

BIOGRAPHICAL SKETCH

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NAME Iris Zamir Jaffe	POSITION TITLE		
eRA COMMONS USER NAME IZJaffe123	Assistant Professor of Medicine		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Pennsylvania, Philadelphia, PA	BA	1992	Biochemistry
University of Pennsylvania, Philadelphia, PA	Ph.D.	1997	Molecular Biology
University of Pennsylvania, Philadelphia, PA	M.D.	1999	Medicine

A. Positions and Honors:Internships and Residencies:

1999-2001 Internal Medicine Residency Training Program, Massachusetts General Hospital, Boston MA

Fellowships:

2001-2005 Cardiology Fellowship Training Program, Brigham and Women's Hospital, Boston, MA

Academic Appointments:

2005- Assistant Professor of Medicine, Tufts University School of Medicine, Boston, MA

Awards and Honors:

1988-1992 Dean's List

1988-1992 Benjamin Franklin Scholar

1989-1992 Academic All-American (gymnastics)

1989 $\mu\epsilon$ - National Mathematics Honor Society

1990 $\phi\lambda\chi$ - National Chemistry Honor Society

1990 Rose Foundation Award for Undergraduate Research

1991 Phi Beta Kappa Honor Society

1992-1999 Penn Medical Scholar

1997 Roy G. Williams Prize for Research

1997 Endocrine Society Travel Award

1998 Saul Winegrad, M.D. Award for Outstanding Dissertation

1998 Endocrine Society Medical Student Achievement Award

2007-2008 Natalie V. Zucker Research Center Award for Women's Scholars

B. Selected Peer-Reviewed Publications:

- Schultheiss T., Lin ZX., Ishikawa H., **Zamir I.**, Stoeckert CJ., and Holtzer H. Desmin/vimentin intermediate filaments are dispensable for many aspects of myogenesis. *Journal of Cell Biology*. 114(5):953-66, September 1991
- Zamir I.**, Harding HP., Atkins GB., Horlein A., Glass CK., Rosenfeld MG., and Lazar MA. A nuclear hormone receptor corepressor mediates transcriptional silencing by receptors with distinct repression domains. *Molecular & Cellular Biology*. 16(10):5458-65, October 1996
- Carter KC., Wang L., Shell BK., **Zamir I.**, Berger SL., and Moore PA. The human transcriptional adaptor genes TADA2L and GCN5L2 colocalize to chromosome 17q12-q21 and display a similar tissue expression pattern. *Genomics*. 40(3):497-500, March 15, 1997
- Zamir I.**, Zhang J., and Lazar MA. Stoichiometric and steric principles governing repression by nuclear hormone receptors. *Genes & Development*. 11(7):835-46, April 1, 1997
- Zhang J., **Zamir I.**, and Lazar MA. Differential recognition of liganded and unliganded thyroid hormone receptor by retinoid X receptor regulates transcriptional repression. *Molecular & Cellular Biology* 17(12):6887-97, December 1997

6. **Zamir I.**, Dawson J., Lavinsky RM., Glass CK., Rosenfeld, MG., and Lazar MA. Cloning and characterization of a corepressor and potential component of the nuclear hormone receptor repression complex. *Proc. Natl. Acad. Sci. USA.* 94:14400-14405, December 1997
7. Grignani F., De Matteis S., Nervi C., Tomassoni L., Gelmetti V., Cioce M., Fanelli M., Ruthardt M., Ferrara FF., **Zamir I.**, Seiser C., Grignani F., Lazar MA., Minucci S., and Pelicci PG. Fusion proteins of the retinoic acid receptor-alpha recruit histone deacetylase in promyelocytic leukaemia. *Nature.* 391:815-818, February 19, 1998
8. **Jaffe IZ**, Mendelsohn ME. Angiotensin II and Aldosterone Regulate Gene Transcription Via Functional Mineralocorticoid Receptors In Human Coronary Artery Smooth Muscle Cells. *Circulation Research* 96: 643-650, April 1, 2005.
9. **Jaffe IZ**, Tintut Y, Newfell BG, Demer LL, Mendelsohn ME. Mineralocorticoid Receptor Activation Promotes Vascular Cell Calcification *Arteriosclerosis, Thrombosis and Vascular Biology.* 27:799-805, 2007.
10. O'Lone R, Knorr K, **Jaffe IZ**, Schaffer M, Martini P, Karas RH, Bienkowska J, Mendelsohn ME, Hansen U. Estrogen Receptors Alpha and Beta Mediate Distinct Pathways of Vascular Gene Expression: Mitochondrial Electron Transport and Reactive Oxygen Species. *Molecular Endocrinology* 21(6):1281-1296, 2007.
11. Caprio M, Newfell BG, la Sala A, Baur W, Fabbri A, Rosano G, Mendelsohn ME, and **Jaffe IZ**. Functional Mineralocorticoid Receptors in Human Vascular Endothelial Cells Regulate ICAM-1 Expression and Promote Leukocyte Adhesion. *Circulation Research*, 102(11):1359-1367, 2008.
12. Knorr K, **Jaffe IZ**, Iyer L, Dabreo A, Aronovitz M, Hansen U, and Mendelsohn ME, Rapid Recruitment of Temporally Distinct Vascular Gene Sets by Estrogen. *Molecular Endocrinology*, 2008 (in press).

C. Study Sections:

2007 American Heart Association, Northeast Affiliate, Study Section
2008 Ad Hoc Reviewer for National Health and Medical Research Council of Australia
2008-present American Heart Association, Founders Affiliate, Study Section

D. Research Support:

Ongoing:

"Mineralocorticoid Receptors in Cardiovascular Biology

Principal Investigator: Iris Zamir Jaffe, MD, PhD

Agency: NIH, NHLBI

Type: KO8

Period: August 1, 2005 – July 31, 2010

Three Specific Aims are proposed to investigate the mechanism of aldosterone action on VSMCs (SA1); direct, MR-dependent effects of aldosterone on VSMC ET-1 gene expression (SA2); and the role of MR and endothelin in aldosterone mediated VSMC proliferation (SA3).

"Role of Mineralocorticoid Receptor-Induced Placental Growth Factor Expression in Aldosterone-Stimulated Atherosclerosis"

Principal Investigator: Iris Zamir Jaffe, MD, PhD

Agency: American Heart Association

Type: Grant-in-Aid

Period: July 1, 2008 – June 30, 2011

Completed:

"Role of Placental Growth Factor in Aldosterone-Induced Atherosclerosis"

Principal Investigator: Iris Zamir Jaffe, MD, PhD

Agency: Natalie V. Zucker Research Center for Women Scholars, Tufts University School of Medicine

Period: July 1, 2007 – June 30, 2008