
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

SCHEDULE 14A INFORMATION

**Proxy Statement Pursuant to Section 14(a) of the
Securities Exchange Act of 1934**

Filed by the Registrant

OPKO HEALTH, INC.

**PROXY STATEMENT FOR THE 2023 ANNUAL MEETING OF STOCKHOLDERS
TO BE HELD
THURSDAY, JUNE 22, 2023**

This proxy statement is being made available to you by the Board of Directors (the "Board") of OPKO Health, Inc., a Delaware corporation (the "Company," "OPKO," or "we," "us" or "our") in connection with the solicitation of proxies to be voted at the Annual Meeting of Stockholders of the Company on Thursday, June 22, 2023, beginning at 10:00 a.m. Eastern Time, and all adjournments thereof (the "Annual Meeting"). The 2023 Annual Meeting will be a virtual meeting of stockholders to be held on



The virtual meeting platform is fully supported across browsers (Internet Explorer, Firefox, Chrome, and Safari) and devices (desktops, laptops, tablets, and cell phones) running the most updated version of applicable software and plugins. Participants should ensure that they have a strong Internet connection wherever they intend to participate in the meeting. Participants should also give themselves plenty of time to dial-in to the conference call or log in and ensure that they can hear audio prior to the start of the meeting.

The presence, in person via participation in the virtual meeting or by proxy, of holders of a majority of our outstanding common stock entitled to vote constitutes a quorum at the Annual Meeting. Shares of our stock represented by proxies that reflect abstentions will be counted for the purpose of determining the existence of a quorum at the Annual Meeting, but will have no effect on the election of directors, the Say on Pay proposal, the Say on Frequency proposal, or the ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2023.

Shares of stock represented by proxies that reflect “broker non-votes” (i.e., stock represented at the Annual Meeting by proxies held by brokers or nominees as to which (i) the brokers or nominees have not received voting instructions from the beneficial owners of such shares and (ii) the brokers, or nominees, do not have the discretionary voting power on a particular matter) will be counted for the purpose of determining the existence of a quorum at the Annual Meeting because brokers have discretion to vote on at least one proposal at the Annual Meeting. A broker does not have the discretion to vote on the election of directors, the non-binding Say on Pay proposal, or the non-binding Say on Frequency proposal. A broker non-vote will have no effect on the election of directors, the Say on Pay proposal, or the Say on Frequency proposal. A broker has the discretion to vote on the ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2023; therefore, if the broker exercises its discretion to vote on the proposal to ratify the appointment of Ernst & Young LLP as independent registered public accounting firm for the fiscal year ending December 31, 2023, its vote will be counted for purposes of determining the outcome of that proposal.

Any stockholder giving a proxy will have the right to revoke it at any time prior to the time it is voted. A proxy may be revoked by: (i) written notice to us on the date of or prior to the Annual Meeting at our executive offices located at 4400 Biscayne Blvd., Miami, Florida 33137, attention: Secretary; (ii) execution of a subsequent proxy; (iii) participating and voting electronically at the Annual Meeting by completing a ballot online during the live webcast; or (iv) re-voting by telephone or by Internet prior to the meeting (only your latest telephone or Internet vote will be counted). Participation at the Annual Meeting will not automatically revoke your proxy. If your shares are held in the name of a broker or nominee, you must follow the instructions of your broker or nominee to revoke a previously given proxy. All shares of our stock represented by effective proxies will be voted at the Annual Meeting or at any adjournment thereof. **Unless otherwise specified in the proxy,**

PROPOSAL ONE:

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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 our Company through its transition from a development stage company into a successful, multinational biopharmaceutical and diagnostics company.

