

Massry Prize Winners - 1996 to present

Name	Position	Affiliation	Discipline	Massry Prize	Nobel Prize after Receiving Massry Prize	Scientific Contribution
2009 Massry Prize Co-Recipients - MicroRNA						
Gary Ruvkun, Ph.D.	Professor of Genetics	Simches Research Center, Massachusetts General Hospital, Harvard Medical School	Molecular Genetics	2009		Co-discovery of microRNA
Victor Ambros, Ph.D.	Silverman Professor of Natural Sciences, Program in Molecular Medicine	University of Massachusetts Medical School	Molecular Genetics	2009		Co-discovery of microRNA
2008 Massry Prize Co-Recipients - Induced Pluripotent Stem Cells						
Shinya Yamanaka, Ph.D.	Professor & Director, Center for iPS Cell Research & Application, Institute for Integrated Cell-Material Sciences; Senior Investigator & Professor of Anatomy	Kyoto University, Kyoto, Japan; J. David Gladstone Institutes, University of California at San Francisco	Cell Biology	2008		Contributions to stem cell science that led to the 2007 discovery of induced pluripotent stem (iPS) cells
Rudolf Jaenisch, M.D.	Professor of Biology	Whitehead Institute, Massachusetts Institute of Technology	Molecular Cell Biology	2008		Contributions to stem cell science that led to the 2007 discovery of induced pluripotent stem (iPS) cells
James Thomson, Ph.D.	Director of Regenerative Biology and John D. MacArthur Professor; Adjunct Professor of Molecular, Cellular, & Developmental Biology	Morgridge Institute for Research, University of Wisconsin-Madison School of Medicine	Cell biology - stem cells	2008		Groundbreaking discovery made a decade before of human embryonic stem (ES) cells and subsequent work in developing induced pluripotent stem (iPS) cells
2007 Massry Prize Recipient - PET Scan; Its Clinical Applications						
Michael Phelps, Ph.D.	Norton Simon Professor & Chair, Molecular & Medical Pharmacology; Director, Crump Institute for Molecular Imaging	University of California at Los Angeles, David Geffen School of Medicine	Pharmacology	2007		The Invention of Positron Emission Tomography

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2006 Massry Prize Recipient - Novel Therapeutics						
Akira Endo, Ph.D.	President	Biopharm Research Laboratories, Tokyo	Biochemistry	2006		The Discovery of Statin Drugs
2005 Massry Prize Co-Recipients - RNA Interference						
Andrew Fire, Ph.D.	Professor of pathology and genetics	Stanford University School of Medicine	Molecular Genetics	2005	2006 Nobel Prize in Physiology or Medicine (with Craig Mello)	Co-discovery of RNA interference
Craig Mello, Ph.D.	Blais University Chair in Molecular Medicine and Howard Hughes Medical Institute Investigator	University of Massachusetts Medical School	Molecular Genetics	2005	2006 Nobel Prize in Physiology or Medicine (with Andrew Fire)	Co-discovery of RNA interference
David Baulcombe, Ph.D.	Professor of Botany at Cambridge University	The Sainsbury Laboratory, University of East Anglia	Plant Scientist and Geneticist	2005		Work in plants leading to the discovery of RNA interference
2004 Massry Prize Co-Recipients - Ribosomal Structure						
Harry Noller, Ph.D.	Director, Center for Molecular Biology of RNA, Sinsheimer Professor of Molecular Biology	University of California at Santa Cruz	Biochemistry & Molecular Biology	2004		Groundbreaking research on the structure and function of the ribosome
Ada Yonath, Ph.D.	Director, Helen & Milton A. Kimmelman Center for Biomolecular Structure & Assembly; Martin S. & Helen Kimmel Professorial Chair	Weizmann Institute of Science, Rehovot, Israel	Crystallography	2004	2009 Nobel Prize in Chemistry (with Venkatraman Ramakrishnan and Thomas Steitz)	Groundbreaking research on the structure and function of the ribosome

