**Judy Keen, Ph.D.**

**202-297-0955 | jckeen@me.com | Linkedin.com/in/judykeen**

**Chief Executive Officer | Executive Director**

Professional society association management executive and University Board member committed to the advancement and support of science and medicine. Integrates perspectives from pharma, non-profits/associations, government, and academia to identify emerging areas of science and technology to create strategic vision that address gaps and grows organizations. With a focus on oncology and digital medicine, creates novel education, employment, and research resources that help to close the gap in care through increased access and implementation of cutting-edge research and emerging technology.

**Expertise**

Association Management | Board member | Strategic Planning| Facilitation Project Manager | Cancer Research | Pharma and Non-profit Partnerships | Project Management

**Impact**

Generated over $1M in new programs with medical associations in oncology in FY23

Quadrupled new partnerships to expand grant opportunities for emerging investigators

Principal Investigator on $11M Contract with NIH

Increased access to care for 250+ community members within the Atlanta Black Church Community

Support of STEM program for underrepresented minorities and women through the NSF and UMES

Built novel digital medicine association engagement portfolio

Health Board member of the Consumer Technology Association

Revamped Scientific Affairs Department to better support science and scientists in radiation oncology and hematology

Designed and established new training opportunities for residents with industry partners, program has tripled in size

**Professional Experience and Board Service**

**Novartis Pharmaceutical**, **US Medical Affairs** **November 2021 – February 2024**

**Director of Healthcare Association Engagement and Innovation**

Lead strategy and engagement with key healthcare association stakeholders around Novartis objectives that improve patient care by enhancing innovation in pharma, oncology and digital medicine. Engage medical associations, technology companies, academic centers, and venture capital firms to build novel programs.

* Established 15 partnerships with digital medicine and oncology associations.
  + Elected to Health Board of the Consumer Technology Association
* Created new program to increase access to care within the Black Church Community in Atlanta, resulted in over 250 patients engaged within 1 month and expansion to establish clinics with additional Church partners
* Led pilot program to test incorporation of ASCVD risk score into primary care clinics
* Hosted 6 leader to leader meetings per year between Association Board and Senior Pharma Executives to drive innovation and address barriers to care
* Thought Leader and guest faculty in 2 courses, HITLAB, Columbia School of Business, 2022

**Johns Hopkins Board of Trustees,** Baltimore, MD **July 2022 – Present**

**Johns Hopkins Press, Chair, Advisory Board** Baltimore, MD **July 2023 – Present**

**Judge, CancerX Digital Innovation Accelerator January 2024 – Present**

Advising start-up technology companies to improve digital tools in medicine

Judge for the CancerX Digital Innovation Challenge to support digital start up companies

**Advisor, BAT Venture Capital**  August 2023 – Present

Subject matter expert for an early-stage fund focused on co-building ventures in Fintech, Healthtech, and Web3.0.

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**Johns Hopkins Alumni Council Board Member,** Baltimore, MD **January 2016 – Present**

Council First Vice President October 2022 – Present

Council Secretary October 2020 – Present

**Johns Hopkins Environmental Health Engineering Advisory Board**, Baltimore, MD **October 2018 – Present**

**American Society of Hematology**, Washington, DC **April 2020 – October 2021**

**Director of Scientific Affairs**

Developed innovative programs to integrate novel technology, including artificial intelligence, and emerging science into research and practice.

* Established the scientific vision and research agenda for ASH.
* Created Artificial Intelligence/Digital Medicine committee to focus on integration of digital tools into practice.
* Served as an integral member of COVID response team to establish research priorities to address the pandemic.
* Provided scientific support for federal level advocacy producing advocacy letters on Sickle Cell treatment and redesigning clinical trials.
* Developed the scientific program content for ASH Annual Meeting 2020, 2021

**AstraZeneca**, Gaithersburg, MD **August 2019 – April 2020**

**Global Oncology Medical Training Leader**

Developed and managed all global medical affairs training in breast cancer.

* Worked closely with global and US medical directors on Enhertu and Olaparib in breast cancer.
* Created and executed 8 global and US training to ensure field medical staff had the expertise to engage health care and key external experts.

