

CURRICULUM VITAE of Kohta Kurohane, Ph.D.

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Education:

Ph.D. in Pharmaceutical Sciences, University of Shizuoka, Japan, March 2001

Employment:

2001(April)-2014 (August) Research Assistant Professor, Laboratory of Microbiology and Immunology, School of Pharmaceutical Sciences, University of Shizuoka, Japan

2007(October)

-2008(January) Visiting Assistant Professor, Department of Anatomy and Program in Immunology, University of California, San Francisco, USA

2014 (September)-present Assistant Professor, Laboratory of Microbiology and Immunology, School of Pharmaceutical Sciences, University of Shizuoka, Japan

Selected Publications

Koki Iwata, Kohta Kurohane, Katsuhiko Nakanishi, Masaki Miyake, Yasuyuki Imai: Stable Expression and Characterization of Monomeric and Dimeric Recombinant Hybrid-IgG/IgA Immunoglobulins Specific for Shiga Toxin. *Biol. Pharm. Bull.* 37, 1510-1515 (2014)

Katsuhiko Nakanishi, Sanshiro Narimatsu, Shiori Ichikawa, Yuki Tobisawa, Kohta Kurohane, Yasuo Niwa, Hirokazu Kobayashi, Yasuyuki Imai: Production of

hybrid-IgG/IgA plantibodies with neutralizing activity against Shiga toxin 1. *PLoS One*, 8, e80712 (2013)

Kohta Kurohane, Yurina Sahara, Ayako Kimura, Masataka Narukawa, Tatsuo Watanabe, Takashi Daimon, Yasuyuki Imai: Lack of transient receptor potential melastatin 8 activation by phthalate esters that enhance contact hypersensitivity in mice. *Toxicol. Lett.*, 217, 192–196 (2013)

Takahiro Shiba, Takuma Tamai, Yurina Sahara, Kohta Kurohane, Tatsuo Watanabe, Yasuyuki Imai: Transient receptor potential ankyrin 1 activation enhances hapten sensitization in a T-helper type 2-driven fluorescein isothiocyanate-induced contact hypersensitivity mouse model. *Toxicol. Appl. pharmacol.*, 264, 370–376 (2012)

Chie Kobayashi, Kohta Kurohane, Yasuyuki Imai: High dose dietary pyridoxine induces T-helper type 1 polarization and decreases contact hypersensitivity response to fluorescein isothiocyanate in mice. *Biol. Pharm. Bull.*, 35, 532–538 (2012)

Yuki Tobisawa, Takashi Maruyama, Takashi Tanikawa, Katsuhiko Nakanishi, Kohta Kurohane, Yasuyuki Imai: Establishment of recombinant hybrid-IgG/IgA immunoglobulin specific for Shiga toxin. *Scand. J. Immunol.*, 76, 574–584 (2011)

Takashi Tanikawa, Kohta Kurohane, Yasuyuki Imai: Regulatory effect of cannabinoid receptor agonist on chemokine-induced lymphocyte chemotaxis. *Biol. Pharm. Bull.*, 34, 1090–1093 (2011)

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Tomoko Matsuda, Takashi Maruyama, Hiromi Iizuka, Ayumi Kondo, Takuma Tamai, Kohta Kurohane, Yasuyuki Imai: Phthalate esters reveal skin-sensitizing activity of phenethyl isothiocyanate in mice. *Food Chem. Toxicol.*, 48, 1704–1708 (2010)

Takashi Tanikawa, Kohta Kurohane, Yasuyuki Imai: Regulatory effect of lysophosphatidic acid on lymphocyte migration. *Biol. Pharm. Bull.*, 33, 204–208 (2010)

Tomoko Matsuda, Kohta Kurohane, Yasuyuki Imai: Di-(2-ethylhexyl) phthalate enhances skin sensitization to isocyanate haptens in mice. *Toxicol. Lett.*, 192, 97–100 (2010)

Mari Kashiwamura, Kohta Kurohane, Takashi Tanikawa, Aya Deguchi, Daisei Miyamoto, Yasuyuki Imai: Shiga toxin kills epithelial cells isolated from distal but not proximal part of mouse colon. *Biol. Pharm. Bull.*, 32, 1614–1617 (2009)

Takahiro Shiba, Takashi Maruyama, Kohta Kurohane, Yusaku Iwasaki, Tatsuo Watanabe, Yasuyuki Imai: TRPA1 and TRPV1 activation is a novel adjuvant effect mechanism in contact hypersensitivity. *J. Neuroimmunol.*, 207, 66–74 (2009)

Tetsuya Taniguchi, Toshihiko Harada, Tsuyoshi Hayashi, Takashi Tanikawa, Kohta Kurohane, Masaki Miyake, Yasuyuki Imai: Elevated production of *Legionella*-specific immunoglobulin A in A/J mice is accompanied by T-helper 1-type polarization. *Immunol. Lett.*, 121, 123–126 (2008)

Takashi Tanikawa, Tomoyuki Ishikawa, Takeshi Maekawa, Kohta Kurohane, Yasuyuki Imai: Characterization of monoclonal immunoglobulin A and G against Shiga toxin binding subunits produced by intranasal immunization. *Scand. J. Immunol.*, 68, 414–422 (2008)

Takashi Tanikawa, Kohta Kurohane, Yasuyuki Imai: Production and characterization of IgA monoclonal antibody against ovalbumin. *Hybridoma*, 26, 328–332 (2007)

Takashi Tanikawa, Kohta Kurohane, Yasuyuki Imai: Induction of preferential chemotaxis of unstimulated B-lymphocytes by 2-arachidonoylglycerol in immunized mice. *Microbiol. Immunol.*, 51, 1013–1019 (2007)

Takashi Maruyama, Takahiro Shiba, Hiromi Iizuka, Tomoko Matsuda, Kohta Kurohane, Yasuyuki Imai: Effects of phthalate esters on dendritic cell subsets and interleukin-4 production in fluorescein isothiocyanate-induced contact hypersensitivity. *Microbiol. Immunol.*, 51, 321–326 (2007)

Takashi Maruyama, Hiromi Iizuka, Yuki Tobisawa, Takahiro Shiba, Tomoko Matsuda, Kohta Kurohane, Yasuyuki Imai: Influence of local treatments with capsaicin or allyl isothiocyanate in the sensitization phase of an FITC-induced contact sensitivity model. *Int. Arch. Allergy Immunol.*, 143, 144–154 (2007)

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<http://w3pharm.u-shizuoka-ken.ac.jp/bisei/English/index.html>