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2003 Massry Prize Co-Recipients - Nuclear Chromation						
C. David Allis, Ph.D.	Head, Laboratory of Chromatin Biology and Epigenetics; Joy & Jack Fishman Professor	Rockefeller University	Molecular Biology	2003		Deciphering and translating the histone code
Roger Kornberg, Ph.D.	Professor of structural biology	Stanford University Medical School	Biochemistry & Molecular Biology	2003	2006 Nobel Prize in Chemistry	Studies of the process by which genetic information from DNA is copied to RNA, "the molecular basis of eukaryotic transcription". Deciphering and translating the histone code
Michael Grunstein, Ph.D.	Distinguished Professor of Biological Chemistry	UCLA Geffen School of Medicine	Molecular Genetics	2003		Deciphering and translating the histone code
2002 Massry Prize Co-Recipients - Transgenics						
Mario Capecchi, Ph.D.	Distinguished professor of human genetics & biology	University of Utah	Molecular Genetics	2002	2007 Nobel Prize in Physiology or Medicine (with Oliver Smithies and Martin Evans)	The discovery of principles for introducing specific gene modifications in mice by the use of embryonic stem cells
Oliver Smithies, Ph.D.	Excellence Professor of Pathology & Laboratory Medicine	University of North Carolina at Chapel Hill	Molecular Genetics	2002	2007 Nobel Prize in Physiology or Medicine (with Mario Capecchi and Martin Evans)	Discovery of principles for introducing specific gene modifications in mice by the use of embryonic stem cells
2001 Massry Prize Recipient - The Ubiquitin System						
Alexander Varshavsky, Ph.D.	Smits Professor of Cell Biology	California Institute for Technology	Molecular biology	2001		The discovery of the role of ubiquitin in protein degradation
Avram Hershko, M.D., Ph.D.	Distinguished Professor	Rappaport Faculty of Medicine at the Technion, Haifa, Israel	Biochemistry	2001	2004 Nobel Prize in Chemistry (with Aaron Ciechanover and Irwin Rose)	The discovery of the role of ubiquitin in protein degradation

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2000 Massry Prize Recipient - Cell Cycle						
Lee Hartwell, Ph.D.	President & Director; Professor of Genetics	Fred Hutchinson Cancer Research Center, University of Washington	Molecular Genetics	2000	2001 Nobel Prize in Physiology or Medicine	The discovery of more than 50 genes crucial to controlling the cell cycle, cell growth, and cell development
1999 Massry Prize Recipient - Protein Trafficking						
Gunter Blobel, Ph.D.	John D. Rockefeller, Jr., Professor	Rockefeller University	Cell Biology	1999	1999 Nobel Prize in Physiology or Medicine	The discovery that proteins have signals that govern their movement and position in the cell
1998 Massry Prize Recipient - Growth Factors						
Judah Folkman, M.D. (deceased)	Director, Vascular Biology Program; Julia Dyckman Andrus Professor of Pediatric Surgery	Children's Hospital, Harvard Medical School	Surgery and Cell Biology	1998		Mechanisms of angiogenesis. This work founded the anti-angiogenic approach to cancer therapy.
1997 Massry Prize Recipient - Regulation of Transcription						
Mark Ptashne, Ph.D.	Ludwig Chair of Molecular Biology	Memorial Sloan Kettering Cancer Center	Molecular biology	1997		Discoveries leading to the understanding of how regulatory proteins control the transcription of genes
1996 Massry Prize Recipient - Signal Transduction						
Michael J. Berridge, Ph.D.	Emeritus Babraham Fellow, Signalling Programme Department; Honorary Professor of Cell Signalling	Babraham Institute, University of Cambridge	Physiology and biochemistry	1996		The discovery that inositol triphosphate acts as a second messenger, linking events at the plasma membrane with the release of Ca ²⁺ within the cell