

## DIRECTORS AND SENIOR MANAGEMENT OF OPKO HEALTH, INC.

### **Opko Health, Inc. Senior Management**

1. **Phillip Frost, M.D.** - Chief Executive Officer and Chairman.
2. **Jane H. Hsiao, Ph.D., M.B.A.** - Vice Chairman and Chief Technical Officer.
3. **Steven D. Rubin** - Executive Vice President – Administration.
4. **Juan Rodriguez, CFO** - Senior Vice President and Chief Financial Officer.

### **Opko Health, Inc. Board of Directors**

1. **Phillip Frost, M.D.** - Chief Executive Officer and Chairman.
2. **Jane H. Hsiao, Ph.D., M.B.A.** - Vice Chairman and Chief Technical Officer.
3. **Steven D. Rubin** - Executive Vice President – Administration.
4. **Robert A. Baron.**
5. **Thomas E. Beier.**
6. **Dmitry Kolosov.**
7. **Richard A. Lerner, M.D.**
8. **John A. Paganelli.**
9. **Richard C. Pfenniger, Jr.**
10. **Alice Lin-Tsing Yu, M.D., Ph.D.**

### **Professional Biographies of the Senior Management**

1. **Phillip Frost, M.D.** - *Chief Executive Officer and Chairman.*

Dr. Frost has been the CEO and Chairman of OPKO since March 2007. Dr. Frost was named the Chairman of the Board of Teva (NYSE:TEVA) in March 2010 and had previously been Vice Chairman since January 2006 when Teva acquired IVAX Corporation, or IVAX. Dr. Frost had served as Chairman of the Board of Directors and Chief Executive Officer of IVAX since 1987. He was Chairman of the Department of Dermatology at Mt. Sinai Medical Center of Greater Miami, Miami Beach, Florida from 1972 to 1986. Dr. Frost was Chairman of the Board of Directors of Key Pharmaceuticals, Inc. from 1972 until the acquisition of Key Pharmaceuticals by Schering Plough Corporation in 1986. Dr. Frost was named Chairman of the Board of Ladenburg Thalmann Financial Services Inc. (NYSE MKT:LTS), an investment banking, asset management, and securities brokerage firm providing services through its principal operating subsidiary, Ladenburg Thalmann & Co. Inc., in July 2006 and has been a director of Ladenburg Thalmann from 2001 until 2002 and again since 2004. Dr. Frost also serves as Chairman of the Board of Directors of PROLOR (NYSE MKT:PBTH), a development stage biopharmaceutical company. He serves as a member of the Board of Trustees of the University of Miami and as a Trustee of each of the Miami Jewish Home for the Aged and the Mount Sinai Medical Center. Dr. Frost is also a director of Castle Brands (NYSE MKT:ROX), a developer and marketer of premium

brand spirits. Dr. Frost previously served as a director for Continucare Corporation, Northrop Grumman Corp., and Ideation Acquisition Corp., as Governor and Co-Vice-Chairman of the American Stock Exchange (now NYSE MKT), and as a member of the Board of Trustees of the Scripps Research Institute until November 2012.

Dr. Frost has successfully founded several pharmaceutical companies and overseen the development and commercialization of a multitude of pharmaceutical products. This combined with his experience as a physician and chairman and/or chief executive officer of large pharmaceutical companies has given him insight into virtually every facet of the pharmaceutical business and drug development and commercialization process.

He is a demonstrated leader with keen business understanding and is uniquely positioned to help guide OPKO through its transition from a development stage company into a successful, multinational biopharmaceutical and diagnostics company.

