

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed.
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION TITLE	
Atsushi Kato, Ph.D		Assistant Professor of Medicine	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Tokyo University of Pharmacy and Life Science, Tokyo, Japan	B.S.	1996	Pharmacy
Tokyo University of Pharmacy and Life Science, Tokyo, Japan	M.S.	1998	Pharmacy
Kochi Medical School, Kochi, Japan	Ph.D.	2004	Medical Science

A. Positions and Honors**Positions and Employments**

2005-2007 Postdoctoral fellow, Northwestern University Feinberg School of Medicine, Chicago, IL
2007- Assistant Professor of Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL

B. (Selected) Peer-reviewed Publications (in chronological order)

- Ogura K, Nishiyama T, Takubo H, **Kato A**, Okuda H, Arakawa K, Fukushima M, Nagayama S, Kawaguchi Y, Watabe T: Suicidal inactivation of human dihydropyrimidine dehydrogenase by (*E*)-5-(2-bromovinyl)uracil derived from the antiviral, sorivudine. *Cancer Lett.* 1998, 122:107-13.
- Okuda H, Ogura K, **Kato A**, Takubo H, Watabe T: A possible mechanism of eighteen patient deaths caused by interactions of sorivudine, a new antiviral drug, with oral 5-fluorouracil prodrugs. *J Pharmacol Exp Ther.* 1998, 287:791-9.
- Nishiyama T, Ogura K, Okuda H, Suda K, **Kato A**, Watabe T: Mechanism-based inactivation of human dihydropyrimidine dehydrogenase by (*E*)-5-(2-bromovinyl)uracil in the presence of NADPH. *Mol Pharmacol.* 2000, 57:899-905.
- Matsumoto K, Ogasawara T, **Kato A**, Homma T, Iida M, Akasawa A, Wakiguchi H, Saito H: Eosinophil degranulation during pregnancy and after delivery by cesarean section. *Int Arch Allergy Immunol.* 2003, 131 Suppl 1:34-9.
- Kato A**, Homma T, Batchelor J, Hashimoto N, Imai S, Wakiguchi H, Saito H, Matsumoto K: Interferon- α/β receptor-mediated selective induction of a gene cluster by CpG oligodeoxynucleotide 2006. *BMC Immunol.* 2003, 4:8.
- Kato A**, Ogasawara T, Homma T, Saito H, Matsumoto K: Lipopolysaccharide-binding protein critically regulates LPS-induced interferon- β signaling pathway in human monocytes. *J Immunol.* 2004, 172(10):6185-94
- Kato A**, Ogasawara T, Homma T, Batchelor J, Imai S, Wakiguchi H, Saito H, Matsumoto K: CpG oligodeoxynucleotides directly induce CXCR3 chemokines in human B cells. *Biochem Biophys Res Commun.* 2004, 320(4):1139-47.
- Homma T, **Kato A**, Hashimoto N, Batchelor J, Yoshikawa M, Imai S, Wakiguchi H, Saito H, Matsumoto K: Corticosteroid and cytokines synergistically enhance TLR2 expression in respiratory epithelial cells. *Am J Respir Cell Mol Biol.* 2004, 31(4):463-9.

9. Matsumoto K, Terakawa M, Fukuda S, **Kato A**, Toki S, Shinohara M, Wakiguchi H, Saito H: CpG oligodeoxynucleotide prolongs eosinophil survival through activation of contaminating B cells and plasmacytoid dendritic cells in vitro. *Int Arch Allergy Immunol*. 2006, 140 Suppl 1:42-50.
10. **Kato A**, Truong-Tran AQ, Scot AL, Matsumoto K, Schleimer RP: Airway epithelial cells produce B cell-activating factor of TNF family by an IFN- β -dependent mechanism. *J Immunol*. 2006, 177(10):7164-72.
11. Saito H, **Kato A**, Matsumoto K, Okayama Y: Culture of Human Mast Cells from Peripheral Blood Progenitors. *Nat Protocols*. 2006, 1(4):2178-83.
12. **Kato A**, Favoreto S., Avila PC, Schleimer RP: TLR3- and Th2 Cytokine-dependent Production of Thymic Stromal Lymphopoietin in Human Airway Epithelial Cells. *J Immunol*. 2007, 179(2):1080-87.
13. Shingai M, Ebihara T, Begum NA, **Kato A**, Honma T, Matsumoto K, Saito H, Ogura H, Matsumoto M, Seya T: Differential Type I IFN-Inducing Abilities of Wild-Type versus Vaccine Strains of Measles Virus. *J Immunol*. 2007, 179(9):6123-33.
14. Schleimer RP, **Kato A**, Kern R, Kuperman D, Avila PC: Epithelium; at the interface of innate and adaptive immune responses. *J Allergy Clin Immunol*. 2007, 120(6):1279-84.
15. **Kato A**, Schleimer RP: Beyond inflammation: airway epithelial cells are at the interface of innate and adaptive immunity. *Curr Opin Immunol*. 2007, 19 (6):711-20.