

A New Biotechnology & Pharmaceutical Industry

Commitment to Patients & the Public

We the undersigned leaders in the biotechnology and pharmaceutical industry, academia and life science investors recognize that at this pivotal moment in the history of our industry, we are at the dawn of a golden age of medicine. We will soon have the ability to treat and cure diseases which have been untreatable and incurable.

Our industry is unique. We save, extend and enhance lives by alleviating the scourge of disease. Our mission is to change the course of each individual's life for the better. To achieve this, we acknowledge that we have a moral obligation to develop the best medicines and ensure that every person who may benefit has access to them. And we need to ensure that we act with the highest integrity and corporate responsibility- always putting the interests of patients first.

So, to fulfill our obligations to patients and to renew trust and confidence in how we deliver on our mission, each of us affirms **A New Commitment to Patients**, informed by these Core Principles and Actions:

ENSURE ACCESS:

- The pricing of our medicines at launch will reflect innovation and value to patients, and we commit to achieve broad patient access
- We believe in growing our businesses with sustainable innovation, and any price increases on our medicines must be reasonable and guided by the need for uninterrupted patient access
- To achieve the goal of patient access, we will collaborate with policymakers, PBMs, payers and providers to find ways to limit or eliminate co-pays and deductibles for all patients
- We will support generic and biosimilar approvals of safe and effective medicines after our legitimate patent and regulatory protections expire
- We will seek to collaborate with all key parties in the healthcare system, including all biopharmaceutical companies, PBMs, payers, hospitals, pharmacies, distributors and policy makers, to ensure that all patients get access to the medicines they need.

ACT WITH INTEGRITY & RESPONSIBILITY

- We support only ethical business practices that drive innovation, competition and patient choice
- We will invest only in novel therapies that address unmet patient needs
- We commit to patient advocacy in how we build and operate our companies, and to connecting directly with patients and their families
- We will speak out about and not tolerate companies and other stakeholders who abuse this commitment to patients, and who abuse policies aimed at fairly rewarding innovation

By committing to this **New Commitment to Patients**, we express our conviction that we must develop medicines with patients as our primary concern. We are confident that in doing so we will best serve the interests of patients, their care givers and healthcare providers, as well as those of our shareholders and society at large.

Signed in alphabetical order:

¹John Crowley, ²Paul Hastings, ³Rachel King, ⁴Jeremy Levin. DPhil, MB BChir, ⁵Ted Love MD, ⁶John Maraganore MD

The appended signatures do not necessarily reflect the policy or position of any agency, organization, employer or company with which the signatories are affiliated.

Affiliations

¹Amicus Therapeutics, Cranbury Township, New Jersey, ²Nkarta Therapeutics, South San Francisco, California, USA, ³GlycoMimetics, Inc., Rockville Maryland, USA, ⁴Ovid Therapeutics, New York, New York, USA, ⁵Global Blood Therapeutics, South San Francisco, California, USA, ⁶Alnylam Pharmaceuticals, Cambridge, Massachusetts, USA

Co-Authors

John Crowley, JD, *Chairman and CEO, Amicus Therapeutics, Cranbury, NJ*

Paul Hastings, CEO, *Nkarta Therapeutics, South San Francisco, CA*

Rachel King, CEO, *GlycoMimetics, Inc., Rockville, MD*

Jeremy Levin, DPhil MB BChir, *Chairman and CEO, Ovid Therapeutics, New York, NY*

Ted Love, MD, CEO, *Global Blood Therapeutics, South San Francisco, CA*

John Maraganore, PhD, CEO, *Alnylam Pharmaceuticals, Cambridge, MA*

Co-Signatures

Chris Adams, PhD, *Founder and CEO, Cydan II Inc, Cambridge, MA*

Bonnie Anderson, *Chairman and CEO, Veracyte, Inc., South San Francisco, CA*

Armando Anido, *Chairman and CEO, Zynerba Pharmaceuticals, Inc., Devon, PA*

Christopher R. Anzalone, PhD, *President and CEO, Arrow Head Pharma, Pasadena, CA*