Jane H. Hsiao, Ph.D., MBA. Dr. Hsiao has served as Vice-Chairman and Chief Technical Officer of the Company since May 2007 and as a director since February 2007. Dr. Hsiao has served as Chairman of the Board of Non-Invasive Monitoring Systems, Inc. (OTC US:NIMU), a medical device company, since October 2008 and was named Interim Chief Executive Officer of Non-Invasive Monitoring Systems, Inc. in February 2012. Dr. Hsiao previously served as a director of Cocystal Pharma, Inc. (NASDAQ:COCP), a biotechnology company developing new treatments for AIDS and other

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Alice Lin-Tsing Yu, M.D., Ph.D. Dr. Yu has served on the Company's Board of Directors since April 2009. She has been a Professor of Pediatrics for the University of California in San Diego since 1994. Previously, she was the Chief of Pediatric Hematology Oncology at the University of California in San Diego. From 2003 to May 2013, Dr. Yu served as a Distinguished Research Fellow and Associate Director at the Genomics Research Center, Academia Sinica, in Taiwan. Dr. Yu has also served in several government-appointed advisory positions and is a member of numerous scientific committees.

Identification of Executive Officers

Our Executive Officers are Phillip Frost, Jane H. Hsiao, Elias A. Zerhouni, and Steven D. Rubin, for whom age, title and biographical information is included above under “Nominees for Election of Directors”, as well as Adam Logal, whose age, title and biographical information are set forth below:

Name of Executive Officer	Age	Position and Offices with the Company
Adam Logal	45	Senior Vice President, Chief Financial Officer, Chief Accounting Officer, and Treasurer

Adam Logal. Mr. Logal has served as OPKO’s Senior Vice President, Chief Financial Officer, Chief Accounting Officer, and Treasurer since March 2014, Vice President of Finance, Chief Accounting Officer and Treasurer from July 2012 until March 2014, and Director of Finance, Chief Accounting Officer and Treasurer from March 2007 until July 2012. In addition, Mr. Logal also served as President of GeneDx, a subsidiary of OPKO, from July 2020 to June 2021. He currently serves as chairman of the board of directors of Xenetics Biosciences, Inc. (NASDAQ CM:XBIO), a clinical-stage biopharmaceutical company focused on discovery, research and development of next-generation biologic drugs and novel orphan oncology therapeutics. He previously served on the board of directors of VBI Vaccines, Inc. (NASDAQ:VBIV) from April 2014 until 2018. From 2002 to 2007, Mr. Logal served in senior management of Nabi Biopharmaceuticals, a publicly traded, biopharmaceutical company engaged in the development and commercialization of proprietary products. Mr. Logal held various positions of increasing responsibility at Nabi Biopharmaceuticals, last serving as Senior Director of Accounting and Reporting.

Identification of Certain Other Officers

Set forth below are certain other officers important to our organization and biographical information for each of them:

Charles W. Bishop, PhD. Dr. Bishop, age 71, has served as Chief Executive Officer of OPKO Renal since our acquisition of Cytochroma Inc. in March 2013. Dr. Bishop was responsible for the successful development and FDA approval of Rayaldee (calcifediol) Extended-Release Capsules. Dr. Bishop had served as President and Chief Executive Officer of Cytochroma since June 2006. Dr. Bishop co-founded Proventiv Therapeutics, LLC in September 2005 for which he served as President until June 2006 when Proventiv and its lead drug, *Rayaldee*TM, were acquired by Cytochroma. During the period from September 1987 to June 2005, Dr. Bishop held various senior management positions at Bone Care International, Inc. (“Bone Care”), a public specialty pharmaceutical company focused on developing and commercializing vitamin D hormone therapies. Dr. Bishop’s positions with Bone Care included President, Chief Executive Officer, Director, Executive Vice President of Research and Development, and Chief Scientific Officer. Bone Care was acquired for \$720 million by Genzyme Corporation in July 2005. Prior to joining Bone Care, Dr. Bishop held various management positions in the Health Care Division of the Procter & Gamble Company. Dr. Bishop completed a four-year National Institutes of Health Postdoctoral Fellowship in vitamin D Biochemistry at the University of Wisconsin-Madison and received his PhD degree in Nutritional Biochemistry from Virginia Polytechnic Institute and State University, after earning an undergraduate degree in Chemistry from the University of \$nal Bioel Bistiy d0f sonehnic 1a nre includnt, altyu yre uon copDf

