

生化学講座細胞情報学分野

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
石崎 明	生化学講座細胞情報科学分野	教授	博士（歯学）	機能系基礎歯科学、 歯科医用工学・再生 歯学	<p>①Ishisaki, A. et al. (1st in 9 authors): Differential Inhibition of Smad6 and Smad7 on bone morphogenetic protein- and activin-mediated growth arrest and apoptosis in B cells. / J. Biol. Chem., 274: 13637-13642, (1999)</p> <p>②Ishisaki, A. et al. (1st in 4 authors): Human umbilical vein endothelium-derived cells retain potential to differentiate into smooth muscle-like cells. / J. Biol. Chem., 278: 1303-1309, (2003)</p> <p>③Yoshida, M. et al. (8th in 8 authors): TGF-β-operated growth inhibition and translineage commitment into smooth muscle cells of periodontal ligament-derived endothelial progenitor cells through Smad- and p38MAPK-dependent signals. / Int. J. of Biol. Sci. 8: 1062-1074 (2012)</p> <p>④Aomatsu, E. et al. (8th in 9 authors): Novel SCRG1/BST1 axis regulates self-renewal, migration, and osteogenic differentiation potential in mesenchymal stem cells. / Sci. Rep., 4:3652 (2014)</p> <p>⑤Tamaoki, N. et al. (9th in 14 authors): The homeobox gene DLX4 promotes generation of human induced pluripotent stem cells. / Sci. Rep., 4:7283 (2014)</p>
加茂 政晴	生化学講座細胞情報科学分野	准教授	博士（理学）	機能系基礎歯科学、 構造生物化学、腫瘍 生物学	<p>①Saito, D., et al.: Transforming growth factor-β1 induces epithelial-mesenchymal transition and integrin α3β1-mediated cell migration of HSC-4 human squamous cell carcinoma cells through Slug / J. Biochem. 153: 303-315 (2013)</p> <p>②Yoshida, Y., Ito, S., Kamo, M., et al.: Production of hydrogen sulfide by two enzymes associated with biosynthesis of homocysteine and lanthionine in <i>Fusobacterium nucleatum</i> subsp. <i>nucleatum</i> ATCC 25586 / Microbiol. 156: 2260-2269 (2010)</p> <p>③Iida, T., Kamo, M., et al.: Further application of a two-step heparin affinity chromatography method using divalent cations as eluents: purification and identification of membrane-bound heparin binding proteins from the mitochondrial fraction of HL-60 cells / J. Chromatography B, 823: 209-212 (2005)</p> <p>④Kamo, M. and Tsugita, A.: Specific cleavage of amino side chains of serine/threonine in peptides and proteins with S-ethyl trifluorothioacetate vapor / Eur. J. Biochem. 255: 162-171(1998)</p> <p>⑤Kamo, M., et al.: Separation and Characterization of <i>Arabidopsis thaliana</i> proteins by two-dimensional gel electrophoresis / Electrophoresis, 16: 423-430 (1995)</p>

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客本 齊子	生化学講座細胞情報科学分野	特任准教授	博士（歯学）	機能系基礎歯科学、再生歯学	<p>①Kimura, H. et al. (4th in 7 authors): EGF positively regulates the proliferation and migration, and negatively regulates the myofibroblast differentiation of periodontal ligament-derived endothelial progenitor cells through MEK/ERK- and JNK-dependent signals. <i>Cell Physiol Biochem.</i> 32: 899-914 (2013)</p> <p>②Saito, D., et al. (2nd in 9 authors): Transforming growth factor-β1 induces epithelial-mesenchymal transition and integrin α3β1-mediated cell migration of HSC-4 human squamous cell carcinoma cells through Slug. / <i>J. Biochem.</i> 153: 303-315 (2013)</p> <p>③Yoshida, M et al. (7th in 8 authors): TGF-β-operated growth inhibition and translineage commitment into smooth muscle cells of periodontal ligament-derived endothelial progenitor cells through Smad- and p38MAPK-dependent signals. / <i>Int. J. of Biol. Sci.</i> 8: 1062-1074 (2012)</p> <p>④Takahashi, M. et al. (last in 9 authors/Corresponding author): Fibroblast growth factor-induced ERK1/2 signaling reciprocally regulates proliferation and smooth muscle cell differentiation of ligament-derived endothelial progenitor cell-like cells. / <i>Int. J of Mol. Med.</i> 29: 357-364 (2012)</p> <p>⑤高橋美香子、大久保直登、帖佐直幸ら(他5名、last author)/ 維芽細胞増殖因子(FGF1)によるラット歯周靭帯由来未分化間葉系細胞様細胞の増殖促進効果発現メカニズム。/ <i>口腔組織培養学会誌</i> 20(1): 23-24 (2010)</p>
帖佐 直幸	生化学講座細胞情報科学分野	特任講師	博士（地球環境科学）	分子生物学・細胞生物学・機能生物化学	<p>①Aomatsu E., Takahashi N., Sawada S., Okubo N., Hasegawa T., Taira M., Miura H., Ishisaki A., Chosa N. "Novel SCRG1/BST1 axis regulates self-renewal, migration, and osteogenic differentiation potential in mesenchymal stem cells". <i>Scientific Reports</i>, 4:3652, 2014.</p> <p>②Tamaoki N., Takahashi K., Aoki H., Iida K., Kawaguchi T., Hatakeyama D., Inden M., Chosa N., Ishisaki A., Kunisada T., Shibata T., Goshima N., Yamanaka S., Tezuka K. "The homeobox gene DLX4 promotes generation of human induced pluripotent stem cells". <i>Scientific Reports</i>, 4:7283, 2014.</p> <p>③Kanno Y., Ishisaki A., Kawashita E., Chosa N., Nakajima K., Nishihara T., Toyoshima K., Okada K., Ueshima S., Matsushita K., Matsuo O., Matsuno H. "Plasminogen/plasmin modulates bone metabolism by regulating the osteoblast and osteoclast function". <i>Journal of Biological Chemistry</i>, 286:8952-8960, 2011.</p> <p>④Jang I.H.*, Chosa N.*, Kim S.H., Nam H.J., Lemaitre B., Ochiai M., Kambris Z., Brun S., Hashimoto C., Ashida M., Brey P.T., Lee W.J. "A Spätzle-processing enzyme required for Toll signaling activation in <i>Drosophila</i> innate immunity". <i>Developmental Cell</i>, 10:45-55, 2006. *co-first authors.</p> <p>⑤Chosa N., Taira M., Saitoh S., Sato N., Araki Y. "Characterization of apatite formed on alkaline-heat-treated Ti". <i>Journal of Dental Research</i>, 83:465-469, 2004.</p>