Mara G. Aspinall, *CEO, Health Catalysts Group, Tuscon, AZ*

James E. Audia, *Visiting Scholar, Northwestern University, Chicago, IL*

Fouad Azzam, PhD, *Board Member and Venture Capitalist, Nkarta Therapeutics, SSF CA, Weston, MA*

Martin Babler, *President and CEO, Principia Biopharma Inc., South San Francisco, CA*

Michael P. Bailey, *President and CEO, AVEO Oncology, Cambridge, MA*

Stephane Bancel, *CEO, Moderna Inc., Cambridge, MA*

Christiana Bardon, *Portfolio Manager, Burrage Capital, Boston, MA*

Peter Barrett, *Partner, Atlas Venture, Cambridge, MA*

Charles M. Baum, MD, *President and CEO, Mirati Therapeutics, San Diego, CA*

Franklin M. Berger, *Managing Director, FMB Research, New York, NY*

Nessan Bermingham, PhD, *President and CEO, Triplet Therapeutics, Boston, MA*

Jeffrey Bird, MD, *Managing Director, Bluebird Ventures, Palo Alto, CA*

Kevin Bitterman, *Partner, Atlas Venture, Cambridge, MA*

Lynn D. Bleil, *Member of the Board of Directors, Amicus Therapeutics, Alcon, Sonova, AG, Stericycle, Salt Lake City, UT*

Robert Blum, *President and CEO, Cytokinetics, Inc., South San Francisco, CA*

Michael Bonney, *Member of the Board of Directors, Alnylam Pharmaceuticals and Magenta, Boston, MA*

Bruce Booth, *Partner, Atlas Venture, Cambridge, MA*

Katrine S. Bosley, *Chairman of the Board, Arrakis Therapeutics, Cambridge, MA*

Marina Bozilenko, *Managing Director, William Blair and Company, Boston, MA*

Daniel Bradbury, *Chairman and CEO, Equillum, Inc., La Jolla, CA*

Steven K. Brauer, *Chairman, Salus Discovery, San Diego, CA*

Laura A. Brege, *Member of the Board of Directors, Portola Pharmaceuticals, Dynavax, Acadia Pharmaceuticals and Mirum Pharmaceuticals, Valley, CA*

John P. Butler, *President and CEO, Akebia Therapeutics, Cambridge, MA*

Brook Byers, *Partner, Kleiner Perkins, Menlo Park, CA*

Barry J. Byrne, MD, *Professor of Pediatrics, University of Florida, Gainesville, FL*

George Church, *Professor, Harvard Medical School, Boston, MA*

Chip Clark, *President and CEO, Genocea, Cambridge, MA*

Nathalie Clement, PhD, *Associate Professor of Pediatrics, University of Florida, Gainesville, FL*

Ron Cohen, MD, *President and CEO, Acorda Therapeutics, Inc., Ardsley, NY*

Charles L. Cooney, *Robert T. Haslam Professor of Biochemical Engineering, Emeritus, Massachusetts Institute of Technology, Cambridge, MA*

Manuela Corti, PT, PhD, *Associate Professor of Pediatrics, University of Florida, Gainesville, FL*

Bernard Coulie, *President and CEO, Pliant Therapeutics, San Francisco, CA*

Gerald F. Cox, MD, *Staff Physician in Genetics, Boston Children's Hospital, Boston, MA*

Alan Crane, *Entrepreneur Partner, Polaris Partners, Boston, MA*

Roger Crystal, MD, *CEO, Opiant, Santa Monica, CA*

Sally J. Curley, *CEO, CGIR, LLC, Savannah, GA*

Daniel A. de Boer, *CEO, ProQR Therapeutics, Cambridge, MA*

Steven R. Deitcher, MD, *President, CEO, Radimmune Therapeutics, Inc., San Mateo, CA*

Thomas J. DesRosie, *EVP, Chief Legal Officer, Seres Therapeutics, Cambridge, MA*

Douglas Doerfler, *Founder, President and CEO, MaxCyte, Inc., Gaithersburg, MA*

Ashley Dombkowski, PhD, *CEO and Co-founder, Alladapt Immunotherapeutics, Inc., Menlo Park, CA*