2. **Jane H. Hsiao, Ph.D., M.B.A.** - *Vice Chairman and Chief Technical Officer.*

Dr. Hsiao has served as Vice-Chairman and Chief Technical Officer of OPKO since May 2007. Dr. Hsiao served as the Vice Chairman-Technical Affairs of IVAX from 1995 to January 2006. Dr. Hsiao served as Chairman, Chief Executive Officer and President of IVAX Animal Health, IVAX's veterinary products subsidiary, from 1998 to 2006. Dr. Hsiao has served as Chairman of the Board of each of Safestitch Medical, Inc. (OTCQB:SFES) and Non-Invasive Monitoring Systems, Inc. (OTCBB:NIMU), both medical device companies, since September 2007 and October 2008, respectively, and was named Interim Chief Executive Officer of Non-Invasive Monitoring Systems, Inc. in February 2012. Dr. Hsiao is also a director of PROLOR (NYSE MKT: PBTH), a development stage biopharmaceutical company and Neovasc, Inc. (TSXV:NVC), a company developing and marketing medical specialty vascular devices. Dr. Hsiao previously served as a director for Sorrento Therapeutics, Inc. (OTCBB:SRNE), a development stage biopharmaceutical company.

Dr. Hsiao's background in pharmaceutical chemistry and strong technical expertise, as well as her senior management experience, allow her to play an integral role in overseeing OPKO's product development and regulatory affairs and in navigating the regulatory pathways for OPKO's products and product candidates. In addition, as a result of her role as director and/or chairman of other companies in the biotechnology and life sciences space, she also has a keen understanding and appreciation of the many regulatory and development issues confronting pharmaceutical and biotechnology companies

3. **Steven D. Rubin** - *Executive Vice President – Administration.*

Mr. Rubin has served as Executive Vice President—Administration since May 2007 and as a director of OPKO since February 2007. Mr. Rubin served as the Senior Vice President, General Counsel and Secretary of IVAX from August 2001 until September 2006. Mr. Rubin currently serves on the Board of Directors of Safestitch Medical, Inc. (OTCQB:SFES), a medical device company, Tiger Media, Inc., (NYSE MKT:IDI), a multi-platform billboard and advertising company in China, PROLOR (NYSE MKT: PBTH), a development stage biopharmaceutical company, Kidville, Inc. (OTCBB:KVIL), which operates large, upscale facilities, catering to newborns through five year-old children and their families and offers a wide range of developmental classes for newborns to 5 year olds, Non-Invasive Monitoring Systems, Inc. (OTCBB:NIMU), a medical device company, Tiger X Medical, Inc. (OTCBB:CDOM), previously an early-stage orthopedic medical device company specializing in designing, developing and marketing reconstructive joint devices and spinal surgical devices,

Castle Brands, Inc. (NYSE MKT:ROX), a developer and marketer of premium brand spirits, and Neovasc, Inc. (TSXV:NVC), a company developing and marketing medical specialty vascular devices. Mr. Rubin previously served on the Board of Directors of Dreams, Inc., a vertically integrated sports licensing and products company (NYSE MKT: DRJ).

Mr. Rubin brings extensive leadership, business, and legal experience, as well as tremendous knowledge of OPKO's business and the pharmaceutical industry generally, to the board. He has advised pharmaceutical companies in several aspects of business, regulatory, transactional, and legal affairs for more than 24 years. His experience as a practicing lawyer, general counsel, and board member to multiple public companies, including several pharmaceutical and life sciences companies, has given him broad understanding and expertise, particularly relating to strategic planning and acquisitions.

4. **Juan Rodriguez, CFO** - *Senior Vice President and Chief Financial Officer.*

Mr. Rodriguez was appointed Senior Vice President and Chief Financial Officer of the Company on July 16, 2012. Immediately prior to joining OPKO, Mr. Rodriguez had served as a consultant to Cognitec Systems GmbH, a German software developer, since 2007. From 1995 to 2007, prior to its acquisition by Abbott Laboratories, Mr. Rodriguez had worked with Kos Pharmaceuticals, Inc., a publicly traded, specialty pharmaceutical company engaged in the development and commercialization of proprietary prescription products. During his approximately twelve years at Kos, Mr. Rodriguez held various positions of increasing responsibility, including serving as Interim Chief Financial Officer and finally serving as Senior Vice President, Controller and Corporate Administration. Prior to joining Kos, Mr. Rodriguez was employed by Arthur Andersen LLP from 1991 to 1994. He is a Certified Public Accountant and obtained his Bachelor of Accounting from Florida International University.

