right event, on the right issue at the right time. I thank the Galien Foundation for bringing us together and for recognizing that a healthier world is a safer world and a more just world."

BAN Ki-moon
UN Secretary-General - 2010



.....
"I look forward to the day when we will celebrate an African winner of the Prix Galien."

Tedros Adhanom Ghebreyesus
Director-General,
World Health Organization - 2018



.....
"When Olympic rhymes with Galenic: there is a gold medal that can be won for an extraordinary achievement: this is the Galien Award, the Oscar of pharmaceutical research."

Walter Sutter
Swiss State Advisor, Director
of the Public Economy - 2004



.....
"It is a pleasure to congratulate all those who promote the Prix Galien and pharmaceutical research: they play a vital role in the fight against disease throughout the world."

John Major
British Prime Minister - 1996



.....
"We recognize the importance of the Prix Galien in promoting drug research, and we salute the excellent work of the Jury."

Philippe Douste-Blazy
French Minister of Foreign Affairs - 2006



.....
"Prix Galien recognizes men and women from the pharmaceutical and biomedical industries whose contributions of science have improved and saved countless lives."

Michael Bloomberg
Mayor of the City of New York - 2010

PRIX GALIEN USA
COMMITTEE
2022



Susan DESMOND-HELLMANN, MD, MPH
Committee Chair
Former Chief Executive Officer
Bill & Melinda Gates Foundation



Richard AXEL, MD
Nobel Laureate
Co-director The Kavli Institute
for Brain Science,
Columbia University
Medical Center



Linda B. BUCK, PhD
Nobel Laureate
Fred Hutchinson Cancer
Research Center member,
and Professor of Physiology
and Biophysics
University of Washington



Laurie GLIMCHER, MD
President and CEO Dana Farber
Cancer Institute;
Professor of Medicine
Harvard Medical School



Mary-Claire KING, PhD
American Cancer Society
Professor of Genome
Sciences and Medical Genetics
University of Washington



Robert S. LANGER
David H. Koch Institute
Professor
Massachusetts Institute
of Technology



Cato T. LAURENCIN, MD, PhD
University Professor
University of Connecticut



Steven LESTER, MD
Chief Medical Officer
Mayo Clinic-ASU
MedTech Accelerator



Michael ROSENBLATT, MD
Chief Medical Officer
Flagship Pioneering



Marc TESSIER-LAVIGNE, PhD
President
Stanford University



P. Roy VAGELOS
Committee Chair 2012-2017

*Retired Chairman and CEO,
Merck & Co., Inc. Chairman of the Board,
Regeneron Pharmaceuticals, Inc.*





FOUNDING COMMITTEE 2007-2011



Pr Elie WIESEL In Memoriam
 Honorary Founding President
 The Galien Foundation
 Peace Nobel Laureate
 Boston University



Michael S. BROWN, MD
 Nobel Laureate
 Professor of Molecular
 Genetics and Internal
 Medicine
 UT Southwestern
 Medical Center at Dallas



Barry S. COLLER, MD
 Vice President for
 Medical Affairs
 and Physician-in-Chief,
 Rockefeller University



Walter GILBERT, PhD
 Nobel Laureate
 Professor Emeritus
 Harvard University



Joseph GOLDSTEIN, MD
 Nobel Laureate
 Professor of Molecular
 Genetics and Internal
 Medicine
 UT, Southwestern
 Medical Center at Dallas



Paul GREENGARD, PhD
 Nobel Laureate
 Professor of Molecular
 and Cellular Neuroscience
 Rockefeller University



Eric R. KANDEL, MD
 Nobel Laureate
 Professor of physiology
 and Cellular Biophysics
 Columbia University



**Joshua LEDERBERG,
MD, PhD**
 Nobel Laureate
 Professor Emeritus,
 Laboratory of Molecular
 Genetics and Informatics,
 Rockefeller University



Richard A. LERNER, MD
 Professor of
 Immunochemistry, Chair
 in Chemistry
 Scripps Research Institute



Paul A. MARKS, MD
 Laboratory Head of Cell Biology
 Memorial Sloan Kettering
 Cancer Center



**Bengt SAMUELSSON,
MD, PhD**
 Nobel Laureate
 Professor
 Karolinska Institutet;
Former President
 Karolinska Institutet;
Former Chairman
 Nobel Foundation



Jan T. VILCEK, MD
 Professor of Microbiology
 New York University School
 of Medicine



Gerald WEISSMANN, MD
 Professor of Rheumatology
 and Director of
 Biotechnology Study Center
 New York University School
 of Medicine

MISSION

The Prix Galien Award recognizes outstanding achievements in improving the global human condition through the development of innovative drugs and other treatments.

