

JUDY KEEN, PH.D.

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Experienced scientific researcher, grant writer and reviewer, and program director with hands-on knowledge of academic, non-profit, and government institutions. Dedicated leader who understands how to incorporate new technologies and procedures into ongoing projects in a dynamic fashion. Effective communicator and manager who has led diverse teams in fast-paced, evolving, and challenging environments.

Ph.D. from Johns Hopkins

AAAS Science and Technology Policy Fellow

Strong background in research and securing funding

Science policy experience at the state and federal levels

Well-developed network in Science, Technology, Engineering and Mathematics

Dedicated to increasing science communication

Professional Experience

National Breast Cancer Coalition, Washington, DC

March 2015 – present

Director of Research Collaborations

- Provide leadership and scientific oversight for all NBCC Breast Cancer Deadline 2020[®] science programs
- Program director for the Artemis[®] Research Projects
- Leverage key scientific analysis skills to review scientific programs
- Provide in depth analysis of scientific results for senior staff and advocates
- Keep abreast of cutting edge breast cancer research
- Attend scientific meetings and conferences

National Cancer Institute, National Institutes of Health, Bethesda, MD

August 2012 - March 2015

Program Director

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
- Develop, coordinate, and administer contracts to fulfill the mission of the NCI
- Develop new funding programs in biospecimen science for external researchers
- Scientific communicator for GTEx Project including publications and presentations
- Ensure compliance with regulatory laws, procedures, and protocols
- Seek to integrate novel technologies into current research efforts

Health Science Analyst

AAAS Science and Technology Policy Fellow, Office of the Director, Office of Science Planning and Assessment

- Developed strategic plans and recommendations for senior staff
- Portfolio analysis of the NCI grant funding portfolio
- Coordinated the NCI scientific advances for US Presidential and Congressional Reporting
- Aided in the creation and review of the Women's Health Grant Supplement
- Liaison to the NIH-wide Office of Research on Women's Health
- Represent the NCI At international science meetings
- Coauthor of the NCI Stories of Discovery
- <http://www.cancer.gov/aboutnci/servingpeople/cancer-research-progress/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
 - Recruiter of new writers and outreach of the blog
 - Founding Member of Sci on the Fly Editorial Board
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n3 science communications, Chevy Chase, MD

2010 - 2013

Owner/Founder

- Review and reporting of scientific evidence for non-profit, and for-profit companies
 - Conduct seminars to improve science communication skills
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Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, New Brunswick, NJ

2006 - 2012

Assistant Professor , Department of Medicine

- Secured external funding to support breast cancer research efforts
 - Managed grant awards for scientific programs and managed scientific staff
 - Demonstrate how chemotherapy can be improved in breast and pancreatic cancer
 - Subject Matter expert for grant review panels and peer-reviewed 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 a Systems Biology Research Consortium and Facility
 - Testified at the NJ State Assembly in support of the System Biology Research Facility
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Coriell Institute for Medical Research, Camden, NJ

2005 - 2006

Senior Program Director

- Principal Investigator of \$10+ Million contract of the Human Genetics DNA Repository
 - Secured \$2 Million in contracts to expand and develop new repositories
 - Developed, managed, and guided scientific coordination and public outreach
 - Directed and supported implementation of biospecimen related initiatives
 - Expanded research resources for the Amyotrophic Lateral Sclerosis Association (ALSA)
-

University of Maryland University College, Adelphi, MD

2003 – 2005

Assistant Professor, Department of Biology

- Established online laboratory class for undergraduate non-biology majors

Johns Hopkins University, Baltimore, MD

1994 - 1997

Senior Laboratory Technician, Department of Anesthesiology

- Studied novel pathways involved in the relaxation of muscle tissues in asthma

Medical University of South Carolina, Charleston, SC

1993 - 1994

Laboratory Technician, Department of Psychiatry

- Conducted experiments on prenatal cocaine effects on the dopaminergic system

Non-Profit and Advocacy Experience

- American Association for Cancer Researchers, 2001 - present
- American Association for the Advancement of Science, 2012 - present
- American Cancer Society, Local Ambassador, 1999 – 2003
- Amyotrophic Lateral Sclerosis Association, Philadelphia, 2012 - 2013
- Amyotrophic Lateral Sclerosis Association, National, 2005 - 2006
- Amyotrophic Lateral Sclerosis Association Research Group, 2005 -2006
- American Medical Writers Association, 2010 - 2013
- Heart of Camden, 2006-2007
- New Jersey State Assembly, Appropriations, Provided Testimony, 2006
- New Jersey Systems Biology Building Committee, 2005 - 2010
- *Sci on the Fly*, Science and policy blog, in collaboration with AAAS, 2013 - present

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

Education

Johns Hopkins University, Baltimore, MD

Postdoctoral Training, School of Medicine, Breast Cancer, 2001 – 2005

Mentor: Dr. Nancy Davidson

Ph.D., Bloomberg School of Public Health, Environmental Health Science - Physiology, 2001

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

Master of Science, School of Arts and Sciences, Biotechnology, 1997

Gettysburg College, Gettysburg, PA

Bachelor of Science, Biology, 1992

Grant and Contract Management

Principal Investigator or co-Investigator on grants and contracts totaling over \$11 Million

Manager of biospecimen and data collection program totaling over \$20 Million

Leadership and training certifications

Federal Contract Officers Representative

Project Management Strategic Planning and Facilitation

Congressional Operations

Publications and Peer – reviewed manuscripts

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 280: 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)

Blog Posts

(www.aaaspolicyfellowships.org/sci-fly)

Open Access: Is it time for a next step? Posted October 22, 2014

What are we doing to students?!? Posted May 29, 2014

Amoeba eat cells alive and leave their prey for dead. Posted: Apr 15, 2014

Urgent action needed to increase human papilloma virus vaccine rates:

A report from the President's Cancer Panel. Posted: Feb 17, 2014

Sugary beverages and uterine cancer. Posted: Jan 29, 2014

New study reveals more about brain cancer. Posted: Nov 1, 2013

It's time to dream... Posted: Oct 4, 2013

Why (and how) our gut bacteria is important to us. Posted: Sep 10, 2013

Is it cancer: should precancerous lesions be renamed? Posted: Aug 20, 2013

Gene patents: the fight drags on. Posted: Aug 1, 2013

Cessation of tobacco use may improve lives of cancer patients. Posted: Jul 3, 2013

New way to conduct clinical trials may reduce cost and improve therapy. Posted: Jun 13

Old Drug finds potential new use in treating pancreatic cancer. Posted: May 31, 2013

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www.JudyKeenPHD.com