Family Relationships

There are no family relationships among the Comp e s f o n t C N m o l o





Board Role in Risk Oversight

The Board's role in the risk oversight process includes receiving regular reports from members of senior management on areas of material risk to the Company, including operational, financial, legal and regulatory, and strategic and reputational risks. In connection with its reviews of the operations of the Company's business units and corporate functions, the Board considers and addresses the primary risks associated with those units and functions. Our full Board regularly engages in discussions of the most significant risks that the Company is facidæ ~ 0

The following table shows the current members (indicated by an “X” or “Chair”) of each of our standing Board committees:

	Audit	Compensation	Corporate Governance and Nominating	Independent Investment	Succession
Phillip Frost, M.D.	—	—	—	—	—
Jane H. Hsiao, Ph.D., MBA	—	—	—	—	—
Steven D. Rubin	—	—	—	—	—
Elias A. Zerhouni, M.D.	—	—	—	—	—
Gary J. Nabel, M.D., Ph.D.	—	—	—	—	—
Alexis Borisy	—	—	—	—	—
Richard M. Krasno, Ph.D.	X	Chair	—	X	X
Prem A. Lachman, Ph.D.	X	X	X	Chair	—
Roger J. Medel, M.D.	—	X	X	—	—
John A. Paganelli	X	—	Chair	X	X
Richard C. Pfenniger, Jr.	Chair	—	—	—	Chair
Alice Lin-Tsing Yu, M.D., Ph.D.	—	—	—	—	—

Audit Committee

Our Audit Committee oversees our corporate accounting and financial reporting process. Our Audit Committee met eleven times during fiscal 2022. The responsibilities of our Audit Committee are set forth in a written charter adopted by our Board of Directors and are reviewed and reassessed on an annual basis by the Audit Committee. Among other things, our Audit Committee:

- appoints, compensates, retains, and oversees the work of our independent registered public accounting firm;
- approves the retention of our independent registered public accounting firm to perform any proposed permissible non-audit services;
- reviews our systems of internal controls established for finance, accounting, legal, compliance, and ethics;
- reviews our accounting and financial reporting processes;
- provides for effective communication between our Board of Directors, our senior and financial management, and our independent registered public accounting firm;
- discusses with management and our independent registered public accounting firm the results of our annual audit and the review of our quarterly financial statements;
- reviews the audits of our financial statements;
- implements a pre-approval policy for certain audit and non-audit services performed by our registered independent public accounting firm;
- reviews risks relating to financial statements, auditing and financial reporting process, key credit risks, liquidity risks and market risks;
- discusses policies with respect to risk assessment and risk management and reports to our Board of Directors;

- establishes procedures for receipt, retention, and treatment of complaints regarding accounting, internal controls, or auditing matters; and
- reviews and approves any related party transactions that we are involved in.

Our Audit Committee is composed of Messrs. Pfenniger (Chairman) and Paganelli, and Drs. Krasno and Lachman. Our Board of Directors has determined that Mr. Pfenniger, who is independent (as independence for audit committee members is defined in NASDAQ listing standards and applicable Securities and Exchange Commission (“SEC”) rules), is an “audit committee financial expert” as defined in Item 407(d)(5)(ii) of Regulation S-K.

Compensation Committee

Our Compensation Committee reviews and approves, on behalf of the Board, (i) annual salaries, bonuses, and other compensation for our executive officers, and (ii) employee benefit plans for our employees and executive officers. Our Compensation Committee recommends to the Board for approval, (i) compensation for the Company’s directors, and (ii) incentive compensation plans, equity plans and deferred compensation plans. Our Compensation Committee also oversees our compensation policies and practices. Our Compensation Committee met seven times and took action by written consent on one occasion during fiscal 2022. Our Compensation Committee may from time to time establish a subcommittee to perform any action required to be performed by a committee of “non-employee directors” pursuant to Rule 16b-3 under the Exchange Act and “outside directors” pursuant to Rule 162(m) under the Internal Revenue Code (the “Code”).