Daniel Dornbusch, *CEO, Exision Bio Therapeutics, Oakland, CA*

Dipal Doshi, *CEO, Entrada Therapeutics, Boston, MA*

Richard H. Douglas, *Chairman of the Board, Aldeyra Therapeutics, Southborough, MA*

Steve Elms, *Managing Partner, Aisling Capital LLC, New York, NY*

Stephen H. Embury, MD, *Founder, CEO and Chairman, Vanguard Therapeutics, Inc., Half Moon Bay, CA*

Mark J. Enyedy, *President and CEO, ImmunoGen, Inc., Boston, MA*

David R. Epstein, *Managing Director, Remedii LLC, Sunny Isles Beach, FL*

Robert Essner, *Executive Chairman, Elucida Oncology, Sarasota, FL*

Alan Ezekowitz, *CEO, Abide Therapeutics, San Diego, CA*

Douglas Fambrough, *President and CEO, Dicerna Pharmaceuticals, Lexington, MA*

Stephen J. Farr, PhD, *President and CEO, Zogenix, Inc., Emeryville, CA*

Wainwright Fishburn, *Global Head, Digital Health, Vice Chair, Path Institute, San Diego, CA*

Alexandria Forbes, *CEO, MeiraGTx, New York, NY*

JF Formela, *Partner, Atlas Venture, Cambridge, MA*

Kaye Foster, *Senior Advisor, The Boston Consulting Group, San Mateo, CA*

Jackie Fouse, *CEO, Agios Pharmaceuticals, Cambridge, MA*

Frederick Frank, *Chairman, Evolution Life Science Partners, New York, NY*

Martin Friedman, *Managing Member, Pharmakon Advisors, LP, New York, NY*

Nicholas Galakatos, PhD, *Head, Blackstone Life Sciences, Cambridge, MA*

Ilan Ganot, *Founder, President and CEO, Solid Bioscience, Cambridge, MA*

Jason Gardner, *CEO and President, Magenta Therapeutics, Cambridge, MA*

Scott Garland, *President and CEO, Portola Pharmaceuticals, Corte Madera, CA*

Georges Gemayel, *Independent Board Member, Sudbury, MA*

James A. Geraghty, *Chairman, Orchard Therapeutics, Boston, MA*

David V. Goeddel, *Managing Partner, The Column Group, San Francisco, CA*

Mark A. Goldberg, MD, *Member of the Board of Directors, Blueprint Medicines, Cambridge, MA*

Robert J. Gould, PhD, *President and CEO, Fulcrum Therapeutics, Inc., Cambridge, MA*

Kurt Graves, *Chairman, President and CEO, Intarcia Therapeutics, Boston, MA*

David Grayzel, *Partner, Atlas Venture, Cambridge, MA*

Barry Green, *President, Alnylam Pharmaceuticals, Boston, MA*

Yvonne Greenstreet, COO, Alnylam Pharmaceuticals, Philadelphia, PA

Sheila Gujrathi, MD, President and CEO, Gossamer Bio, San Diego, CA

John Hagan, CEO, Regulus, La Jolla, CA

David Hallal, Chairman and CEO, ElevateBio and AlloVir, Cambridge, MA

Faheem Hasnain, Chairman, Gossamer Bio and Mirati Therapeutics, San Diego, CA

John E. Hawkins, Author, Conscience & Courage, Charlottesville, VA

Russell Herndon, CEO, MediSix Therapeutics, Boston, MA

Richard Heyman, PhD, Chairman and Co-founder, ORIC Pharmaceutical, San Diego, CA

Steven H. Holtzman, CEO, Decibel Therapeutics, Boston, MA

Wende Hutton, General Partner, Canaan Partners, Menlo Park, CA

Douglas S. Ingram, President and CEO, Sarepta Therapeutics, Cambridge, MA

Steven P. James, President and CEO, PIONYR Immunotherapeutics, Inc., South San Francisco, CA

John H. Johnson, CEO, Melinta Therapeutics, FL

J. Kevin Judice, CEO, DiCE Molecules, Half Moon Bay, CA

Emil Kakkis, MD, President, CEO and Founder, Ultragenyx Pharmaceutical, Novato, CA

