

学部：ビジネス情報学部

学科：スポーツマネジメント学科

役職：教授

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最終学歴・学位等

最終学歴: 三重大学医学部医学科

学位: 博士 (医学)

免許: 医師免許

所属学会等

日本小児科学会, 日本アレルギー学会, 日本小児アレルギー学会, 日本免疫学会, 日本小児リウマチ学会, American Academy of Allergy Asthma and Immunology (AAAAI), European Academy of Allergy and Clinical Immunology (EAACI), アレルギー・好酸球研究会.

専門・研究領域

小児アレルギー学, 膠原病, 好酸球, ウイルス感染喘息

主な論文・著作

主要論文 10 編

1. Kato M, Abraham RT, Kita H. Tyrosine phosphorylation is required for eosinophil degranulation induced by immobilized immunoglobulins. *J Immunol* 155: 357-366, 1995.
2. Kato M, Abraham RT, Okada S, Kita H. Ligation of the $\beta 2$ integrins triggers activation and degranulation of human eosinophils. *Am J Respir Cell Mol Biol* 18: 675-686, 1998.
3. Kato M, Kephart GM, Talley NJ, et al. Eosinophil infiltration and degranulation in normal human tissues. *Anat Rec* 252: 418-425, 1998.
4. Takizawa T*, Kato M*, Kimura H, et al. Inhibition of protein kinases A and C demonstrates dual modes of response in human eosinophils stimulated with platelet-activating factor. *J Allergy Clin Immunol* 110: 241-248, 2002.
*equal to contribute
5. Kato M, Kimura H, Motegi Y, et al. Platelet-activating factor activates two distinct effector pathways in human eosinophils. *J Immunol* 169: 5252-5259, 2002.
6. Suzuki M, Kato M, Hanaka H, Izumi T, Morikawa A. Actin assembly is a crucial factor for superoxide anion generation from adherent human eosinophils. *J Allergy Clin Immunol* 112: 126-133, 2003.
7. Kato M, Tachibana A, Suzuki M, et al. An atypical protein kinase C, PKC ζ , regulates human eosinophil effector functions. *Immunology* 116: 193-202, 2005.
8. Kato M, Tsukagoshi H, Yoshizumi M, et al. Different cytokine profile and eosinophil activation are involved in rhinovirus- and RS virus-induced acute exacerbation of childhood wheezing. *Pediatr Allergy Immunol* 22: e89-94, 2011.
9. Kato M, Suzuki K, Yamada Y, et al. Virus detection and cytokine profile in relation to age among acute exacerbations of childhood asthma. *Allergol Int* 64(Suppl): S64-S70, 2015.
10. Kama Y, Kato M, Yamada Y, et al. The suppressive role of *Streptococcus pneumoniae* colonization in acute exacerbations of childhood bronchial asthma. *Int Arch Allergy Immunol*. 181: 191-199, 2020.

主要著作・総説 5 編

1. Kato M, Tachibana A, Kimura H, Morikawa A. Bronchial asthma and bronchiolitis induced by respiratory syncytial virus: role of eosinophils. Current advances in pediatric asthma and other allergic diseases. p59-64. In: Morikawa A, editor. Maebashi, Jomo Newspaper Co., 2002.
2. Kato M, Hayashi Y, Kimura H. Role of oxygen radicals on inflammation and allergy: oxygen radicals in inflammation and allergy related to viral infections. *Curr Drug Targets Inflamm Allergy* 4: 497-501, 2005.
3. Kato M, Suzuki M, Hayashi Y, Kimura H. Role of eosinophils and their clinical significance on allergic inflammation. *Expert Rev Clin Immunol* 2: 121-133, 2006.
4. Kato M, Kimura H, Seki M, et al. Omenn syndrome: review of several phenotypes of Omenn syndrome and *RAG1/RAG2* mutations in Japan. *Allergol Int* 55: 115-119, 2006.
5. Kato M. Eosinophils in allergy and related diseases. Preface. *Int Arch Allergy Immunol* 161(Suppl 2): 1-2, 2013.