Our Compensation Committee also performs the following functions related to executive compensation:

- reviews and approves the annual salary, bonus, stock options, and other benefits, direct and indirect, of our executive officers, including our Chief Executive Officer;
- reviews and recommends new executive compensation programs and reviews the operation and efficacy of our executive compensation programs;
- establishes and periodically reviews policies in the area of senior management perquisites;
- reviews and approves material changes in our employee benefit plans; and
- administers our equity compensation and employee stock purchase plans.

The Compensation Committee relies heavily on the recommendations of our Chief Executive Officer concerning compensation actions for our executive officers, other than himself; and the Compensation Committee may engage compensation consultants as it deems appropriate. In deciding upon the appropriate level of compensation for our executive officers, the Compensation Committee reviews, among other things, our compensation programs relative to our strategic objectives and market practice and other changing business and market conditions. To date, neither the Compensation Committee nor management has engaged a compensation consultant in determining or recommending the amount or form of director or officer compensation.

Our Compensation Committee is composed of Drs. Krasno (Chairman), Lachman, and Medel. Dr. Lachman was appointed to the Compensation Committee on February 10, 2022. The composition and functioning of our Compensation Committee complies with all applicable requirements of the Sarbanes-Oxley Act of 2002, the rules of NASDAQ, and the SEC’s rules and regulations, t 2



Corporate Governance and Nominating Committee

Our Corporate Governance and Nominating Committee's responsibilities include the selection of potential candidates for our Board, making recommendations to our Board concerning the structure and membership of the other Board committees, and considering director candidates recommended by others, including our Chief Executive Officer, other Board members, third parties, and stockholders. Our Corporate Governance and Nominating Committee is composed of Mr. Paganelli (Chairman) and Drs. Lachman and Medel. Dr. Lachman was appointed to the Corporate Governance and Nominating Committee on February 10, 2022. Our Corporate Governance and Nominating Committee met one time and took action by written consent on three occasions during fiscal 2022. The composition of our Corporate Governance and Nominating Committee complies with applicable requirements of the Sarbanes-Oxley Act of 2002, the NASDAQ, and the SEC's rules and regulations, including those regarding the independence of our Corporate Governance and Nominating Committee members.

The Corporate Governance and Nominating Committee identifies director nominees through a combination of referrals, including by existing members of the Board, management, third parties, stockholders, and direct solicitations, where warranted. Once a candidate has been identified, the Corporate Governance and Nominating Committee reviews the individual's experience and background, and may discuss the proposed nominee with the source of the recommendation. The Corporate Governance and Nominating Committee believes it to be appropriate for committee members to interview the proposed nominee before making a final determination on whether to recommend the individual as a nominee to the entire Board to stand for election to the Board. The Committee does not plan to evaluate candidates identified by the Corporate Governance and Nominating Committee differently from those recommended by a stockholder or otherwise.

The Corporate Governance and Nominating Committee recommended to the Board that it nominate each of the director nominees for election at the 2023 Annual Meeting.

Independent Investment Committee

Our Board of Directors established the Independent Investment Committee in February 2019. The Independent Investment Committee's purpose is (i) to review, approve, and monitor the acquisition, disposition, voting, exercise, conversion, exchange of, and other transactions related to the Company's minority investments, (ii) appoint members of the Company's management investment committee, which makes recommendations to the Independent Investment Committee regarding such investments, and (iii) to provide oversight over the Company's minority investment programs.

The Independent Investment Committee's responsibilities include monitoring and approving acquisitions and dispositions of certain strategic minority investment.

On May 9, 2022 (the “ModeX Acquisition Closing Date”), the Company, entered into an Agreement and Plan of Merger (the “ModeX Merger Agreement”) with Orca Acquisition Sub, Inc., a Delaware corporation and wholly owned subsidiary of the Company (the “ModeX Merger Sub”), ModeX, and Dr. Gary Nabel, solely in his capacity as sellers’ representative.

