

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）	常態系口腔科学関連、 病態系口腔科学関連、 腫瘍生物学関連	<p>①Matsumoto, S., et al. (8th in 8 authors): Receptor tyrosine kinase ligands and inflammatory cytokines cooperatively suppress the fibrogenic activity in temporomandibular-joint-derived fibroblast-like synoviocytes through mitogen-activated protein kinase kinase/extracellular signal-regulated kinase. <i>Exp. Ther. Med.</i>, 20: 1967-1974, 2020.</p> <p>②Takizawa, 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., <i>Exp. Cell Res.</i>, 358: 411-420, 2017.</p> <p>③Kanno, Y., et al. (2nd in 12 authors): Plasminogen/Plasmin modulates bone metabolism by regulating the osteoblast and osteoclast function. <i>J. Biol. Chem.</i>, 286: 8952-8960, 2011.</p> <p>④Ishisaki, A., et al. (1st in 4 authors): Human umbilical vein endothelium-derived cells retain potential to differentiate into smooth muscle-like cells. <i>J. Biol. Chem.</i>, 278: 1303-1309, 2003.</p> <p>⑤Ishisaki, 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. <i>J. Biol. Chem.</i>, 274: 13637-13642, 1999.</p>

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
加茂 政晴	生化学講座細胞情報科学分野	准教授	博士（理学）	常態系口腔科学関連、 病態系口腔科学関連、 腫瘍生物学関連	<p>①Hirano T., et al.(last in 5 authors/Corresponding author): TGF-β 1 induces N-cadherin expression by upregulating Sox9 expression and promoting its nuclear translocation in human oral squamous cell carcinoma cells./ Oncol Lett. 20:474-482(2020)</p> <p>②Hino M., et al. (2nd in 7 authors/Corresponding author): Transforming growth factor-β 1 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-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> <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.(1st in 4 authors): Separation and Characterization of Arabidopsis thaliana proteins by two-dimensional gel electrophoresis./ Electrophoresis 16:423-430(1995)</p>

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
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）	常態系口腔科学関連、医科学関連、免疫学関連	<p>①Chosa N., Ishisaki A. "Two novel mechanisms for maintenance of stemness in mesenchymal stem cells: SCRG1/BST1 axis and cell-cell adhesion through N-cadherin". Japanese Dental Science Review, 54:37-44, 2018.</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 SCRG1/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>

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
横田 聖司	生化学講座細胞情報科学分野	助教	博士（歯学）	常態系口腔科学関連、病態系口腔科学関連	<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>