BIOGRAPHICAL SKETCH

NAME Eric I. Park	POSITION TITLE Assistant Professor
eRA COMMONS USER NAME ericpark	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
University of Illinois at Urbana-Champaign, IL	BS	1987-1991	Biochemistry
University of Illinois at Urbana-Champaign, IL	MS	1994-1997	Nutrition
University of Illinois at Urbana-Champaign, IL	PhD	1997-1999	Nutrition
Washington University School of Medicine, Saint Louis, MO	Postdoc	1999-2005	Post-translational Modification

A. Positions and Honors

Positions and Employment

1990-1991 Research Assistant, Department of Microbiology, UIUC, IL
1991-1994 Research Technician, Department of Cardiology, University of Chicago, IL
1994-1998 Teaching Assistant, Department of Cellular Structural Biology, UIUC, IL
1997-1999 Pre-doctoral Fellowship, American Heart Association, UIUC, IL
1999-2005 Research Associate, Pathology and Immunology, WUSM, Saint Louis, MO
2005-2007 AICR/WCRF Marilyn Gentry Fellow, UNC at Chapel Hill, NC
2005- Research Assistant Professor, Nutrition, UNC at Chapel Hill, NC

Other Experience, Professional Memberships

2005 Associate Member, Lineberger Comprehensive Cancer Center, UNC at Chapel Hill, NC

Honors

1994, 1995 Teachers Ranked as Excellent By Their Students, UIUC, IL
1995 Gamma Sigma Delta Honor Society, UIUC, IL
1996 Outstanding Teaching Assistant in Biology 122, UIUC, IL
1997, 1998 Travel Award, Division of Nutritional Sciences, UIUC, IL
1998 Graduate Student Research Award, American Society for Nutritional Science, FASEB 1998
1998 Student Research Award, Division of Nutritional Sciences, UIUC, IL
2000-2003 NCI, National Research Service Award, WUSM, Saint Louis, MO

B. Peer-reviewed publication (in chronological order)

1. Swartz, D.A., **Park, E.I.**, Visek, W.J., & Kaput, J. (1996) The e-subunit gene of murine F_1F_o-ATP synthase: genomic sequence, chromosomal mapping, and diet regulation. *J. Biol. Chem*. 271(34):20942-20948.

2. Paisley, E.A., **Park, E.I.**, Swartz, D.A., Mangian, H.J., Visek, W.J., & Kaput, J. (1996) Temporal-regulation of serum lipids and stearoyl CoA desaturase and lipoprotein lipase mRNA in BALB/cHnn mice. *J. Nutrition* 126(11):2730-2737.

3. **Park, E.I.**, Paisley, E.A., Swartz, D.A., Mangian, H.J., Wu, M., O'Morchoe, P.J., McClelland, Romanzyck, L.J., Behr, S.A., Visek, W.J. & Kaput, J. (1997) Lipid level and type alter stearoyl CoA desaturase mRNA abundance differently in mice with different susceptibilities to diet-induced diseases. *J. Nutrition* 127(4):566-573.

4. Suden, S., Renduchintala, M.S., **Park, E.I.**, and Garrow, T.A. (1997) Betaine-homocysteine methyltransferase expression in porcine and human tissues and chromosomal location of human gene. *Arch. Biochem. Biophys*. 345(1):171-174.

5. **Park, E.I.**, Renduchintala, M.S., and Garrow, T.A. (1997) Diet-induced changes in hepatic betaine-homocysteine methyltransferase activity are mediated by changes in the steady-state level of its mRNA. *J. Nutr. Biochem*. 8:541-545.

6. **Park, E.I.**, and Garrow, T.A. (1999) Interaction between dietary methionine and methyl donor intake on rat liver betaine-homocysteine methyltransferase gene expression and organization of the human gene. *J. Biol. Chem.* 274(12):7816-7824

7. Weisberg, I.S., **Park, E.**, Ballman, K.V., Berger, P., Nunn, M., Suh, D.S., Breksa III, A.P., Garrow, T.A., and Rozen, R. (2003) Investigations of a common genetic variant in betaine-homocysteine methyltransferase (BHMT) in coronary artery disease. A*therosclerosis*. 167(2):205-214.

8. **Park, E.I.**, Manzella, S.M., and Baenziger, J.U. (2003) Rapid clearance of sialylated glycoproteins by the asialoglycoprotein receptor. *J. Biol. Chem*. 278(7):4597-4602.

9. **Park, E.I.**, and Baenziger, J.U. (2004) Closely related mammals have distinct asialoglycoprotein receptor carbohydrate specificity. *J. Biol. Chem*. 279(39):40954-40959.

10. **Park, E.I.**, Mi, Y., Unverzagt, C., Gabius, H. and Baenziger, J.U. (2005) The asialoglycoprotein receptor clears glyconconjugates terminating with sialic acidα2,6GalNAc. *Proc. Natl. Acad. Sci. USA* 102(47):17125-171259.

11. Steirer, L.M., **Park, E.I.**, Townsend, R.R., and Baenziger, J.U. (2009) The asialoglycoprotein receptor regulates levels of plasma glycoproteins terminating with sialic acid alpha2,6-galactose. *J. Biol. Chem*. 284(6):3777-3783.

C. Research Support

Ongoing Research Support

0765283U (Park, PI) 07/01/07- 06/30/09
American Heart Association
Title: "Asialoglycoprotein Receptor Mediated Clearance of Plasma Proteins: The Role in Hypertension and Atherosclerosis"
The major goal of this project is to identify the plasma proteins that are cleared by the asialoglycoprotein receptor during diet-induced hypertension and atherosclerosis.

R21 CA127836 (PI: Park) 01/01/08- 12/30/10
NIH/NCI
Title: "Dietary Modulation of Sialic Acid Modifications"
The major goal of this project is to identify the role of diet in receptor-mediated clearance of plasma proteins during inflammation.

Completed Research Support

Marilyn Gentry Fellow (Park, PI) 07/29/05 – 09/30/07
American Institute for Cancer Research/World Cancer Research Fund
Title: "Role of Dietary *N*-Glycolylneuraminic Acid in Cancer"
The major goal of this project is to determine the functional consequences of consuming non-human sialic acid carbohydrates found in the diet.

Pilot and Feasibility Award (Park, PI) 7/01/06 – 3/31/07
Clinical Nutrition Research Center, UNC-CH (NIDDK DK56350)
Title: "Metabolism of Dietary *N*-Glycolylneuraminic Acid"

The major goal of this project is to determine whether the expression levels of sialic acid processing genes can alter the incorporation of dietary sialic acid *N*-glycolylneuraminic acid.

BCTR0600706 (Beck, PI) 05/01/06- 04/31/08
The Susan G. Komen Breast Cancer Foundation
Title: “The role of dietary antioxidants and expression of Nm23-H1 in breast cancer skeletal metastasis”
The major goal of this project is to determine the metastasis potential of mammary cells that are expressing or have silenced Nm23-H1 gene in mice feed a diet adequate or deficient in antioxidants. My role is to provide expertise in nutrition, molecular biology, and biochemistry.
Role: Collaborator