解剖学講座発生生物･再生医学分野

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
原田　英光	解剖学講座発生生物･再生医学分野	教授	博士（歯学）	形態系基礎歯科学 口腔解剖学・再生歯学	①Itaya S, Oka k, Ogata K, Tamura S, Kira-Tatsuoka M, Fujiwara N, Ohtsu K, Tsuruga E, Ozaki M,Harada H. Hertwig's epithelial root sheath cells contribute to formation of periodontal ligament through epithelial-mesenchymal transition by TGF-β. Biomed Res. 38(1):61-69(2017) ②Otsu K, Ida-Yonemochi H, Fujiwara N, Harada H. The Semaphorin 4D-RhoA-Akt Signal Cascade Regulates Enamel Matrix Secretion in Coordination with Cell Polarization During Ameloblast Differentiation. J Bone Miner Res.31(11):1943-1954.(2016) ③Ida-Yonemochi H, Otsu K, Ohshima H, Harada H. The glycogen metabolism via Akt signaling is important for the secretion of enamel matrix in tooth development. Mech Dev.139 18-30 (2016) ④ Lee MJ, Kim EJ, Otsu K, Harada H, Jung HS. Sox2 contributes to tooth development via Wnt signaling. Cell Tissue Res. 365(1):77-84.(2016) ⑤Bori, E, Guo J, Rácz R, Burghardt B, Földes A, Kerémi B, Harada H, Steward MC, DenBesten P, Antonius LJJ Bronckers ALJJ, Varga G. Evidence for bicarbonate secretion by ameloblasts in a novel cellular model. J Dent Res. 95(5):588-96 (2016)
藤原　尚樹	解剖学講座発生生物･再生医学分野	准教授	博士（歯学）	形態系基礎歯科学 口腔解剖学・再生歯学	①Otsu K, Ida-Yonemochi H, Fujiwara N, Harada H.: The Semaphorin 4D-RhoA-Akt signal cascade regulates enamel matrix secretion in coordination with cell polarization during ameloblast differentiation. Journal of Bone and Mineral Research.J Bone Miner Res.31(11):1943-1954(2016) ②藤原尚樹，熊上深香，大津圭史，原田英光：Hertwig上皮鞘の特性と発達に関わる因子．岩医大歯誌，41，1-9 2016 (Review) ③Masuda T*, Otsu K*, Kumakami-Sakano M, Fujiwara N, Ema M, Hitomi J, Sugiyama Y, Harada H: Combined administration of BMP-2 and HGF facilitate bone regeneration through angiogenic mechanisms. (*equal contribution). Journal of Hard Tissue Biology. 24(1), 7-16, (2015). ④Kumakami-Sakano M, Otsu K, Fujiwara N, Harada H: Regulatory mechanisms of Hertwig's epithelial root sheath formation and anomaly correlated with root length. Exp. Cell Res. 325(2): 78-82 (2014) ⑤Sakano M, Otsu K, Fujiwara N, Fukumoto S, Yamada A, Harada H: Cell dynamics in cervical loop epithelium during transition from crown to root: implications for Hertwig's epithelial root sheath formation.J. Period. Res. 48:262-26 (2013)

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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
大津　圭史	解剖学講座発生生物･再生医学分野	講師	博士（歯学）	形態系基礎歯科学 口腔解剖学・再生歯学	①Otsu K, Ida-Yonemochi H, Fujiwara N, Harada H.:The Semaphorin 4D-RhoA-Akt signal cascade regulates enamel matrix secretion in coordination with cell polarization during ameloblast differentiation. Journal of Bone and Mineral Research. in press (2016). ②Otsu K, Harada H.:Rho GTPases in ameloblast differentiation.Japanese Dental Science Review. 52(2), 32-40, (2016). ③Lee MJ, Kim EJ, Otsu K, Harada H, Jung HS.:Sox2 contributes to tooth development via WNT signaling. Cell & Tissue Research. 365, 77-84, (2016) ④Ida-Yonemochi H, Otsu K, Ohshima H, Harada H.:The glycogen metabolism via Akt signalling is important for the secretion of enamel matrix in tooth development. Mechanisms of Development.139, 18-30, (2016) ⑤Masuda T*, Otsu K*, Kumakami-Sakano M, Fujiwara N, Ema M, Hitomi J, Sugiyama Y, Harada H: Combined administration of BMP-2 and HGF facilitate bone regeneration through angiogenic mechanisms.Journal of Hard Tissue Biology. 24(1), 7-16, (2015). (*equal contribution).