The Prix Galien was created in 1970 in honor of Galien, the father of medical science and modern pharmacology.

Worldwide the Prix Galien is regarded as the equivalent of the Nobel Prize in biopharmaceutical research.

The Prix Galien is more than an award: it is a movement with a mandate to foster, recognize and reward excellence in scientific innovation to improve the state of human health. Building on an unrivaled network of top biomedical scientists including Nobel Laureates in medicine, the Prix Galien manages an independent, cross-functional and geographically diverse program of events and sponsorships to brand “the best of the best” in new medicines and diagnostics.

Our scope is global, and our commitment to progress in medicine is both measurable and concrete. Our members express this through the establishment of productive relationships to build lasting bridges between the commercial research enterprise and local communities engaged in public policy, science, finance, academic research and the media.

In addition to recognizing advances in promising therapies, the Prix Galien’s annual Roy Vagelos Pro Bono Humanum Award for humanitarian achievements (www.galienfoundation.org/index.php/2017/01/31/probono) brings a unique focus to the intersection between science, business and politics. The outcome we seek is guided by the synthesis principle that underpins the conduct of science itself: successful innovation where financing, physical assets, knowledge and skills are combined from many sources to move new ideas quickly “from the bench to the bedside,” on behalf of patients everywhere.

A truly global program present in 15 countries*

Our program includes a review of contributions from a new generation of innovators representing diverse sectors in health. Our mission is to advance cross-cultural contacts and harmonize regulation, internal business processes, new information technologies and public-private partnerships to remove barriers to the commercialization of good medicines and expand across to these benefits to all who need them.

* Africa, Belgium, Canada, China, France, Germany, Greece, Italy, Netherlands, Poland, Russia, Spain, Switzerland, United Kingdom and the United States.



Sue Desmond-Hellmann, Ethiopia Clinic site visit

2022 : Prix Galien’s 50th Anniversary

The Prix Galien Golden Jubilee : 2022 is a landmark year celebrating 50 years of progress in recognizing excellence in biopharmaceutical and med tech innovations to improve the human condition.

As a special feature our 50th Golden Jubilee year will honor the “global best of the very best” in: A- Pharmaceutical; B- Biotechnology; C- Orphan and Rare diseases; D- Vaccines; E- Medical technology products. Eligibility will be drawn from the 250 products awarded the Prix Galien by our 14 member-country chapters between 1970 and 2019, developed by more than 80 innovative companies, most of whom continue to bring new therapies for today’s patients with unmet medical needs.

The Galien Forum and Prix Galien USA Ceremony will take place on **October 27 in New York City** at the Alexandria Center for Life Science and Museum of Natural History, respectively. During the Ceremony, we will also announce the laureates for the “Awards of the Jubilee” – which will be selected by all past and present Committee members across the globe.

The Golden Jubilee Short list was announced on **December 11, 2021 in Dakar** in the presence of the President of the Senegalese Republic, H.E. Macky Sall, alongside many African heads of state and ministers of health and/or environment, the WHO Director-General as well as hundreds of scientists and industry and innovation leaders.

The best locale to pursue our mission is the African continent, whose young population is destined to double to 2.5 billion people by 2050. According to the World Economic Forum, early-stage entrepreneurial activity is nearly 15% higher in Africa than the global average – yet while the continent is today home to 11% of the world’s population, it accounts for a mere 1% of total health spending and carries a crippling 25% of the global disease burden. Taken together, these statistics reveal the progress inherent in what in a few years will be the world’s youngest and potentially most productive population, but whose prospects depend on more investment in health care as the key driver of development.

Our diverse geographic reach is evident with the International Prix Galien Awards, which launched in 1990, and is conducted every two years to highlight the “best of the best” in research that brings dividends to patients across geographies with differing health needs. This desire to make biopharmaceutical and med tech innovation a global endeavor, bringing progress to patients in all corners of the world, will now be a key priority for the Prix Galien community going forward.

Under the sponsorship of the government of Senegal and the WHO Regional Office for Africa, the Prix Galien Africa is our first truly region-wide initiative. It stands as a living tribute to the vision of Foundation co-founder, 1986 Nobel peace laureate Elie Wiesel, who believed in medical innovation not only as an industrial policy asset but as a source of social progress, where private enterprise and public engagement combine to deliver a greater public good – health equity and access for all.

We invite all communities with a commitment to the conduct and promotion of life sciences innovation to contribute to this important work.



PRIX GALIEN
AFRICA



www.galienfoundation.org
The Galien Foundation
99 John Street, Suite 2502
New York, NY 10038 / Tel: 212-685-1592

