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	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) 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) 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) ④Kanno, Y.et al.(4th in 4 authors):uPA-derived peptide, A6 is involved in the suppression of lipopolysaccaride-promoted inflammatory osteoclastogenesis and the resultant bone loss./Immun. Inflamm. Dis., doi:10.1002/iid3.169,(2017) 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)
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	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) 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) 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) 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) ⑤Kamo, M., et al.(1st in 4 authors): Separation and Characterization of Arabidopsis thathiana proteins by two-dimensional gel electrophoresis./ Electrophoresis 16:423-430(1995)

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氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
帖佐　直幸	生化学講座細胞情報科学分野	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	①Inoue M., Yamada J, Aomatsu-Kikuchi E., Satoh K., Kondo H., Ishisaki A., Chosa N. "SCRG1 suppresses LPS-induced CCL22 production through ERK1/2 activation in mouse macrophage Raw264.7 cells". Molecular Medicine Reports, 15:4069-4076, 2017. 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. ③Aomatsu 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. 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. 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.
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	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.