

薬学領域生物学

Biology Domain of Pharmacy

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◆ 研究概要

自己／非自己認識の細胞生物学的機構および認識に伴う細胞内シグナル伝達機構の解析. 天然物由来成分の抗腫瘍・抗アレルギー効果の解析.

◆ 原著

- 1) Kageyama-Yahara N., Suehiro Y., Maeda F., Kageyama S., Fukuoka J., Katagiri T., Yamamoto T., Kadowaki M.: Pentagalloylglucose down-regulates mast cell surface FcεRI expression in vitro and in vivo. FEBS Lett, 4: 584(1): 111-8, 2010.
- 2) Akimoto M., Mishra K., Lim K.T., Tani N., Hisanaga S., Katagiri T., Elson A., Mizuno K. & Yakura H.: Protein Tyrosine Phosphatase ε is a Negative Regulator of FcεRI-mediated Mast Cell Responses. Scand J Immunol, 69: 401-411, 2009.

◆ 学会報告

- 1) Katagiri T., Nakada M., Kawamichi M., Muraguchi A. and Aradate T. : Clethra barbinervis leaf extract (CBLE) inhibits intracellular signal transduction of mast cells mediated by the Fc epsilon RI. 2nd European Congress of Immunology, 2009, 9, 13-16, Berlin, Germany. www.eci-berlin2009.com. European Journal of Immunology supplement 1/09. Vol.39 No.S1 2009 pp.S1-S808 ISSN 0014-2980 EJIMAF 39(S1)S1-S808(2009) Vol.39 No.S1 September 2009.
- 2) Katagiri T., Umekawa M., Muraguchi A.: CD45 negatively regulates anti-tumor activity of macrophage stimulated with LPS, The 39th Annual Meeting of the Japanese Society for Immunology, 2009, 12, 1-3, Osaka. Proceeding of the Japanese Society for Immunology [Abstracts Vol. 39, 2009 ISSN 0919-1984, p124, 2-D-W28-9-P].

◆ その他

- 1) Oshima K.*, Katagiri T.: Differential Regulation of Lyn in FcεRI Raft or BCR Raft. J Liberal arts and Sci (Univ of TOYAMA), 37: 1-13, 2009.
- 2) Nakada M.*, Aradate T. & Katagiri T.: C. barbinervis extract and I. crenata extract influence a degranulation signal with a different mechanism, J Liberal arts and Sci (Univ of TOYAMA), 37: 15-29, 2009.