

## 15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>Ishisaki, 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>Ishisaki, 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>Kanno, 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>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>Yoshida, M. et al. (8th in 8 authors): TGF-<math>\beta</math>-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>Saito, D., et al.: Transforming growth factor- 1 induces epithelial-mesenchymal transition and integrin 3 1-mediated cell migration of HSC-4 human squamous cell carcinoma cells through Slug / J. Biochem. 153: 303-315 (2013)</p> <p>Yoshida, Y., Ito, S., Kamo, M., et al.: Production of hydrogen sulfide by two enzymes associated with biosynthesis of homocysteine and lanthionine in Fusobacterium nucleatum subsp. nucleatum ATCC 25586 / Microbiol. 156: 2260-2269 (2010)</p> <p>Iida, 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>Kamo, M. and Tsugita, A.: Specific cleavage of amino side chains of serine/threonine in peptides and proteins with S-ethyl trifluoroacetate vapor / Eur. J. Biochem. 255: 162-171(1998)</p> <p>Kamo, M., et al.: Separation and Characterization of Arabidopsis thaliana proteins by two-dimensional gel electrophoresis / Electrophoresis, 16: 423-430 (1995)</p>

15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
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>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>Takahashi, 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>Yoshida, 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>Saito, D., et al.(2nd in 9 authors): Transforming growth factor- 1 induces epithelial-mesenchymal transition and integrin 3 1-mediated cell migration of HSC-4 human squamous cell carcinoma cells through Slug. / J. Biochem. 153: 303-315 (2013)</p> <p>Kimura, 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.Cell Physiol Biochem. 32: 899-914 (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>Aomatsu 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". Scientific Reports, 4:3652, 2014.</p> <p>Yokota J., Chosa N., Sawada S., Okubo N., Takahashi N., Hasegawa T., Kondo H., Ishisaki A. "PDGF-induced PI3K-mediated signal enhances TGF-β-induced osteogenic differentiation of human mesenchymal stem cells in the TGF-β-activated MEK-dependent manner". International Journal of Molecular Medicine, 33:534-542, 2014.</p> <p>Kanno 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>Jang 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 Drosophila innate immunity". Developmental Cell, 10:45-55, 2006. *co-first authors.</p> <p>Chosa 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>