Johanne Kaplan, Chief Development Officer, ProMIS Neurosciences, Cambridge, MA

Perry Karsen, Chair, Board of Directors, Jounce Therapeutics and Intellia Therapeutics, Palo Alto, CA

Edward M. Kaye, MD, CEO, Stoke Therapeutics, Bedford, MA

Laurie Keating, EVP and Chief Legal Officer, Alnylam Pharmaceuticals, Inc., Cambridge, MA

Nina Kjellson, General Partner, Canaan, Sausalito, CA

Marc Kozin, Independent Board Member, Naples, FL

Samarth Kulkarni, PhD, CEO, CRISPR Therapeutics AG, Cambridge, MA

Neil Kumar, CEO, BridgeBio Pharma and Eidos Therapeutics, Palo Alto, CA

Lou Lange, MD, Former Chairman and CEO, CV Therapeutics, San Francisco, CA

Robert Langer, Institute Professor, Massachusetts Institute of Technology, Cambridge, MA

Donna L. LaVoie, CEO, LaVoieHealthScience, Boston, MA

Jeff Leerink, CEO, SVBLeerink, Boston, MA

Nick Leschly, Chief, Bluebird Bio, Cambridge, MA

Mark Levin, Partner, Third Rock Ventures, Boston, MA

Christine Lindenboom, *Vice President, Investor Relations and Corporate Communications, Alnylam Pharmaceuticals, Winchester, MA*

Patrick Lu, PhD, *President and CEO, Sirnaomics, Inc., Gaithersburg, MD*

Nagesh Mahanthappa, *CEO and President, Scholar Rock, Cambridge, MA*

Ram Mandalam, *CEO and President, Cellerant Therapeutics, San Carlos, CA*

Kiran Mazumdar-Shaw, *Chairperson, Biocon Ltd, New York, NY*

James McArthur, PhD, *Founder and President, R&D Cydan Inc & Founder and Director Imara Inc, Cambridge, MA*

Geoff McDonough, MD, *President and CEO, Generation BIO, Cambridge, MA*

David J. McLachlan, *Former VP Finance, Genzyme Corp, Former Corporate Director, Dyax Corp, Chelmsford, MA*

Dick Meijer, *CEO, RareMD Inc, Carlsbad, CA*

Steven J. Mento, PhD, *President and CEO, Conatus Pharmaceuticals, San Diego, CA*

Garry Menzel, PhD, *President and CEO, TCR Therapeutics, Cambridge, MA*

Jim Meyers, *Member of the Board of Directors, Sangamo Therapeutics, Hillsborough, CA*

Rachel Meyers, *Entrepreneur-in-Residence, Third Rock Ventures, Newton, MA*

Jill C. Milne, PhD, *President and CEO, Catabasis Pharmaceuticals, Boston, MA*

Kenneth I. Moch, *President and CEO, Cognition Therapeutics, Inc., Pittsburgh, PA*

Brett Monia, *CEO, Ionis Pharmaceuticals, Carlsbad, CA*

Bob More, *Partner, Alta Partners, Seattle, WA*

Scott W. Morrison, *Board Member and Advisor, Ernst & Young, Hillsborough, CA*

Briggs W. Morrison, MD, *CEO, Syndax Pharmaceuticals, Waltham, MA*

Robert Mulroy, *President and CEO, Partner Therapeutics, Inc., Lexington, MA*

Amit D. Munshi, *Director, President & CEO Arena Pharmaceuticals Inc., San Diego, CA*

Mark Murcko, *Chief Scientific Officer, Dewpoint Therapeutics, Holliston, MA*

Mike Narachi, *President and CEO, CODA Biotherapeutics, Santa Barbara, CA*

Amir Nashat, *Managing Partner, Polaris Partners, Boston, MA*

William J. Newell, *CEO, Sutro Biopharma, Inc., South San Francisco, CA*

Steven Nichtberger, MD, *Chairman and CEO, Cabaletta Bio, Philadelphia, PA*

Bernat Olle, *CEO, Vedanta Biosciences, Inc., Cambridge, MA*

John E. Osborn, *Venture Partner, BioVentures MedTech Funds, Wellesley, MA*

Julia C. Owens, PhD, *President and CEO, Milendo Therapeutics, Ann Arbor, MI*

Paris Panayiotopoulos, *Senior Managing Director, Blackstone Life Sciences, Cambridge, MA*

