



Rafael Pharmaceuticals

Executive Bios

Howard S. Jonas

EXECUTIVE CHAIRMAN

Mr. Jonas is the Founder and Chairman of IDT Corporation (NYSE: IDT), Genie Energy (NYSE: GNE), and IDW Media (OTC: IDWM). He was also the Founder and controlling shareholder of Straight Path Communications, Inc (NYSE: STRP), which was acquired by Verizon for \$3.1 Billion. Mr. Jonas has extensive leadership experience in founding and growing public companies, and has sold multiple businesses in deals worth both hundreds of millions and billions of dollars. He received his B.A. in economics from Harvard University.

Robert Shorr, Ph.D., DIC

CO-FOUNDER AND CHIEF SCIENTIFIC OFFICER

Dr. Shorr has a 40-year track record in drug discovery from concept through approval and market launch. As Rafael's Chief Scientific Officer, Dr. Shorr's primary focus is on the discovery and development of safe and effective novel drugs and delivery technology. He has previously served as VP of Science and Technology at Enzon Pharma, VP of Science and Technology and Chief Scientist at United Therapeutics, and Associate Director of Molecular Pharmacology at SmithKline Beecham. At Enzon, Dr. Shorr was responsible for co-development with Schering-Plough of the blockbuster drug, PEG INTRON A, for the treatment of hepatitis and certain forms of melanoma. Dr. Shorr has authored more than 250 technical articles, abstracts, book chapters and conference proceedings and has more than 150 inventions with more than 300 issued

and pending patents worldwide. He earned his Ph.D. from the University of London, and a DIC from the University of London Imperial College of Science and Technology.

David A. Polinsky, Esq.

PRESIDENT AND GENERAL COUNSEL

Mr. Polinsky co-founded Cornerstone, Rafael's predecessor company, and served as Vice President and General Counsel since 2002, and President and General Counsel since 2016. David is responsible for implementing the Company's strategic plan as well as corporate governance, financings, property (intellectual and real estate), licensing, and mergers and acquisitions. Prior to joining Cornerstone, David served as Vice President and General Counsel for a New York-based real estate investment and management company. In partnership with the Honorable Edward I. Koch, former Mayor of New York City, David founded and served as CEO of a company that licensed and developed TheLaw.com, a leading legal website that received national and international acclaim, and was featured in The New York Times.

Sanjeev Luther

CHIEF OPERATING OFFICER

Mr. Luther has 25+ years of experience in healthcare, specialty pharma and bio-pharma industry segments in strategy, business development, alliances, commercialization and operations. At Rafael, he is responsible for operational and strategic leadership including product development, chemistry, manufacturing, and controls (CMC), regulatory, corporate and business development. Mr. Luther has previously worked for leading pharmaceutical companies including Bristol-Myers Squibb, Novartis, Bausch and Lomb, GE Healthcare and Mallinckrodt Pharmaceuticals. He earned his B.S. and M.B.A. in Business Administration from SUNY Buffalo.

Timothy S. Pardee, M.D., Ph.D.

CHIEF ONCOLOGIST

Dr. Pardee is an Associate professor and the Director of Leukemia Translational Research at the Comprehensive Cancer Center of Wake Forest Baptist Medical Center. He heads an NCI-funded research program focused on the role of cellular metabolism

in cancer cell survival and resistance to therapy as well as novel therapeutics. Dr. Pardee has played a lead role in the development of the novel metabolism-targeting agent CPI-613. He earned his M.D. and his Ph.D. from SUNY Buffalo.

Mike Hu, Ph.D.

VP, RESEARCH AND DEVELOPMENT

Dr. Hu has 18 years of experience in clinical and pre-clinical research, pharmaceutical drug development, and academia. He has previously held leadership and management roles at Novartis, GlaxoSmithKline and Jazz Pharmaceuticals. Over his career, Dr. Hu has primarily focused on building up pipelines for big pharma and small biotech companies in oncology and hematology related therapeutic areas. He has contributed to the development, submission, approval and life cycle management of 18 drugs in various indications including multi-billion dollar franchises. Dr. Hu earned his Ph.D. in Pharmaceutical Sciences from Shenyang Pharmaceutical University.

Paul Bingham, Ph.D.

VP, RESEARCH

Prof. Bingham is a molecular biologist, an evolutionary biologist, and an Associate Professor in the Department of Biochemistry and Cell Biology at Stony Brook University. He was the co-discoverer of the first Altered Energy Metabolism Directed (AEMD) compounds. Prof. Bingham has published numerous papers, peer-reviewed articles, and book chapters on molecular and evolutionary biology. In 2008, Prof. Bingham and his colleague, Prof. Zuzana Zachar, received the Michael Maffetone Award for Cancer Research from the Carol M. Baldwin Breast Cancer Research Fund. He earned a M.S. in Microbiology from the University of Illinois, and a Ph.D. in Biochemistry and Molecular Biology from Harvard University.

Zuzana Zachar, Ph.D.

DIRECTOR OF RESEARCH

Prof. Zachar has a dual appointment with the Department of Biochemistry and Cell Biology and with the Institute for STEM education (iSTEM) at Stony Brook University. She heads a research laboratory in the Department of Biochemistry & Cell Biology and

is the Director of the Masters in Teaching Biology Program for iSTEM. She has many significant publications in transposon biology, regulation of alternative splicing of mRNA, and nuclear architecture. Prof. Zachar was the co-discoverer of the first Altered Energy Metabolism Directed (AEMD) compounds along with Prof. Paul Bingham. She received her MS.c. in Microbiology from the University of Illinois, and a Ph.D. in Genetics from Stony Brook University.