

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>③Kanno, Y. et al. (2nd in 12 authors): Plasminogen/Plasmin modulates bone metabolism by regulating the osteoblast and osteoclast function. / J. Biol. Chem., 286: 8952-8960, (2011)</p> <p>④早川太郎、須田立雄、木崎治俊監修 畑隆一郎、高橋信博、宇田川信之、東 俊文、上條竜太郎、石崎 明、加藤靖正共著「序章 口腔機能の分子・細胞生物学的理解のために」担当 / 口腔生化学第5版 医歯薬出版株式会社 2011年</p> <p>⑤Yoshida, 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>
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	講師	博士（歯学）	機能系基礎歯科学、再生歯学	<p>①Kyakumoto, S., Kito, N., and Sato, N. / Expression of cAMP response element binding protein (CREB)-binding protein (CBP) and the implication in retionic acid-inducible transcription activation in human salivary gland adenocarcinoma cell line HSG. / Endocr. Res. 29(3): 277-289. (2003)</p> <p>②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. / 口腔組織培養学会誌 20(1): 23-24 (2010)</p> <p>③Takahashi, 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. / Int. J of Mol. Med. 29: 357-364 (2012)</p> <p>④Yoshida, 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. / Int. J. of Biol. Sci. 8: 1062-1074 (2012)</p> <p>⑤Saito, D., et al. (2nd in 9 authors): Transforming growth factor-β 1 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>
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>①Takahashi N., Chosa N., Hasegawa T., Nishihira S., Okubo N., Takahashi M., Sugiyama Y., Tanaka M., Ishisaki A. "Dental pulp cells derived from permanent teeth express higher levels of R-cadherin than do deciduous teeth: Implications of the correlation between R-cadherin expression and restriction of multipotency in mesenchymal stem cells". Archives of Oral Biology, 57:44-51, 2012.</p> <p>②Kanno 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". Journal of Biological Chemistry, 286:8952-8960, 2011.</p> <p>③Nishihira S., Okubo N., Takahashi N., Ishisaki A., Sugiyama Y., Chosa N. "High-cell density-induced VCAM1 expression inhibits the migratory ability of mesenchymal stem cells". Cell Biology International, 35:475-481, 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 Spatzleprocessing enzyme is indispensable for Toll signaling activation in Drosophila innate immunity". Developmental Cell, 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". Journal of Dental Research, 83:465-469, 2004.</p>