

## Sugiyama Eiko, Ph.D

Professor, Faculty of Health and Human Development,  
Department of Food and Health Sciences, The University of Nagano

### Academic Appointments

- 2018-present Professor, Faculty of Health and Human Development, Department of Food and Health Sciences, The University of Nagano
- 2014-2019 Professor, Major of Food and Nutrition, Nagano Prefectural College
- 2001-2004 Associate Professor, Major of Food and Nutrition, Nagano Prefectural College
- 2004-2014 Associate Professor, Major of Health and Nutrition, Nagano Prefectural College
- 1997-2001 Lecturer, Major of Food and Nutrition, Nagano Prefectural College
- 1992-1995 Research Assistant Professor, Department of Legal Medicine, School of Medicine, Shinshu University

### Postdoctoral Training

- 1996-1997 Postdoctoral Researcher, Department of Aging Biochemistry, Research Center on Aging and Adaptation, Shinshu University School of Medicine, Shinshu University (with Prof T. Taketomi)
- 1993-1995 Postdoctoral Fellow, Department of Biochemistry, School of Medicine, Tulane University, LA, USA (with Prof. Y.-T Li)

### Education

- 1992 Ph.D., Graduate School of Medicine, Shinshu University (with Prof T. Taketomi)
- 1988 M.S., Graduate School of Home Economics, Ochanomizu University (with Prof M. Ohashi)
- 1986 B.S., Department of Home Economics, Ochanomizu University (with Prof M. Ohashi)

### Selected Publications

1. Lu Y, Harada M, Kamijo Y, Nakajima T, Tanaka N, Sugiyama E, Kyogashima M, Frank J. Gonzalez FJ, Aoyama T. Peroxisome proliferator-activated receptor  $\alpha$  attenuates high-cholesterol diet-induced toxicity and pro-thrombotic effects in mice. *Arch Toxicol* 93(1) 149-161 (2019)
2. Hotta M, Horikawa R, Mabe H, Yokoyama S, Sugiyama E, Yonekawa T, Nakazato M,

- Okamoto T, Ohara C, Ogawa Y. Epidemiology of anorexia nervosa in Japanese adolescents. *Biopsychosoc Med* Aug14:9 1-7 (2015)
3. Tanaka N, Zhang X, Sugiyama E, Kono H, Kanbe H, Tanaka E, Gonzalez FJ, Aoyama T. Eicosapentaenoic acid improves hepatic steatosis independent of PPAR $\alpha$  activation through inhibition of SREBP-1 maturation in mice. *Biochem Pharmacol* 80(10) 1601-1612 (2010)
  4. Sugiyama E, Ishikawa Y, Li Y, Kagai T, Nobayashi M, Tanaka N, Nakajima T, Kamijo Y, Yokoyama S, Hara A, Aoyama T. Eicosapentaenoic acid lowers plasma and liver cholesterol levels in the presence of peroxisome proliferators-activated receptor alpha. *Life Sciences* 83(1-2) 19-28 (2008)
  5. Yokoyama S, Sugiyama N, Sugiyama E, Amano N. Five Female Cases of Prolonged Depression in Chronic Anorexia Nervosa Treated With Selective Estrogen Receptor Modulator Raloxifene-Augmented Therapy. *J Clin Psychopharmacology* 28 (6) 721-722 (2008)
  6. Sugiyama E, Tanaka N, Nakajima T, Kamijo Y, Yokoyama S, Li Y, Gonzalez FJ, Aoyama T. Haploinsufficiency in the PPAR $\alpha$  and LDL receptor genes leads to gender- and age-specific obesity and hyperinsulinemia. *Biochem Biophys Res Commun* 350(2) 370- 376 (2006)
  7. Sugiyama E, Hara A, Uemura K. A Quantitative Analysis of Serum Sulfatide by Matrix-Assisted laser Desorption Ionization Time-of Flight Mass Spectrometry with Delayed Ion Extraction. *Anal Biochem* 274(1) 90-97 (1999)
  8. Li S-C, Wu YY, Sugiyama E, Taki T, Kasama T, Casellato R, Sonnino S, Li Y-T. Specific recognition of N-acetylneuraminic acid in the GM2 epitope by human GM2 activator protein. *J Biol Chem* 270 (41) 24246-24251 (1994)
  9. Sugiyama E, Honda K, Katsuyama Y, Uchiyama S, Tsuchikane A, Ota M, Fukushima H. Allele frequency distribution of the D1S80 (pMCT118) locus polymorphism in the Japanese population by the polymerase chain reaction. *Int J Leg Med* 106(3) 111-114 (1993)
  10. Sugiyama E, Uemura K, Hara A, Taketomi T. Effects of various lysosphingolipids on cell growth, morphology and lipid composition in three neuroblastoma cell lines. *Biochem Biophys Res Commun* 169(2) 673- 679 (1991)