Pursuant to the ModeX Merger Agreement, on the ModeX Acquisition Closing Date, ModeX Merger Sub merged with and into ModeX, with ModeX surviving the merger as a wholly owned subsidiary of the Company (the “ModeX Acquisition”). The Company paid consideration for ModeX of \$300.0 million, subject to a customary purchase price adjustment mechanism. The Company paid the entirety of the purchase price pursuant to the issuance of an aggregate of 89,907,310 shares (the “ModeX Consideration Shares”) of the Company’s common stock, to the former stockholders of ModeX, of which 10% of such shares were deposited in a twelve-month escrow for purposes of satisfying the potential indemnity obligations of the ModeX selling stockholders under the ModeX Merger Agreement. In connection with the ModeX Acquisition, Dr. Elias Zerhouni, the chairman and a co-founder of ModeX, was appointed as President of the Company and Vice Chairman of the Board and Dr. Gary Nabel, the Chief Executive Officer of ModeX, was appointed as Chief Innovation Officer of the Company and as a member of the Board. On the ModeX Acquisition Closing Date, in addition to the ModeX Consideration Shares received by trusts formed for the benefit of each of Dr. Zerhouni’s and Dr. Nabel’s relatives, as further described in the Security Ownership of Certain Beneficial Owners and Management section, Drs. Zerhouni and Nabel received options to purchase up to 34,923 and 34,923 shares of the Company’s common stock, respectively, each of which options has an exercise price of \$3.19885 per share and expire on May 8, 2032.

We lease office space from Frost Real Estate Holdings, LLC (“Frost Holdings”) in Miami, Florida, where our principal executive offices are located. Effective August 1, 2019, we entered into an amendment to our lease agreement with Frost Holdings. The lease, as amended, is for approximately 29,500 square feet of space. The lease provides for payments of approximately \$89 thousand per month in the first year increasing annually to \$101 thousand per month in the fifth year, plus applicable sales tax. The rent is inclusive of operating expenses, property taxes and parking.

Dr. Elias Zerhouni, our Vice Chairman and President, sits on the board of directors of Danaher Corporation (“Danaher”). Our subsidiary, BioReference, routinely procures products and services from several subsidiaries of Danaher, including Beckman Coulter, Integrated DNA Technologies Inc., and Leica Microsystems Inc., to which BioReference has paid \$3.2 million, \$0.2 million, and \$0.4 million, respectively, during the year ended December 31, 2022.

BioReference purchases and uses certain products acquired from InCellDx, a company in which we hold a 29% minority interest.

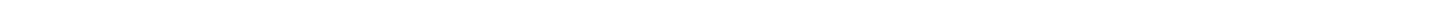
We reimburse Dr. Frost for Company-related use by Dr. Frost and our other executives of an airplane owned by a company that is beneficially owned by Dr. Frost. We reimburse Dr. Frost for out-of-pocket operating costs for the use of the airplane by Dr. Frost or Company executives for Company-related business. We do not reimburse Dr. Frost for personal use of the airplane by Dr. Frost or any other executive. For the years ended December 31, 2022, 2021, and 2020, we recognized approximately \$181 thousand, \$105 thousand, and \$156 thousand, respectively, for Company-related travel by Dr. Frost and other OPKO executives.

CORPORATE SUSTAINABILITY

We are a diversified healthcare company that seeks to serve unmet patient needs and establish industry-leading positions in large, rapidly growing markets. Our Board and Committees support and encourage management's efforts to integrate environmental, ~~na~~do

We also began transforming and modernizing our culture and talent management practices at OPKO by implementing Human Capital Management reporting and practices to establish a foundation to enable leaders to better hire talent and manage teams. These practices include standards for setting goals, performance evaluations, and learning and development.

It is the Company's policy to provide a healthy and safe workplace for our employees and to observe applicable federal and state laws and regulations. We are required to comply with the College of American Pathologists and CLIA laboratory safety requirements in addition to OSHA regulations. Our EHS Manager oversees our direction, standards of care, and



- (3) Reflects the aggregate grant date fair value computed in accordance with Financial Accounting Standards Board (“FASB”) Accounting Standards Codification (“ASC”) Topic 718, *Compensation – Stock Compensation* (“ASC Topic 718”). Assumptions made in the calculation of the grant date fair value are as follows:
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Elements of Compensation

We evaluate individual executive performance with a goal of setting compensation at levels the Board and the Compensation Committee believe are comparable with executives in other companies of similar size and stage of development or companies which have similar product and service offerings or market opportunities. At the same time, our Board and Compensation Committee take into account our relative performance and strategic goals. The primary elements of our compensation plans are base salary, equity compensation, and discretionary annual bonus, each of which is described in greater detail below.

