

**Alfred E. Mann**  
***Chairman of the Board and CEO, MannKind Corporation***

Al Mann is an entrepreneur, scientist, inventor and philanthropist who has devoted his professional life to developing innovative medical products and technologies designed to satisfy the unmet needs of patients challenged by health issues ranging from diabetes and heart disease to hearing impairment and chronic pain. He has successfully established 17 companies to bring these novel products to fruition and to market.

- ✦ In 1997, Al was introduced to an inhaled insulin product created by a small company called Pharmaceutical Discovery. When he saw the pharmacokinetics and bioavailability of this unique drug-device combination, it was clear to him that it had the potential to address an unmet need in diabetes therapy and change the way that the disease is treated. He translated this vision into reality by purchasing Pharmaceutical Discovery and establishing MannKind Corporation to bring the product, AFREZZA<sup>®</sup>, to market. Passionate about the promise that AFREZZA<sup>®</sup> holds for the diabetes community, Al Mann has been the champion and guiding force behind MannKind's development of AFREZZA<sup>®</sup> and the novel Technosphere drug delivery platform.

**Select  
Professional  
Achievements**

- Chairman of the Board of MannKind Corporation (2001-present) and CEO of MannKind (2003-present)
- Chairman and CEO of MiniMed, Inc., a publicly traded company focused on diabetes therapy and microfusion drug delivery that was acquired by Medtronic, Inc. in 2001
- Founder and, from 1972-92, CEO of Pacesetter Systems, Inc. and its successor, Siemens Pacesetter, Inc., a manufacturer of cardiac pacemakers (now the Cardiac Rhythm Management Division of St. Jude Medical Corporation)
- Founder, Chairman and former co-CEO of Advanced Bionics Corporation, a medical device manufacturer focused on neurostimulation to restore hearing to the deaf and to treat chronic pain and other neural deficits
- Non-executive Chairman of Advanced Bionics LLC (cochlear implants) and Infusion Systems LLC (infusion pumps)
- Founder and non-executive Chairman of:
  - Second Sight, which is developing a visual prosthesis for the blind
  - Quallion, which produces batteries for medical products and for the military and aerospace industries
  - Stellar Microelectronics Inc., a supplier of electronic assemblies to the medical, military and aerospace industries

**Philanthropy  
and  
Community  
Service**

- Founder and Non-executive Chairman of the Alfred Mann Foundation, devoted to the development of advanced medical products, and the Alfred Mann Institutes at the University of Southern California, Purdue University and the Technion-Israel Institute of Technology, all focused on medical research.
- Non-executive Chairman of the Southern California Biomedical Council
- Director of the Nevada Cancer Institute and the United Cerebral Palsy Foundation
- Recipient of more than 70 honors, including life achievement and humanitarian awards, from the public and private sectors.

**Education**

- Bachelor's and master's degrees in Physics from the University of California at Los Angeles
- Honorary doctorates awarded by Johns Hopkins University, the University of Southern California, Western University and the Technion-Israel Institute of Technology