## **Professional Biographies of Members of the Board of Directors**

4. **Robert A. Baron**

Mr. Baron has served as a director of OPKO since 2003. Mr. Baron is currently a director of Green States Energy, an independent power producer focused on developing, acquiring, owning, and operating clean energy generation facilities to provide clean, reliable electric service to local governments and utilities, as well as commercial and industrial clients. Mr. Baron was President of Cash City, Inc., a payday advance and check cashing business, from 1999 to 2003. From 1997 to 1999, Mr. Baron was the President of East coast operations for CSS/TSC, Inc., a distributor of blank t-shirts, fleece and accessories and a subsidiary of Tultex, Inc. Mr. Baron previously served as a director of Andover Medical, Inc., Hemobiotech, Inc. and Nanosensors, Inc.

Mr. Baron's history as an operating executive in a variety of industries combined with his experience as a director in other public companies, including other pharmaceutical and medical equipment manufacturers, allows him to bring strategic insight to the board with respect to OPKO's business as well as emerging technologies and business models. Through these experiences, Mr. Baron has also developed an appreciation for audit and corporate governance related issues and, he uses these skills as a member of the Audit Committee and Corporate Governance and Nominating Committee of OPKO's Board of Directors.

5. **Thomas E. Beier**

Mr. Beier has served as a director of OPKO since January 2008. Previously, he was Senior Vice President of Finance and Chief Financial Officer of IVAX from October

1997 until August 2006, and from December 1996 until October 1997, he served as Vice President-Finance for IVAX. Before joining IVAX, Mr. Beier served as Executive Vice President and Chief Financial Officer of Intercontinental Bank. Mr. Beier previously served as a director of Ideation Acquisition Corp.

As a result of Mr. Beier's long tenure as a chief financial officer, he brings with him a strong financial and operational background and provides valuable business leadership and management experience and insights into many aspects of OPKO's business. Mr. Beier also brings financial expertise to the board.

6. **Dmitry Kolosov**

Mr. Kolosov has served as a director of OPKO since June 2012. Mr. Kolosov, an attorney, presently serves as the Vice President, Chief of Staff, and Member of the Management Board of the Skolkovo Foundation, a nonprofit organization in Russia charged with creating a new science and technology city in the Moscow suburb of Skolkovo, which comprises a university, research institutions, centers of collective usage, business incubator, technology transfer and commercialization office, corporate offices and research and development centers, as well as residential space and social infrastructure. From 2002 until 2010 when he joined the Skolkovo Foundation, Mr. Kolosov served in various positions, including as Executive Secretary of the Board of Directors and Head of Shareholder Relations, and as Advisor to the Executive Chairman of the Board, of TNK-BP, a joint venture between BP plc and the Alfa-Access-Renova consortium, and among the ten largest private oil companies in the world, recently acquired by Russian state-controlled Rosneft. Mr. Kolosov currently serves on the Board of Directors of Ladenburg Thalmann Financial Services Inc. (NYSE MKT:LTS), an investment banking, asset management, and securities brokerage firm providing services through its principal operating subsidiary, Ladenburg Thalmann & Co. Inc.

Through his tenure with a large multi-national corporation and the Skolkovo Foundation, Mr. Kolosov has significant experience with international business and cross-border transactions, particularly in emerging markets, that will assist OPKO as it expands internationally.

7. **Richard A. Lerner, M.D.**

Dr. Lerner has served as a director of OPKO since March 2007. Dr. Lerner served as President of The Scripps Research Institute, a private, non-profit biomedical research organization, from 1986 until 2011 and is currently serving as an institute professor. Dr. Lerner is a member of numerous scientific associations, including the National Academy of Science and the Royal Swedish Academy of Sciences. Dr. Lerner serves as director of Sequenom, Inc. (Nasal: SQNM), a life sciences company. He is also on the Board of Directors for Intra-Cellular Therapies, a privately held biotechnology company, and the board of Teva (NYSE:TEVA). He previously served as a director of Kraft Foods, Inc. and Xencor, a privately held biotechnology company, and on the Siemens' Advisory Board for Molecular Medicine of Siemens AG.

