

# 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) Katagiri T., Fukasawa K., and Umekawa M. : Receptor type tyrosine phosphatase CD45 controls antitumor activation of macrophage. *The Journal of Liberal Arts and Sciences Sugitani Campus, University of Toyama*, 40: 63-76, 2012.

### ◆ 総説

- 1) Katagiri T. : The ignition mechanism of antigen receptor signal of immune cell is still full of mysteries. *The Journal of Liberal Arts and Sciences Sugitani Campus, University of Toyama*, 40: 99-110, 2012.

### ◆ 学会報告

- 1) Kawamura M., Sasajima Y., Mitsuhashi Y., Kanamori M., and Katagiri T. : Activation mechanism of anti-tumor macrophage by Hachinosutake extract (Polyporus alveolaris extract: PAE). *The 71st Annual Meeting of the Japanese Cancer Association -Towards a new era and liaison of cancer research and life science-*, 2012, 9, 19-21, Sapporo.
- 2) Hatashima K., Mitsuhashi Y., Miyahara T., Marusugi A., Suzuki K., Hori T., Yasuda T., Nishita Y., Katagiri T., and Kanamori M. : Cateckin induces apoptosis in MG-63 osteosarcoma cells. *The 71st Annual Meeting of the Japanese Cancer Association -Towards a new era and liaison of cancer research and life science-*, 2012, 9, 19-21, Sapporo.
- 3) Kanamori M., Hatashima K., Miyahara T., Mitsuhashi Y., Nishita Y., Marusugi A., Suzuki K., Hori T., Yasuda T., and Katagiri T. : The effects of flavonol on cultured MG-63 osteosarcoma cells. *The 71st Annual Meeting of the Japanese Cancer Association -Towards a new era and liaison of cancer research and life science-*, 2012, 9, 19-21, Sapporo.
- 4) Katagiri T., and Aradate T. : Molecular mechanism of the anti-allergic effect of the emergency food Clethra barbinervis. *INSDH2012 (The 6th International Niigata Symposium on Diet and Health)*, 2012, 10, 16-17, Niigata.
- 5) Hachiya M., and Katagiri T. : Swiprosin-1/EFhd2 is involved in the initial reaction of the IgE Fc receptor signal. *The 85th Annual Meeting of the Japanese Biochemical Society*, 2012, 12, 14-16, Fukuoka.