Base Salary. We try to establish and maintain competitive annual base salaries for our Named Executive Officers by utilizing available resources, which include surveys as discussed above. While base salaries are not primarily performance-based, we believe it is important to provide adequate, fixed compensation to executives working in a highly volatile and competitive industry such as ours. We provide fixed salary compensation to our Named Executive Officers based on their responsibilities and individual experience, taking into account competitive market compensation paid by other companies for similar positions within the pharmaceutical, diagnostics and laboratory industries. In general, we historically targeted Named Executive Officer compensation and base salary to fall within the median range for equivalent or similar positions of executives at peer group companies. No changes to base salary were proposed or implemented in the fiscal year ended December 31, 2021 (“fiscal 2021”) or fiscal 2022, except for a salary increase for Mr. Logal, whose base salary was increased from \$600,000 to \$700,000 in fiscal 2021.

Discretionary Annual Bonus. In addition to base salaries, our Compensation Committee has the authority to award discretionary annual bonuses to our Named Executive Officers based on corporate and individual performance. Incentives, as a percent of salary, increase with executive rank so that, as rank increases, a greater portion of total annual cash compensation is based on annual corporate and individual performance. Furthermore, as an executive’s rank increases, a greater percentage of that executive’s cash bonus is based on corporate performance, rather than individual performance. Because we historically generated little revenue, the Compensation Committee has not awarded any cash bonuses to Named Executive Officers other than in 2015, and again in 2020 in recognition of significant contributions to the Company’s fiscal 2020 success and growth. In 2020, Dr. Cohen was awarded cash bonuses of \$750,000 and \$1,150,000 for work performed in 2019 and 2020, respectively. In addition, Dr. Cohen received a cash bonus in 2022 of \$1,150,000 for work performed in 2021. Dr. Cohen retired from the Company in August 2022. Mr. Logal was awarded a cash bonus of \$500,000 for work performed in 2020. In addition, Mr. Logal received a cash bonus in 2022 of \$200,000 for work performed in 2021.

Equity Compensation. We believe that equity compensation should be a primary component of our executive compensation program because it aligns the interests of our executive officers with the long-term performance of the Company. Stock options are a critical element of our long-term incentive strategy. The primary purpose of stock options is to provide Named Executive Officers and other employees with a personal and financial interest in our success through stock ownership, thereby aligning the interests of such persons with those of our stockholders. This broad-based program is a vital element of our goal to empower and motivate outstanding long-term contributions by our Named Executive Officers and other employees. The Compensation Committee believes that the value of stock options will reflect our performance over the long-term. Under our employee stock option program, options are granted at fair market value at the date of grant, and options granted under the program become exercisable only after a vesting period, which is subject to continued employment. Consequently, employees benefit from stock options only if the market value of our common stock increases over time. With respect to these stock options, we recognize compensation expense based on FASB ASC Topic 718.

The Compensation Committee typically grants stock options to our Named Executive Officers under the 2016 Equity Incentive Plan and previously the 2007 Equity Incentive Plan. As with base salaries and discretionary cash bonuses, there is no set formula or performance criteria, which determines the amount of the equity award for our Named Executive Officers or our other employees. Nor does the Compensation Committee assign any relative weight to any specific factors or criteria it considers when granting stock options. Rather, the Committee exercises its judgment and discretion by considering all factors it deems relevant a

2022	972,200	—	—	(1,522,307)	(697,678)	(1,247,785)
2021	2,103,600	1,132,000	1,116,026	390,724	(81,388)	2,396,962
2020	1,538,200	567,000	1,212,445	968,750	175,527	3,327,922

CAP vs. Revenue



Section 162(m) of the Internal Revenue Code

Section 162(m) of the Code generally does not allow a deduction for annual compensation in excess of \$1,000,000 paid to our executive officers. Prior to January 1, 2018, this limitation on deductibility did not apply to certain compensation, including “performance based” compensation under a plan approved by our stockholders, paid to our Named Executive Officers. Historically, we intended for equity grants under our 2007 Equity Incentive Plan and the 2016 Equity Incentive Plan to qualify for the “performance-based” exceptions from the Section 162(m) limitations.