As a result of Dr. Lerner's long tenure as President of a major biomedical research organization, he provides valuable business, scientific, leadership, and management expertise that helps drive strategic direction and expansion at OPKO. His experience and training as a physician and a scientist enables him to bring valuable advice to the board, including a critical perspective on drug discovery and development and providing a fundamental understanding of the potential pathways contributing to disease.

8. **John A. Paganelli**

Mr. Paganelli has served as a director of OPKO since December 2003. Mr. Paganelli served as OPKO's Interim Chief Executive Officer and secretary from June 29, 2005 through March 27, 2007, and Chairman of OPKO's Board of Directors from December 2003 through March 27, 2007. Mr. Paganelli served as President and Chief Executive Officer of Transamerica Life Insurance Company of New York from 1992 to 1997. Since 1987, Mr. Paganelli has been a partner in RFG Associates, a financial planning organization. Mr. Paganelli is also the Managing Partner of Pharos Systems Partners, LLC, an investment company, and he is Chairman of the Board of Pharos Systems International, a software company. He was Vice President and Executive Vice President of PEG Capital Management, an investment advisory organization, from 1987 until 2000. From 1980 to January 2003, Mr. Paganelli was an officer and director-stockholder of Mike Barnard Chevrolet, Inc., an automobile dealership. Mr. Paganelli also serves as a director of Western New York Energy, LLC and is on the Board of Trustees of Paul Smith's College. Mr. Paganelli previously served on the Board of Managers of Bridge Financial Services, LLC.

With his significant experience in investment management and operations, Mr. Paganelli is able to add valuable expertise and insight to OPKO's board on a wide range of operational and financial issues. As one of the longest tenured members of OPKO's board, he also has substantial knowledge and familiarity regarding OPKO's historical operations.

9. **Richard C. Pfenniger, Jr.**

Mr. Pfenniger has served as a director of OPKO since January 2008. Currently, Mr. Pfenniger is Interim CEO of IntegraMed America, Inc., a privately held company that operates highly specialized outpatient centers in technology-based medical sectors. Mr. Pfenniger served as Chief Executive Officer and President for Continucare Corporation (NYSE:CNU), a provider of primary care physician and practice management services, from October 2003 until October 2011, and served as Chairman of the Board of Directors of Continucare Corporation from September 2002 until October 2011. Previously, Mr. Pfenniger served as the Chief Executive Officer and Vice Chairman of Whitman Education Group, Inc. from 1997 through June 2003. Prior to joining Whitman, he served as the Chief Operating Officer of IVAX from 1994 to 1997, and, from 1989 to 1994, he served as the Senior Vice President-Legal Affairs and General Counsel of IVAX. Mr. Pfenniger currently serves as a director of GP Strategies Corporation (NYSE:GPX), a corporate education and training company, Safestitch Medical, Inc. (OTCQB:SFES), a medical device company, and IntegraMed America.

As a result of Mr. Pfenniger's multi-faceted experience as chief executive officer, chief operating officer and general counsel, he is able to provide valuable business, leadership, and management advice to the board in many critical areas. In addition, Mr. Pfenniger's knowledge of the pharmaceutical and healthcare business has given him insights on many aspects of OPKO's business and the markets in which OPKO operates. Mr. Pfenniger also brings financial expertise to the board, including through his service as Chairman of OPKO's Audit Committee.

10. **Alice Lin-Tsing Yu, M.D., Ph.D.**

Dr. Yu was appointed to OPKO's Board of Directors in April 2009. Since 2003, Dr. Yu has served as Distinguished Research Fellow and Associate Director at the Genomics Research Center. She has also served as a Professor of Pediatrics for both the National Taiwan University and University of California in San Diego, since 2004 and 1994, respectively. Previously, she was the Chief of Pediatric Hematology Oncology at the University of California in San Diego. Dr. Yu has also served in several government-

appointed positions and is a member of numerous scientific committees and associations.

Dr. Yu is an accomplished physician, professor, and researcher who brings a unique perspective to OPKO's board on a variety of healthcare related issues. The insight and experience gained from her distinguished record of achievement at several highly respected academic medical institutions, as well as her experience as a practicing physician, are valuable to OPKO's efforts to develop and commercialize OPKO's pipeline of diagnostic and therapeutic products.