

①-1 学術論文 [英文]

a) 原著

- 1) Yokoi T., Saito M., Kiyono T., Iseki S., Kosaka K., Nishida E., Tsubakimoto T., Harada H., Eto K., Noguchi T., Teranaka T. Establishment of immortalized dental follicle cells for generating periodontal ligament *in vivo*. *Cell Tissue Res.* 327(2):301-11, 2007
- 2) Xu L., Takahashi R., Harada H., Taniguchi A. Effect of BMP-2 on gene expression of enamel matrix proteins s at the dental epithelial cell line. *Open Biotechnol J.* 1 18-20, 2007
- 3) Schwab W, Harada H, Goetz W, Nowicki M, Witt M, Kasper M, Barth K. Immunocytochemical and biochemical detection of EMMPRIN in the rat tooth germ: differentiation-dependent co-expression with MMPs and co-localization with caveolin-1 in membrane rafts of dental epithelial cells. *Histochem Cell Biol.* 128(3):195-203, 2007. Epub 2007 Aug 8.
- 4) Yoshizaki K, Yamamoto S, Yamada A, Yuasa K, Iwamoto T, Fukumoto E, Harada H, Saito M, Nakasima A, Nonaka K, Yamada Y, Fukumoto S. Neurotrophic factor NT-4 regulates ameloblastin expression via full-length TrkB. *J Biol Chem.* 2007 Nov 28; Epub
- 5) Yokohama-Tamaki T, Fujiwara N, Shibata S, Wakisaka S, Harada H. The epithelial-mesenchymal interaction plays a role in the maintenance of the stem cell niche of mouse incisors via Fgf10 and Fgf9 signaling. *Open Biotechnol J.* in press.
- 6) Xu L., Harada H., Ikoma T., Taniguchi A. Hydroxyapatite- and amelogenin protein-induced expression of mineralization-related genes in a dental epithelial cell line. *Open Biotechnol J.* in press.
- 7) Danjo A., Yamaza T., Kido M. A., Shimohira D., Tsukuba T., Kagiya T., Yamashita Y., Nishijima K., Masuko S., Goto M., Tanaka T. Cystatin C stimulates the differentiation of mouse osteoblastic cells and bone formation. *Biochem Biophys Res Commun*, 360, 199-204.

Proceeding

- 1) N. Fujiwara, T. Kagiya, K. Ishizeki, & H. Harada, Egf prevents formation of Hertwig's epithelial root sheath during developing mouse molar tooth *in vitro*. *European Cells & Materials Journal*, 14, Suppl. 2 p54, 2007
- 2) Kagiya, T., Fujiwara, N., Ishizeki, K., J Xiao, Harada, H. A role of Wnt5a in continuously growing mice incisors. *European Cells & