



Εθνικόν και Καποδιστριακόν
Πανεπιστήμιον Αθηνών
Πανεπιστημίου 30, 106 79 Αθήνα



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
Εθνικόν και Καποδιστριακόν
Πανεπιστήμιον Αθηνών
—ΙΔΡΥΘΕΝ ΤΟ 1837—

Αναγόρευση της Καθηγήτριας Laurie Hollis Glimcher ως Επίτιμη Διδάκτωρ του Τμήματος Ιατρικής, της Σχολής Επιστημών Υγείας του ΕΚΠΑ: Παρουσίαση του Έργου της Καθηγήτριας

Μελέτιος Α. Δημόπουλος

Πρύτανης ΕΚΠΑ, Καθηγητής Αιματολογίας-Ογκολογίας
Θεραπευτική Κλινική ΕΚΠΑ, ΓΝΑ Αλεξάνδρα, Αθήνα



Laurie Hollis Glimcher: Major Administrative Leadership Positions

Local

National

			1998 – 2002	Organizer and Chair, Keystone Symposium on T Cell Activation	Keystone, CO
1983 – 1990	Course Director, Immunobiology	HSPH/HMS	2012 – 2016	Dean	Weill Cornell Medicine
1983 – 2011	Course Director, Immunology Tutorial	HSPH	2012-2016	Provost for Medical Affairs	Cornell University, NY
1999 – 2002	Course Co-Director, Lymphocyte Development	HMS	6/1/16 – 8/31/16	Advisor to the Interim Dean of Weill Cornell Medicine and Provost for Medical Affairs	Weill Cornell Medicine and Cornell University, NY
2006 – 2012	Director, Division of Biological Sciences	HSPH	10/1/16 – to date	President and CEO	Dana-Farber Cancer Institute Boston, MA
			12/1/16 – to date	Director, Dana-Farber/Harvard Cancer Center	Boston, MA

Laurie Hollis Glimcher: President and CEO Dana-Farber Cancer Institute Richard and Susan Smith Professor of Medicine

Education

1972	BA, magna cum laude	Biology	Radcliffe College, Cambridge, MA
1976	MD, cum laude	Immunology	Harvard Medical School (HMS), Boston, MA

Laurie Hollis Glimcher: Postdoctoral Training

Year(s)	Title	Specialty/Discipline (Lab PI for postdoctoral research)	Institution and Location
7/1976 – 6/1978	Resident	Medicine	Massachusetts General Hospital (MGH), Boston, MA
7/1976 - 6/1978	Clinical Fellow	Medicine	HMS
7/1978 – 6/1979	Research Fellow	Medicine Lab of Dr. Harvey Cantor, Immunology	Brigham and Women's Hospital (BWH), Boston, MA
7/1979 – 6/1982	Research Associate	Laboratory of Immunology	National Institute of Allergy and Infectious Diseases National Institutes of Health (NIH), Bethesda, MD
7/1982 – 12/1983	Fellow	Rheumatology	MGH

Laurie Hollis Glimcher: Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
7/1982 – 6/1983	Instructor	Medicine	Harvard Medical School
7/1983 – 6/1987	Assistant Professor	Medicine	Harvard Medical School
1984 – 1986	Assistant Professor	Immunology	Harvard School of Public Health (HSPH), Boston, MA
1986 – 1989	Associate Professor	Immunology	Harvard School of Public Health
7/1987 – 2/1990	Associate Professor	Medicine	Harvard Medical School
1989 – 2012	Irene Heinz Given Professor	Immunology	Harvard School of Public Health
3/1990 – 1/2012	Professor	Medicine	Harvard Medical School
2012 – 2015	Adjunct Professor	Immunology	Harvard School of Public Health
2012 - 2016	Stephen and Suzanne Weiss Dean and Professor	Medicine	Weill Cornell Medical College (WCMC), New York, NY
2016 - 2018	Adjunct Professor of Medicine (nonvoting)	Medicine	Weill Cornell Medical College (WCMC), New York, NY
10/1/2016 – to date	Richard and Susan Smith Professor	Medicine	Harvard Medical School
05/01/2017- to date	Professor of Microbiology & Immunobiology		Harvard Medical School

Laurie Hollis Glimcher: Appointments at Hospitals/Affiliated Institutions

1/1984 – 12/1986	Assistant Physician	Rheumatology and Immunology	Brigham and Women's Hospital (BWH), Boston, MA
1/1987 – 12/1998	Associate Physician	Rheumatology and Immunology	Brigham and Women's Hospital (BWH), Boston, MA
1/1999 – 12/2012	Senior Physician	Rheumatology	Brigham and Women's Hospital (BWH), Boston, MA
1/2012 –8/2016	Attending Physician (no direct patient care)	Rheumatology	New York Presbyterian Hospital/Weill Cornell Medical Center, New York, NY
10/24/2016-	Attending Physician (non-clinical)	Cancer Immunology and Virology, Dept Medicine	Dana-Farber Cancer Institute BWH

Laurie Hollis Glimcher: Committee Service (Local)

1968 - 2012	Member and Chair, numerous faculty search committees	HMS/ HSPH
1984 – 2011	Chair and/or Member of multiple faculty search committees	HMS
1984 – 2011	Chair and/or Member of multiple faculty search committees	HSPH
1984 - 2011	Member, Committee on Immunology	HMS
1986 - 2011	Member, Admissions Committee, Immunology Graduate Program	HSPH
1987 – 1988	Member, Committee on Admissions and Degrees	HSPH
1987	Chair, Cancer Biology Admissions Committee	HSPH
1988 – 1989	Representative, Division of Medical Sciences, Faculty of Arts and Sciences	HMS
1981 – 1990	Member, Committee on Core Curriculum, Division of Medical Sciences	HMS
1993 – 1996	Member, Faculty of Medicine Faculty Council	HMS
1996 – 2011	Member, Faculty Fellowship Committee	HMS
1998 – 2011	Member, Executive Committee of Immunology	HMS
1998 – 2011	2006 - 2011 Member, Graduate Education, Admission and Membership Subcommittees	Chair HMS
1999 – 2006	Chair, Immunology Seminar Series	HMS

2000 – 2008	Member, Milton Fund Fellowship and Faculty Fellowship Committees	HMS
2000 – 2011	Member, Standing Committee on High Degrees in Public Health Sciences	HSPH
2000 – 2011	Member, Division of Biological Sciences Executive Committee	HSPH
	2007 – 2011	Chair
2002 – 2011	Member, Human Stem Cell Research Review Committee	Harvard University
2003 – 2011	Member, Committee on Patents and Office of Technology Review	Harvard University
2005 – 2006	Member, Summer’s Task Force for Women in Science and Engineering	Harvard University
2006 – 2007	Chair, Committee on Technology Development	Harvard University
2008 – 2011	Member, Alumni Council	HMS
2008 – 2011	Member, Standing Committee on High Degrees in Dental Medicine	Harvard School of Dental Medicine (HSDM)
2009 – 2011	Member, Advisory Committee on Honorary Degrees	Harvard University

Laurie Hollis Glimcher: Committee Service (Regional & National)

1986 – 1989	Member, New England Immunology Committee	Woods Hole, MA
1990	Member, Scientific Advisory Board, New England Primate Center	Southborough, MA

1985	Member, Site Visit Team	University of North Carolina
1985	Ad hoc Member, Special Study Section	National Cancer Institute (NCI)
1985 – 1995	Member, Fellowship Committee	Arthritis Foundation, Atlanta, GA
1986	Member, Special Task Force	Arthritis Foundation, Atlanta, GA
1987 – 1991	Block Chairman	Federation of American Societies for Experimental Biology (FASEB), Bethesda, MD
1987	Ad hoc Member, Immunobiology and Allergy and Immunology Study Sections	NIAID
1988 – 1992	Member, Allergy and Immunology Study Section	NIAID

1991 – 1993	Summer Immunology Conference, Co-Chairman then Chairman	(FASEB) Summer Immunology Conference
1991	Member, Federal Task Force on Women’s Health	U.S. Health and Human Services, Washington, DC
1994	Member, Study Section	American Cancer Society, Atlanta, GA
1994	Member, Search Committee for Director of National Institute of Arthritis and Musculoskeletal and Skin Disease (NIAMS)	NIH
1995 – 1998	Member, Animal Repository Resources Committee	NIH
1995 – 1998	Member, Advisory Council	NIAID
1995 – 1998	Member, Office of AIDS Research Advisory Committee	NIH
1996 – 2000	Chair and Member, Damon Runyon Fellowship Committee	Irvington Institute for Immunological Research, New York, NY
1996 – 2012	Member, Fellowship Committee	Cancer Research Institute, NY
1997	Member, Albert Lasker Jury Award Committee	The Lasker Foundation, New York, NY
1998-2003	Councilor	American Association of Immunologists, Bethesda, MD
1998	Member, General Motors Jury Award Committee	New York, NY
2003-2004	President, American Association of Immunologists	Bethesda, MD

Laurie Hollis Glimcher: Committee Service – National (cont.) & International

2013 -2015	Member, AAMC, Research Award Selection Committee	Association of American Medical Colleges (AAMC), Washington, DC
2013 -2016	New York Academy of Sciences, The Blavatnik Awards for Young Scientists Selection Committee	New York, NY
2016 – to date	Member, National Cancer Advisory Board Blue Ribbon Panel, National Cancer Moonshot Initiative, National Cancer Institute, NIH	Bethesda, MD
2016 – to date	AACR-CRI Board Lloyd J. Old Award in Cancer Immunology Selection Committee	
2016 – to date	Member, Cancer Immunology and Prevention Working Group	
2016 - to date	Warren Alpert Foundation Prize Scientific Advisory Committee	Boston, MA
2018 – to date	Member, Albert Lasker Jury Award Committee	
2007 – to date	Member, Blond-Marks-Kennedy Prize for Research Related to Rheumatology Committee	Oxford, UK

Laurie Hollis Glimcher: Research – Contributions to Medicine

Isolation of the first transcription factor, XBP-1

- Her lab firstly isolated the first transcription factor, XBP-1, required for controlling B lymphocyte differentiation to the antibody-producing plasma cell.
- When introduced into B lineage cells, XBP-1 initiated plasma cell differentiation. XBP-1 is the first transcription factor shown to be selectively and specifically required for the terminal differentiation of B lymphocytes to plasma cells.
- XBP1 also controls the survival of the malignant counterpart of the plasma cell, the multiple myeloma cell.
- Professor Glimcher showed that that **XBP-1 is the actual therapeutic targets for lactacystin and the other proteasome inhibitors** that are used to treat multiple myeloma, work that may provide a conceptual framework to manipulate these responses therapeutically.

Laurie Hollis Glimcher: Research – Contributions to Medicine

Discovery of transcriptional regulatory proteins: c-maf, NFATs and NIP45

- Her group discovered transcriptional regulatory proteins including c-maf, NFATs and NIP45 that lead to the development of and cytokine production by Th2 helper cells.
- The naïve CD4⁺ T helper lymphocyte can differentiate along at least two distinct pathways termed type 1 (T_H1) and type 2 (T_H2); a choice that has far reaching consequences for the outcome of the immune response against infectious microorganisms, cancer cells, allergens and self-tissues. This developmental event of T_H1 and T_H2 polarization had been recognized since the early 1980's **but the molecular basis for this key process was a mystery**, although it was known to be regulated by IL-4, IL-12 and interferon gamma.
- Her lab group was **the first to characterize a T_H subset-specific transcription factor with the identification of the T_H2 specific transcription factor**, the proto-oncogene c-maf, as the mediator of IL-4 expression and, subsequently, isolated a second novel coactivator protein, NIP45, which together with c-maf and the NFAT family of transcription factors, controls IL-4 gene expression and T_H2 differentiation.

Laurie Hollis Glimcher: Research – Contributions to Medicine

Discovery of the first T_H1 -specific transcription factor, T-bet

- T-bet is a T-box family member, and Prof lab demonstrated that this single factor is a master regulator of both IFN- γ gene expression and the T_H1 phenotype.
- This work overturned the paradigm in the field of cellular immunology that differentiated T_H cells are deviated irrevocably in one way or another, since T-bet single-handedly controls this critical checkpoint at all stages of differentiation.
- **She created the first mouse model for spontaneous asthma** accompanied by chronic airway remodeling, pathognomonic of human asthma and showed that polymorphisms in the human T-bet gene associate with human asthma.
- Further, she showed that **T-bet is a central mediator in the development of either of two types of inflammatory bowel disease** that are defined by their relative production of T_H1 or T_H2 cytokines. She also developed a **potent model of transmissible ulcerative colitis** driven by T-bet in innate immunity that is amenable to therapy by manipulation of the intestinal microbiota.

Laurie Hollis Glimcher: Research – Contributions to Medicine

Identified the function of XBP1 in the mammalian Unfolded Protein or Endoplasmic Reticulum Stress Response

- Following the recognition that XBP-1 is the homologue of yeast Hac1 and involved in the unfolded protein response (UPR), her lab went on to develop the first conditional XBP-1 animal models and characterized XBP-1 in the mammalian UPR in lipogenesis, the regulation of numerous types of mammalian secretory cells **and identified previously unrecognized functions for XBP-1**, in the pathogenesis of intestinal inflammation in humans, in neurodegenerative diseases and most recently as a key driver of triple negative breast cancer in rodents and in patients. In the settings of autoimmune disease, allergic and infectious diseases, and cancer.
- She also showed that XBP-1 is essential for dendritic cell development and survival, **and in a 2008 paper in *Science* demonstrated XBP-1 is required for normal fatty acid biosynthesis in the liver**. This unexpected role for this transcription factor has revealed a new regulatory pathway for hepatic lipogenesis and has major implications for understanding human lipid diseases.

Laurie Hollis Glimcher: Research – Contributions to Medicine

Skeletal biology and Bone Remodeling

- Skeletal biology is a separate interest of her laboratory arising from the discovery of a novel protein Schnurri-3 that controls adult bone formation.
- Large scale screens have identified additional proteins including members of the MAPK pathway that control osteoblast and osteoclast commitment and activation and thus her lab contributes in understanding the pathophysiology of several bone disorders.

Laurie Hollis Glimcher: Research Work

- Professor Glimcher's research work is described in **more than 400 original publications** in the most prestigious journals, including *Nature*, *Science*, *Cell*, *Nature Immunology*, *Nature Medicine*, *Cancer Cell* and *Annual Review in Immunology*.
- These publications have been referred in **more than 60,000 citations** and Prof Glimcher has **an h-index of 129** in ISI/Web of Knowledge.
- She is the owner of **more than 35 patents** in the US.
- She serves as a chair or member of **more than 60 USA or International Committees** in Immunology, Medicine, Public Health, Immunobiology and Allergy, Arthritis and Musculoskeletal and Skin Disease, AIDS Research, Rheumatology and Cancer Immunology and Prevention.

Laurie Hollis Glimcher: Awards (1)

1976	Alpha Omega Alpha	HMS
1976	Soma Weiss Award	HMS
1978	Postdoctoral fellowship Fellowship Award	American Cancer Society
1978	Postdoctoral Fellowship Award	NIH
1983 – 1984	Investigator Award	Arthritis Foundation
1984 – 1987	Senior Faculty Research Award	American Cancer Society
1987	Fellow	J.A. Hartford Foundation
1987	Scholar	Leukemia Society
1988	Elected Member	American Society for Clinical Investigation (ASCI)
1989	Distinguished Young Investigator Award	American College of Rheumatology
1991	Stohlman Memorial Scholar Award	Leukemia Society
1992	Member	Interurban Clinical Club
1992	Member	Peripatetic Club
1993	Merit Award	NIH
1996	Member	American Academy of Arts and Sciences (AAAS)
1996	Lee S. Howley Award	Arthritis Foundation

Laurie Hollis Glimcher: Awards (2)

1998	Councilor	American Association of Immunologists (AAI)
1998	Member	Institute of Medicine, National Academy of Sciences
2000	FASEB Excellence in Science Award	
2001	Outstanding Investigator Award	ASCI
2001	Keynote Lecture	Keystone Symposium
2002	Member	National Academy of Sciences
2003	Klemperer Award	New York Academy of Sciences
2003-2004	President	AAI, Founder, Primary Caregivers Technical Assistance Program (PCTAS) at the NIH
2006	Meritorious Career Award	AAI – Huang Foundation
2006	Dean's Award for Leadership in Advancement of Women Faculty	HMS
2006	Senior Scholar Award	American Association of University Women
2006	Distinguished Investigator Award	American College of Rheumatology
2008	Excellence in Mentoring award	American Association of Immunologists
2008	Fellow	Massachusetts Academy of Science
2009	Keynote Address	International Congress of Mucosal Immunology (ICMI)

Laurie Hollis Glimcher: Awards (3)

2010	Journal of Lipid Research Award	
2011	International Cytokine Society LifeTime Membership Award	
2012	Ernst W. Bertner Memorial Award	MD Anderson Cancer Center
2012	William B. Coley Award	Cancer Research Institute
2012	Louis Federico Leloir Prize to International Co-operation in Science, Technology and Innovation	Ministry of Health, Argentina
2013	Advancing Women in Science and Medicine Organization's ASWM Award for Excellence	Feinstein Institute for Medical Research for Excellence in Immunology Research
2013, 2015	Crains 50 Most Powerful Women in NYC	
2013	Vanderbilt Prize in Biomedical Science	Vanderbilt University
2014	L'Oreal-UNESCO Award for Women in Science	
2014	Margaret L. Kripke Award	MD Anderson Cancer Center
2015	Steven C. Beering Award	University of Indianapolis School of Medicine
2015	Landsteiner Lecture	University of Vienna
2015	Rosalind Franklin Lecture	King's College, London
2016	Marion Spencer Fay Award	Drexel University, Pennsylvania
2017	Kober Medal Recipient	American Association of Physicians
2017	Award for Distinguished Research in the Biomedical Sciences	Association of American Medical Colleges
2017-2019	50 Most Influential Physician Executive Leaders	Modern Healthcare