**American Society for Radiation Oncology**, Arlington, VA **January 2016 – August 2019**

**Director of Scientific Affairs**

Established the scientific vision for ASTRO in cancer research and created partnerships to fulfill that mission.

* Developed evidence-based policies that support radiation oncology and funding cancer research.
* Developed new partnerships with other societies to integrate with the research community and promote the science that emerges.
* Achieved a 350% increase in cancer research grant support for radiation oncology researchers.
* Established new collaborations with key partners including the Breast Cancer Research Foundation, the Melanoma Research Alliance, and the Prostate Cancer Foundation.
* Created new training opportunities for radiation oncology residents.

**National Breast Cancer Coalition**, Washington, DC **March 2015 – December 2015**

**Director of Research Collaborations**

Provided leadership and scientific oversight for all NBCC Breast Cancer Deadline 2020 science programs.

* Served as program director for the Artemis Research Project.
* Leveraged key scientific analysis skills to review scientific programs.
* Provided in depth analysis of scientific results for senior staff and advocates.
* Kept abreast of and disseminated findings from cutting edge breast cancer research.

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**National Cancer Institute, National Institutes of Health**, Bethesda, MD **August 2012 – March 2015**

**Program Director and AAAS Science and Technology Policy Fellow**

Division of Cancer Treatment and Diagnosis, Cancer Diagnosis Program, Biorepositories and Biospecimen Research Branch (BBRB).

* Senior Program Director for the NIH–wide Genotype Tissue Expression (GTEx) project.
* Strategic planning, budgeting, and data distribution of robust biospecimen collection.
* Developed 2 new funding grants programs in biospecimen science for external researchers.
* Scientific communicator for GTEx Project including publications and presentations.
* Aided in the creation and review of the Women’s Health Grant Supplement ($2M awarded)
* Conducted analysis of womens’ cancer focused grant portfolio for NCI
* Coordinated the NCI scientific advances for US Presidential and Congressional Reporting
* Coauthored the NCI Stories of Discovery

**Sci on the Fly, AAAS S&T Policy Fellowship Program Blog**, Washington, DC **2012 – Present**

**Blog Developer and Editor, Creator, Blogger, Editorial Board**

Co-creator of the Sci on the Fly blog (www.aaaspolicyfellowships.org/sci-fly). Writer and editor of blog posts

**n3 science communications**, Chevy Chase, MD **2010 – 2013**

**Owner/Founder**

Developed research compendiums for non-profit, and for-profit companies. Conducted seminars to improve science communication skills.

**Robert Wood Johnson Medical School,** New Brunswick, NJ **2006 – 2012**

**University of Medicine and Dentistry of New Jersey**

**Assistant Professor, Department of Medicine**

* Secured external funding to support breast cancer research efforts
* Demonstrated how chemotherapy can be improved in breast and pancreatic cancer
* Published 7 peer-reviewed manuscripts in top scientific journals
* Promoted STEM education at Historically Black Colleges and Universities
* Grant Panel member for National Institutes of Health, National Science Foundation, Department of Defense, and state-level funding agencies
* STEM Judge for Siemen’s College Scholarship Program (10 years)
* Aided in the development of a Systems Biology Research Consortium and Facility with RWJMS, Coriell, Rutgers
* Testified at the NJ State Assembly in support of the System Biology Research Facility

**Additional Relevant Experience**

**Coriell Institute for Medical Research**, Camden, NJ, **Principal Investigator**

Principal Investigator of $11 Million contract of the Human Genetics DNA Repository. Expanded research resources for the Amyotrophic Lateral Sclerosis Association (ALSA).

**University of Maryland University College**, Adelphi, MD, **Assistant Professor, Department of Biology**

Established online Introduction to biology class for undergraduate non-biology majors.

**Johns Hopkins School of Medicine**, Baltimore, MD, **Postdoctoral Fellowship, Dr. Nancy Davidson,** Established scientific career in epigenetic gene regulation and mRNA stability of the estrogen receptor in human breast cancer. **Senior Laboratory Technician, Department of Anesthesiology,** Studied pathways involved in muscle relaxation in asthma.

