真村 瑞子 平成27年度業績

英語原著論文

1. Yoon JH, Sudo K, Kuroda M, Kato M, Lee IK, Han JS, Nakae S, Imamura T, Kim JR, Ju JH, Kim DK, Matsuzaki K, Weinstein M, Matsumoto I, Sumida T, **Mamura M**. Phosphorylation status determines the opposing functions of Smad2/Smad3 as STAT3 cofactors in T_H17 differentiation. *Nature Commun.* doi:10.1038/ncomms8600, 2015
2. Lee YS, Park JS, Jung SM, Kim SD, Kim JH, Lee JY, Jung KC, **Mamura M**, Lee S, Kim SJ, Bae YS, Park SH. Inhibition of lethal inflammatory responses through the targeting of membrane-associated Toll-like receptor 4 signaling complexes with a Smad6-derived peptide. *EMBO Mol Med.* doi: 10.15252/emmm.201404653, 2015

招聘講演

1. Smad/STAT シグナル伝達ネットワークによる Th17 分化制御機構, 第 25 回東京免疫フォーラム 東京大学医科学研究所, 2016.3.1, 東京
2. TGF-β 受容体制御型 Smad/STAT3 シグナル伝達ネットワークによる免疫細胞分化制御機構, 千葉医学会例会平成 27 年度細胞治療内科学例会 イブニングセミナー 千葉京成ホテルミラマーレ, 2016.2.11, 千葉
3. Phosphorylation status determines the divergent functions of Smad2 and Smad3 in STAT3-induced Th17 differentiation, Ajou International Symposium on Nanomedicine and Biomedical Sciences, Ajou University Hospital, 2015.4.30, Suwon, Korea
4. Dynamic Smad signaling networks in immune cell regulation, Cooperative International Framework in TGF-β Family Signaling and Grant-in-Aid for Scientific Research on Innovative Areas by MEXT Integrative Research on Cancer Microenvironment Network, Joint International Symposium on TGF-β family and Cancer (JSPS Core-to Core Program), 2015.1.13, Tsukuba, Japan

学会一般口演発表

1. Jeong-Hwan Yoon, Eunjin Bae, Katsuko Sudo, Seok Hee Park, Michael Weinstein, Susumu Nakae, In-Kyu Lee, Ji Hyeon Ju, Takayuki Sumida, Masahiko Kuroda, Mizuko Mamura. STAT3-induced downregulation of Smad3 selects Smad2 for TGF-β to suppress the immunogenicity of dendritic cells, 44th Annual Meeting of the Japanese Society for Immunology, 2015.11.20, Sapporo, Japan
2. **Mizuko Mamura,** Jeong-Hwan Yoon, Susumu Nakae, Isao Matsumoto, Takayuki Sumida, Inkyu Lee, Jin Soo Han, Ji Hyeon Ju, Katsuko Sudo, Mitsuyasu Kato, Masahiko Kuroda, Yukari Okubo. $CD8^+$ T Cell-intrinsic Smad4 Suppresses Th2 Responses in the Pathogenesis of Contact Hypersensitivity, WAC 2015 XXIII World Allergy Congress, 2015.10.14, Seoul, Korea
3. **Mizuko Mamura,** Jeong-Hwan Yoon, Katsuko Sudo, Susumu Nakae, Isao Matsumoto, Takayuki Sumida. Molecular mechanisms of allergic skin diseases, Tokyo, Japan, $CD8^+$ T cell-intrinsic Smad4 suppresses T helper 2 (Th2) cells in the pathogenesis of contact hypersensitivity, The 64th Meeting of Japanese Society of Allergology, English Session-Oral4, 2015.5.27.
4. **Mizuko Mamura**, Jeong-Hwan Yoon, Ji Hyeon Ju, Isao Matsumoto, Takayuki Sumida. Opposing roles of Smad2 and Smad3 as transcription cofactors of STAT3 in T_H17 differentiation, The 59th Annual General Assembly and Scientific Meeting of the Japan College of Rheumatology, International Concurrent Workshop Basic 6, RA2, 2015.4.24, Nagoya, Japan

研究補助金獲得状況

1. Basic Science Research Program through the National Research Foundation of Korea (NRF) funded by the Ministry of Education, Science and Technology (2015R1A1A3A04001051)
2. Pioneer Research Center Program through the National Research Foundation of Korea funded by the Ministry of Science, ICT & Future Planning (2015-001937 and 2015-001923)