Stelios Papadopoulos, PhD, *Chairman of the Board of Directors, Biogen, Inc., Exelixis, Inc., Regulus Therapeutics, Inc., Great Neck, NY*

H. Stewart Parker, *Chairman, ARM Foundation for Cell and Gene Medicine, Principal, Parker BioConsulting, Chapel Hill, NC*

Kush M. Parmar, *Managing Partner, 5AM Ventures, Boston, MA*

Brian J G Pereira, *CEO, Visterra, Inc., Waltham, MA*

Mark Perry, *Independent Director, Global Blood Therapeutics and Chair, MyoKardia, Inc., Mill Valley, CA*

Cary G. Pfeffer, MD, *Partner, Third Rock Ventures, Lexington, MA*

William J. Polvino, MD, *CEO, Bridge Medicines, Jacob S. Lasdon House, New York, NY*

Richard Pops, *Chairman and CEO, Alkermes PLC, Dublin, Ireland*

Mark Pruzanski, MD, *President and CEO, Intercept Pharmaceuticals Inc, New York, NY*

Dennis J. Purcell, *Founder, Aisling Capital LLC, Rye, NY*

David E.I. Pyott, *Member of the Board of Directors, Alnylam Pharmaceuticals, Cambridge, MA*

Michael G. Raab, *President and CEO, Ardelyx, Inc., Fremont, CA*

Paula Ragan, *CEO, X4 Pharmaceuticals Inc., Cambridge, MA*

Amit Rakhit, MD, *President and CEO, Ovid Therapeutics, New York, NY*

Bill Rastetter, *Chairman, Neurocrine Biosciences and Fate Therapeutics and Dare Bioscience, Rancho Santa Fe, CA*

Jigar Raythatha, *President and CEO, Constellation Pharmaceuticals, Cambridge, MA*

Laurence Reid, *Entrepreneur in Residence, Third Rock Ventures, Cambridge, MA*

Ron Renaud, *CEO, Translate Bio, Lexington, MA*

Hollings Renton, *Member of the Board of Directors, Portola Pharmaceuticals, AnaptysBio and Zymeworks, Bend, Oregon*

Jason Rhodes, *Partner, Atlas Venture, Cambridge, MA*

Michael Richman, *President and CEO, NextCure, Inc., Beltsville, MD*

Chris E. Rivera, *Chairman and CEO, Emulate Therapeutics, Inc., Seattle, WA*

Howard Robin, *President and CEO, Nektar Therapeutics, San Francisco, CA*

Stephanie Rooijen, MD, *CEO, Dynacure, Strasbourg, France*

William J. Rutter, *Chairman and CEO, Synergenics, LLC, San Francisco, CA*

James Sapirstein, *President and CEO, AzurRx BioPharma, Delary Beach, FL*

Glenn Sblendorio, *President and CEO, iVeric Bio Inc., New York, NY*

George Scangos, PhD, *CEO, Vir Bio, San Francisco, CA*

John A. Scarlett, MD, *Chairman and CEO Geron Corporation, Menlo Park, CA*

Drew Schiff, *Managing Partner, Aisling Capital LLC, New York, NY*

Hans Schikan, PharmD, *Former CEO Prosen, CoFounder & Board Member, Pharvaris, Amsterdam, The Netherlands*

Stuart L. Schreiber, PhD, *Loeb Professor, Harvard University, Boston, MA*

Amy Schulman, *Managing Partner, Polaris Partners, New York, NY*

Paul Sekhri, *President and CEO, eGenesis, Inc., New York, NY*

Alpha Seth, *CEO and President, Proneurotech, San Francisco, CA*

Eric Shaff, *President and CEO, Seres Therapeutics, Cambridge, MA*

Stephen A. Sherwin, MD, *Clinical Professor of Medicine, UCSF, San Francisco, CA*