**Medical University of South Carolina**, Charleston, SC, **Laboratory Technician, Department of Psychiatry**

Conducted experiments on prenatal cocaine effects on the dopaminergic system.

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**Education**

**Postdoctoral Training, School of Medicine, Breast Cancer**

Mentor: Dr. Nancy Davidson

Johns Hopkins School of Medicine, Oncology, Johns Hopkins University, Baltimore, MD

**Doctor of Philosophy (Ph.D.)**

Mentors: Dr. Marsha Wills-Karp, Dr. Steve Georas

Bloomberg School of Public Health, Environmental Health Science – Physiology, Johns Hopkins University, Baltimore, MD

**Master of Science (MS)**

School of Arts and Sciences, Biotechnology, Johns Hopkins University, Baltimore, MD

**Bachelor of Science (BS), Biology**

Gettysburg College, Gettysburg, PA

**Scientific Grant Review Panels and Subject Matter Expert**

Breast Cancer Campaign UK, Grant Review Panel, 2010

Department of Defense, CDMRP Grant Review Panel, 2008 – 2011

Educational Testing Service, Grader, Biology Advanced Placement Exam, 2006

Fellows Day, Johns Hopkins School of Medicine, Winner, 2006

Foundation of the University of Medicine and Dentistry of New Jersey, Grant Panel, 2010 – 2011

National Institutes of Health, Ad Hoc Grant Review Panel, 2006, 2011, 2013, 2014

National Institute for Environmental Health Sciences, Grant Review Panel, 2006 National Science Foundation Grant Review Panel, 2009, 2011 – 2013

New York State Breast Cancer Grant Program, Reviewer, 2010

Robert Wood Johnson Foundation, Grant Review Panel, 2009 – 2011

Scientific Journal Reviewer, 2001 – 2012

Siemens Foundation College Scholarship, Judge, 2004 – Present

University of Maryland Eastern Shore, Science Day Judge, 2005, 2009

**Editorial Boards**

Sci on the Fly, Founder and board member, 2012 – 2017

Liberal Education, American Association of Colleges and Universities, 2014 – 2017

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**Publications and Peer Reviewed Manuscripts (Selected)**

Keen and Moore, Journal of Personalized Medicine 5:22-19, (2015)

Williams et al, PLoS One 5:e15455, (2010)

Licata et al, Breast Cancer Research and Treatment 122:55, (2010)

Brody et al, Future Oncology 5:1317, (2009)

Constantino et al, Cancer Research 69: 4567, (2009)

Obajimi et al, Prostate 69:1206, (2009)

Hostetter et al,Cancer Letters 275: 178, (2009)

Hostetter et al, Cancer Biology and Therapy 7:1496, (2008) Keen et al, Cancer Biology and Therapy 7: 1591, (2008) Simon-Sanchez et al, Human Mol Gen 16:1, (2006)

Huang et al. J Biol Chem 281:19055, (2006)

Abukhdeir et al,Breast Cancer Research and Treatment 99: 23, (2006)

Keen et al, J Biol Chem 208: 29519, (2005)

Keen et al, Cancer Biology and Therapy 3: 1304, (2004)

Keen et al, Breast Cancer Research and Treatment 81: 177, (2003)

Huang et al,Molecular Cancer Research 2: 81, (2004)

Keen and Davidson, Cancer 97:825, (2003)

Keen et al, Immunology 117: 29, (2005)

Valapour et al, J Allergy and Clinical Immunology 109:238, (2002)

Keen et al, Am J of Respiratory Cell and Molecular Biology 24: 58, (2001)

Guo et al, J Biol Chem 276:48871, (2001)

Emala et al, Am J of Cell Physiology 279: C1008, (2000)

Shears et al, Am J of Physiology: Lung Cellular and Molecular Physiology 27: L640, (1997)

Emala et al, Am J of Physiology: Lung Cellular and Molecular Physiology 16: L745, (1997)