

May 10, 2008

Curriculum Vitae

Toshimasa Yamauchi, M.D., Ph.D.

**WORKING ADDRESS:**

The Department of Integrated Molecular Science on Metabolic Diseases,  
The Department of Metabolic Diseases, Graduate School of Medicine,

The University of Tokyo,

7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8655, Japan

TEL: 81-3-5800-8818

FAX: 81-3-5800-9167

E-mail: tyamau-tyk@umin.net

**EDUCATION:**

Tokyo University Medical School/Tokyo M.D. 1992 Medicine

Graduate School of Medicine, University of Tokyo Ph.D. 1998 Medicine

**POSITIONS HOLD:**

1992-1993 Resident in Internal Medicine, Tokyo University Medical School

1993-1994 Resident in Internal Medicine, Tokyo Kouseinenkin Hospital

1994-1998 Clinical Research Fellow, Graduate Student, Diabetes Section, the  
Third Department of Internal Medicine, Tokyo University Medical  
School (Section Chief: Dr. Takashi Kadowaki)

1998-2003 Clinical Research Fellow, Post-Doctoral Fellow, the Department of  
Metabolic Diseases, Graduate School of Medicine,  
The University of Tokyo

2003-2004 Assistant Professor, the Department of Metabolic Diseases,  
Graduate  
School of Medicine, The University of Tokyo

2004-present Associate Professor, The Department of Integrated Molecular  
Science  
on Metabolic Diseases, The Department of Metabolic Diseases,  
Graduate School of Medicine, The University of Tokyo

**SOCIETIES:**

The Japanese Society of Internal Medicine

The Japan Diabetes Society

The Japan Endocrine Society  
The Japan Society for the Study of Obesity  
The Japanese Society of Molecular Medicine

#### HONORS AND FELLOWSHIPS:

Research Fellow of the Japan Society for the Promotion of Science  
(1997-2001)

Research Fellow of the Human Science Foundation (2001-2003)

Science Prize (1999)

Research Award of the Japanese Society of Molecular Medicine (2001)

Erwin von Baelzprize (2001)

Research Award of the Study Group of Molecular Diabetology (2001)

Young Investigator Award of the Japan Endocrine Society (2002)

Young Investigator Award of the Japan Society of Diabetic Complications  
(2003)

Young Investigator Award of the Japan Society for the Study of Obesity (2003)

Research Award of the Tokyo Medical Association (2004)

Research Award of the Fellows' Association of The Japanese Society of  
Internal

Medicine (2005)

Research Award of the Japan Society for the Study of Obesity (2005)

Lilly Award of the Japan Diabetes Society (2006)

Research Support Award of the Japan Medical Association (2006)

Young Investigator's Award of the Japanese Society of Internal Medicine  
(2007)

Research Award of the Japan Endocrine Society (2007)

#### Publications

- 1) Yamauchi T, et al. : Targeted disruption of AdipoR1 and AdipoR2 causes abrogation of adiponectin binding and metabolic actions. **Nature Medicine** 13: 332 - 339, 2007
- 2) Yamauchi, T, et al. : Cloning of adiponectin receptors that mediate antidiabetic metabolic effects. **Nature** 423:762-769, 2003.
- 3) Yamauchi, T, et al. : Globular adiponectin protected ob/ob mice from diabetes and ApoE-deficient mice from atherosclerosis. **J. Biol. Chem.** 278:2461-2468, 2003.
- 4) Yamauchi, T, et al. : Adiponectin stimulates glucose utilization and fatty-acid

- oxidation by activating AMP-activated protein kinase. **Nature Medicine** 8:1288-1295, 2002.
- 5) Yamauchi, T., et al. : Increased insulin sensitivity despite lipodystrophy in Crebbp heterozygous mice. **Nature Genetics** 30:221-226, 2002.
  - 6) Yamauchi, T., et al. : The fat-derived hormone adiponectin reverses insulin resistance associated with both lipodystrophy and obesity. **Nature Medicine** 7:941-946, 2001.
  - 7) Yamauchi, T., et al. : Inhibition of RXR and PPARgamma ameliorates diet-induced obesity and type 2 diabetes. **J. Clin. Invest.** 108:1001-1013, 2001.
  - 8) Yamauchi, T., et al. : The mechanisms by which both heterozygous PPARgamma deficiency and PPARgamma agonist improve insulin resistance. **J. Biol. Chem.** 276:41245-41254, 2001.
  - 9) Yamauchi, T., et al. : Constitutive tyrosine phosphorylation of ErbB-2 via Jak2 by autocrine secretion of prolactin in human breast cancer. **J. Biol. Chem.** 275: 33937-33944, 2000.
  - 10) Yamauchi, T., et al.: Growth hormone and prolactin stimulate tyrosine phosphorylation of insulin receptor substrate-1, -2, and -3, their association with p85 phosphatidylinositol 3-kinase (PI3-kinase), and concomitantly PI3-kinase activation via JAK2 kinase. **J. Biol. Chem.** 273: 15719-15726, 1998.
  - 11) Yamauchi, T., et al.: Tyrosine phosphorylation of the EGF receptor by the kinase Jak2 is induced by growth hormone. **Nature** 390: 91-96, 1997.
  - 12) Yamauchi, T., et al. : Insulin signalling and insulin actions in the muscles and livers of insulin resistant, insulin receptor substrate 1-deficient mice. **Mol. Cell. Biol.** 16: 3074-3084, 1996.