LEMELSON-MIT

Lemelson-MIT Prize Winners

2019

Cody Friesen
Renewable energy technologies

2018

Luis Von Ahn
ReCAPTCHA, CAPTCHA, and a free language-learning platform, Duolingo

2017

Feng Zhang
Revolutionary CRISPR technology and optogenetics

2016

Ramesh Raskar
Femto-photography

2015

Jay Witacre
First mass-produced low-cost, eco-friendly battery

2014

Dr. Sangeeta Bhatia
Tiny technologies for medicine

2013

Angela Belcher
Genetically engineered viruses for new products

2012

Stephen Quake
Commercialization of inventions revolutionizing human health

2011

John A. Rogers
Healthcare tools that can better integrate with the human body

2010

Carolyn Bertozzi
World's first biorthogonal chemical reaction, a technology for labeling biomolecules in living cells or animals

2009

Chad A. Mirkin
Dip-pen nanolithography and nanoparticle-based biodetection schemes

2008

Joseph M. DeSimone
PRINT® (Particle Replication in Non-wetting Templates) technology used to manufacture nanocarriers in medicine

2007

Timothy M. Swager
Amplified chemical sensor that uses molecular wires to detect the presence of vapors from explosives

2006

James Fergason
Developed and improved modern liquid crystal technology

2005

James Fergason
Sonar tool to isolate different movements inside the human body: Transcutaneous Doppler system

2004

Nick Holonyak
First practical LED (light emitting diode)

2003

Leroy Hood
Modern molecular biology's core instruments, including the DNA Sequencer

2002

Dean Kamen
IBOT, a battery-powered wheelchair that can climb stairs and the Segway

2001

Raymond Kurzweil
First reading machine for the blind

2000

Thomas Fogarty
Surgical embolectomy procedures

1999

Carver Mead
Revolutionized the semiconductor industry with very-large-integrated circuits

1998

Robert Langer
Research into polymers led to the slow release of micro-encapsulated doses of ionic drugs, peptides and other large molecule drugs

1997

Douglas Engelbart
The computer mouse

1996

Herbert Boyer and Stanley Cohen
Genetic engineering and foundations for gene therapy and the biotechnology industry

1995

William Bolander
Mathematical models for automotive computers