Jay M. Short, PhD, *Chairman, CEO, Co-founder, BioAlta, San Diego, CA*

Mark Simon, *Co-founder, Torrey Partners, New York NY*

Nancy Simonian, *CEO, Syros Pharmaceuticals, Wayland, MA*

Vikas Sinha, *CFO, ElevateBio and AlloVir, Boston, MA*

Moncef Slaoui, *Partner, Medicxi Venture Capital Firm, Gladwyne, PA*

Julie Anne Smith, *President and CEO, E-Scape Bio, Inc., South San Francisco, CA*

Erika R. Smith, *CEO, ReNetX Bio, Inc., New Haven, CT*

Jean-Pierre Sommadossi, PhD, *Chairman and CEO, Atea Pharmaceuticals, Inc., Boston, MA*

Paula Soteropoulos, *Member of the Board of Directors, uniQure (former CEO Akcea Therapeutics), Boston, MA*

Harald F. Stock, PhD, *Co-founder, CognifiSense, Inc., Park City, UT*

Clifford J. Stocks, *CEO, OncoResponse Inc., Seattle, WA*

Markus Stoffel, *Professor, Swiss Federal Institute of Technology, ETH Zurich, Zurich, Switzerland*

David Stump, MD, *Member of the Board of Directors, Portola Pharmaceuticals, Sunesis Pharmaceuticals, MacroGenics, and REGENXBIO, Potomac, MD*

Marshall Summar, MD, *Director, Rare Disease Institute, Children's National Medical Center, Washington, DC*

Mary T. Szela, *CEO, TriSalus Life Sciences, Westminster, CO*

Robert Pepper, MD, *Partner, Third Rock Ventures, Weston, MA*

Mark Timney, *CEO, The Medicines Company, Parsippany, NJ*

Matthew C. Tindall, *Co-founder, President and CEO, Flightpath Biosciences, Inc., Berkeley, CA*

Praveen Tipirneni, *CEO, Morphic Therapeutic, Lexington, MA*

Andre Turenne, *CEO, Voyager Pharmaceuticals, Cambridge, MA*

Arthur Tzianabos, PhD, *President and CEO, Homology Medicines, Inc., Bedford, MA*

Rogério Vivaldi, MD, *President and CEO, Sigilon Therapeutics, Cambridge, MA*

Alan Walts, *Executive Chairman, Artax Biopharma, Charlestown, MA*

Neil Warma, *CEO/General Manager, I-Mab Biopharma U.S., Rockville, MD*

Gregory T. Went, PhD, *Founder, Strategic Advisor, Adamas Pharmaceuticals, Independent Consultant, San Francisco, CA*

Wendell Wierenga, PhD, *Chairman, Crinetics Pharmaceuticals Inc., San Diego, CA*

Eugene Williams, *Executive Chairman, ProMIS Neurosciences, Cambridge, MA*

Douglas E. Williams, PhD, *President and CEO, Codiak BioSciences, Cambridge, MA*

Matt Wilsey, *CEO, Grace Science, LLC, San Francisco, CA*

James M. Wilson, MD, *Rose H Weiss Professor and Director of the Orphan Disease Center, University of Pennsylvania, Philadelphia, PA*

Rick Winningham, *Chairman and CEO, Theravance BioPharma, Inc., South San Francisco, CA*

Peter Wirth, *Chairman, Syros Pharmaceuticals, Inc; FORMA Therapeutics Holdings, Inc, Boston, MA*

H. Ward Wolff, *Member of the Board of Directors, Portola Pharmaceuticals, Calithera Biosciences and Sunesis Pharmaceuticals, Greenbrae, CA*

Kleanthis G. Xanthopoulos, *President and CEO, IRRAS, San Diego, CA*

Angie You, *CEO, Amunix Pharmaceuticals, Mountain View, CA*

Bradford Zakes, *President and CEO/BIO Board Member, Cerevast Medical, Inc., Bothell, WA*

Elias A. Zerhouni, MD, *Emeritus Professor, Johns Hopkins University, Baltimore, MD*

Sandy Zweifach, *Chairman, Palladio Bioscience, Inc., Sausalito, CA*