

生化学講座細胞情報科学分野

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>④Kanno, Y. et al. (4th in 4 authors): uPA-derived peptide, A6 is involved in the suppression of lipopolysaccharide-promoted inflammatory osteoclastogenesis and the resultant bone loss./Immun. Inflamm. Dis., doi:10.1002/iid3.169, (2017)</p> <p>⑤Takizawa, N. et al. (12th in 13 authors): Bone marrow-derived mesenchymal stem cells propagate immunosuppressive/anti-inflammatory macrophages in cell-to-cell contact-independent and -dependent manners under hypoxic culture./ Exp. Cell Res., doi:10.1016/j.yexcr.2017.07.014, (2017)</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、 外科系歯学、腫瘍生 物学	<p>①Chiba T., et al. (last in 6 authors/Corresponding author): Transforming growth factor-β1 suppresses bone morphogenetic protein-2-induced mesenchymal-epithelial transition in HSC-4 human oral squamous cell carcinoma cells via Smad1/5/9 pathway suppression./ Oncol Rep. 37:713-720 (2017)</p> <p>②Hino M., et al. (2nd in 7 authors/Corresponding author): Transforming growth factor-β1 induces invasion ability of HSC-4 human oral squamous cell carcinoma cells through the Slug/Wnt-5b/MMP-10 signalling axis./ J. Biochem. 159:631-640 (2016)</p> <p>③Saito, D., et al. (last in 9 authors/Corresponding author): 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>④Kamo, 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>⑤Kamo, M., et al. (1st in 4 authors): Separation and Characterization of Arabidopsis thaliana proteins by two-dimensional gel electrophoresis./ Electrophoresis 16:423-430 (1995)</p>

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帖佐 直幸	生化学講座細胞情報科学分野	准教授	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>①Inoue M., Yamada J, Aomatsu-Kikuchi E., Satoh K., Kondo H., Ishisaki A., Chosa N. "SCRGI suppresses LPS-induced CCL22 production through ERK1/2 activation in mouse macrophage Raw264.7 cells". Molecular Medicine Reports, 15:4069-4076, 2017.</p> <p>②Suzuki K.*, Chosa N.*, Sawada S., Takizawa N., Yaegashi T., Ishisaki A. "Enhancement of anti-inflammatory and osteogenic abilities of mesenchymal stem cells via cell-to-cell adhesion to periodontal ligament-derived fibroblasts". Stem Cells International, 2017:3296498, 2017. *co-first authors.</p> <p>③Aomatsu E., Takahashi N., Sawada S., Okubo N., Hasegawa T., Taira M., Miura H., Ishisaki A., Chosa N. "Novel SCRGI/BST1 axis regulates self-renewal, migration, and osteogenic differentiation potential in mesenchymal stem cells". Scientific Reports, 4:3652, 2014.</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 Spatzle-processing 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. *co-first authors.</p>
横田 聖司	生化学講座細胞情報科学分野	助教	博士（歯学）	機能系基礎歯科学、分子生物学、細胞生物学	<p>①Yokota S., Chosa N., Kyakumoto S., Kimura H., Ibi M., Kamo M., Satoh K., Ishisaki A. "ROCK/actin/MRTF signaling promotes the fibrogenic phenotype of fibroblast-like synoviocytes derived from the temporomandibular joint". International Journal of Molecular Medicine, 39:799-808, 2017.</p> <p>②Takizawa N.*, Okubo N.*, Kamo M., Chosa N., Mikami T., Suzuki K., Yokota S., Ibi M., Ohtsuka M., Taira M., Yaegashi Y., Ishigaki A., Kyakumoto S. "Bone marrow-derived mesenchymal stem cells propagate immunosuppressive/anti-inflammatory macrophages in cell to cell contact-independent and -dependent manners under hypoxic culture". Experimental Cell Research, 358:411-420, 2017. *co-first authors.</p> <p>③Nemoto A., Chosa N., Kyakumoto S., Yokota S., Kamo M., Noda M., Ishisaki A., "Water-soluble factors eluted from surface pre-reached glass ionomer filler promote osteoblastic differentiation of human mesenchymal stem cells". Molecular Medicine Reports, 17:3448-3454. 2018.</p> <p>④Ohta M.*, Nemoto A.*, Chosa N., Kyakumoto S., Yokota S., Kamo M., Shibata S., Joh S., Satoh K., Ishisaki A. "Toll-like receptor 4-mediated signaling activated by lipopolysaccharide suppresses transforming growth factor-beta-induced nerve growth factor expression in periodontal ligament-derived fibroblasts". Dental Journal of Iwate Medical University, 43:61-73. 2018. *co-first authors.</p> <p>⑤Ohta M., Chosa N., Kyakumoto S., Yokota S., Okubo N., Nemoto A., Kamo M., Joh S., Satoh K., Ishisaki A. "IL-1β and TNF-α suppress TGF-β-promoted NGF expression in periodontal ligament-derived fibroblasts through inactivation of TGF-β-induced Smad2/3-, and p38 MAPK-mediated signals". International Journal of Molecular Medicine, 43:1484-1494. 2018</p>