CURRICULUM VITAE

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Education:

1980-1984: Faculty of Pharmaceutical Sciences, Tohoku University

Awarded the degree of BS in biochemistry and immunology.

1984-1989: Department of Pharmaceutical Sciences, Tohoku University Graduate School.

Awarded the degree of Ph.D. in clinical biochemistry and

immunology for a thesis entitled "Preparation and application of anti-modified nucleoside monoclonal antibodies for detection and monitoring of cancer patients". Work supervised by Professor Michinao Mizugaki.

Research and Professional Experience:

1990-1992: Postdoctoral Fellow of the Japanese Society for the Promotion of Science for Japanese Junior Scientist, working under Professor Michinao Mizugaki.

1992-1995: Assistant Professor of the Department of Pharmaceutical Sciences, Tohoku University Hospital, working under Professor Michinao Mizugaki.

1993-1995: Research Associate of the Department of Molecular Biology and Immunology, The Scripps Research Institute, working under Professor Dennis R. Burton.

1995-2005: Associate Professor of the Department of Pharmaceutical Science, Akita University Hospital, working under Professor Toshio Suzuki.

2005-Present: Professor of the Department of Clinical Pharmacology & Genetics, School of Pharmaceutical Sciences, University of Shizuoka.

Membership of Academic Societies:

The Pharmaceutical Society of Japan

The Japanese Cancer Association

The Japanese Society of Clinical Pharmacology and Therapeutics

Japanese Society of Pharmaceutical Health Care and Sciences

Japanese Society for Chronobiology

Japanese Pharmaceutical Association

Japanese Society of Hospital Pharmacists

Award:

Award of the Promotion of Science for Young Scientists from the Pharmaceutical Society of Japan, Tohoku Branch (1991)

Publications (2012-2008):

Hirai, K., Hayashi, H., Ono, Y., Izumiya, K., Tanaka, M., Suzuki, T., Sakamoto, T. and **Itoh, K.** Influence of CYP4F2 polymorphisms and plasma vitamin K levels on warfarin sensitivity in Japanese pediatric patients. *Drug Metab. Pharmacokinet.*, in press (2012)

Hayashi, H., Tazoe, Y., Tsuboi, S, Horino, M., Morishita, M., Arai, T., Ohshima, M., Matsuyama, T., Kosuge, K., Yamada, H., Tsuji, D., Inoue, K. and **Itoh, K.** A single nucleotide polymorphism of reduced folate carrier 1 predicts methotrexate efficacy in Japanese patients with rheumatoid arthritis. *Drug Metab. Pharmacokinet.*, in press (2012)

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Yamamoto, Y., Takahashi, Y., Suzuki, E., Mishima, N., Inoue, K., **Itoh, K.**, Kagawa, Y. and Inoue, Y. Risk factors for hyperammonemia associated with valproic acid therapy in adult epilepsy patients. *Epilepsy Res.* in press (2012)

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Inoue, K., Ando, N., Suzuki, E., Hayashi, H., Tsuji, D., and **Itoh, K.** Genotype distributions and allele frequencies of possible major depressive disorder-associated SNPs, CREB1 rs4675690 and Piccolo rs2522833 in a Japanese population. *Biol. Pharm. Bull.*, **35**, 265-268 (2012)

Yoshida, A., Hirooka, Y., Sugata, Y., Nitta, M., Manabe, T., Ido, S., Murakami, K., Saha, R.K., Suzuki, T., Ohshima, M., Yoshida, A., **Itoh, K.**, Shimizu, K., Oku, N., Furuta, T., Asakawa, T., Wakimoto, T., and Kan, T. Concise synthesis of catechin probes enabling analysis and imaging of EGCg. *Chem. Commun.*, **47**, 1794-6 (2011)

Ohshima, M., Tadakuma, T., Hayashi, H., Inoue, K. and **Itoh, K.** Generation of a recombinant single-chain variable fragment (scFv) targeting 5-methyl-2'-deoxcytidine. *J. Biochem.*, **147**, 135-141 (2010)

Hayashi, H., Horino, M., Morishita, M., Tazoe, Y., Tsuboi, S., Matsuyama, T., Kosuge, K., Yamada, H., Tsuji, D., Inoue, K. and **Itoh, K.** Dihydrofolate reductase gene intronic 19-bp deletion polymorphisms in a Japanese population. *Drug Metab. Pharmacokinet.*, **25**, 516-518 (2010)

Ohshima, M., Inoue, K., Hayashi, H., Tsuji, D., Mizugaki, M., and **Itoh, K.** Generation of AcGFP-labeled single-chain Fv against 5-methyl 2'-deoxycytidine from a hyperimmunized mouse using phage display technology. *PEDS*, **23**, 881-888 (2010)

Urushibata, Y., **Itoh, K.**, Ohshima, M., and Seto, Y. Generation of Fab Fragment-like Molecular Recognition Proteins against Staphylococcal Enterotoxin B by Phage Display Technology. *Clin. Vaccine Immunol.*, **17**, 1708-17 (2010)

Itoh, K., Ohshima, M., Sonobe, M., Saito, M., Yoshida, A., Hayashi, H., Inoue, K., and Masuko, T. Antibody epitope peptides as potential inducers of IgG antibodies against CD98 oncoprotein. *Cancer Sci.* , **100**, 126-131 (2009)

Hayashi, H., Fujimaki, C., Daimon, T., Tsuboi, S., Matsuyama, T., and **Itoh, K.** Genetic polymorphisms in folate pathway enzymes as a possible marker for predicting the outcome of methotrexate therapy in Japanese patients with rheumatoid arthritis. *J. Clin. Pharm. Ther.*, **34**, 355-361 (2009)

Yoshizawa, M., Hayashi, H., Tashiro, Y., Sakawa, S., Moriwaki, H., Akimoto, T., Doi, T., Kimura, M., Kawarasaki, Y., and **Itoh, K.** Effect of VKORC1-1639G>A polymorphism, body weight, age, and serum albumin alterations on warfarin response in Japanese patients. *Thromb. Res.,* **124**, 161-166 (2009)

Fujimaki, C., Hayashi, H., Tsuboi, S., Matsuyama, T., Inoue, K., and **Itoh, K.** Plasma total homocysteine level and methylenetetrahydrofolate reductase 677CT genetic polymorphism in Japanese patients with rheumatoid arthritis. *Biomarkers*, **14**, 49-54 (2009)

Yoshida, K., Higuchi, H., Takahashi, H., Kamata, M., Sato, K., Inoue, K., Suzuki, T., **Itoh, K.**, and Ozaki, N. Influence of the tyrosine hydroxylase val81met polymorphism and catechol-O-methyltransferase val58met polymorphism on the antidepressant effect of milnacipran. *Human Psychopharmacology: Clinical and Experimental.*, **23**, 121-128 (2008)

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