Following the enactment of the Tax Cuts and Jobs Act of 2017 on December 22, 2017, the performance-based compensation exception described above was repealed with respect to performance-based compensation payable following November 2, 2017 unless it is payable pursuant to an award that was outstanding on that date (and generally unmodified) or a binding written agreement in effect on that date, which is referred to as the grandfathering exception. Following the repeal of the performance-based exception to deductibility, we have generally expected that compensation paid to our named executive officers in excess of \$1 million will not be deductible, subject to the grandfathering exception. The Compensation Committee reserves the right to modify compensation that was initially intended to be exempt from Section 162(m) of the Code if it determines that such modifications are consistent with our business needs.

COMPENSATION COMMITTEE REPORT

The Compensation Committee of our Board has submitted the following report for inclusion in this proxy statement.

The Compensation Committee has reviewed and discussed the Compensation Discussion and Analysis contained in this proxy statement with management. Based on its review and discussions with management with respect to the Compensation Discussion and Analysis, the Compensation Committee recommended to the Board that the Compensation Discussion and Analysis be included in this proxy statement on Schedule 14A for filing with the Securities and Exchange Commission.

Compensation Committee
Richard M. Krasno, Ph.D., Chairman
Prem A. Lachman, M.D.
Roger J. Medel, M.D.

The Compensation Committee report above shall not be deemed to be "soliciting material" or to be "filed" with the Securities and Exchange Commission, nor shall such information be incorporated by reference into any future filing under the Securities Act of 1933 or the Securities Exchange Act of 1934, each as amended, except to the extent that we specifically incorporate it by reference into such filing.

Outstanding Equity Awards at Fiscal Year-End for 2022

The following table sets forth information a

Employment Agreements and Change in Control Arrangements

We have not entered into employment agreements with any of our executive officers other than an offer letters entered into with Drs. Zerhouni and Nabel. Pursuant to the offer letters, each of Drs. Zerhouni and Nabel is entitled to twelve (12) months of applicable base salary and benefits if terminated without cause or if he terminates his employment for good reason (as defined in his offer letter). None of our Named Executive Officers are otherwise entitled to severance or change of control benefits; provided, however, that both the 2007 Equity Incentive Plan and the 2016 Equity Incentive Plan provide for accelerated vesting of all awards under the plan upon a Change in Control, as defined below. Pursuant to both the 2007 Equity Incentive Plan and the 2016 Equity Incentive Plan, if there is a Change in Control of the Company, the vesting of all outstanding equity awards under the plan shall be accelerated so that each such award shall, immediately prior to the effective date of the Change in Control, become fully vested with respect to the total number of shares of common stock subject to such award. Upon the consummation of any Change in Control, all outstanding awards under the 2007 Equity Incentive Plan and the 2016 Equity Incentive Plan, shall to the extent not previously exercised, either be assumed by any ~~arranged to be~~



PROPOSAL THREE:

NON-BINDING ADVISORY VOTE ON THE FREQUENCY OF THE ADVISORY VOTE ON SAY ON PAY IN FUTURE YEARS ("SAY ON FREQUENCY")

Background of the Proposal

The Dodd-Frank Act requires that all public comæes

**PROPOSAL FOUR:
RATIFICATION OF APPOINTMENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

Ernst & Young LLP (hsa

Ratification by Stockholders of the Appointment of Independent Registered Public Accounting Firm

The ratification of the appointment of Ernst & Young will be approved if the votes cast in favor of the proposal by the holders of shares of our common stock present or represented and entitled to vote at the Annual Meeting in which a quorum is present exceed the votes cast against the proposal.

OUR BOARD RECOMMENDS A VOTE "FOR"

BY:



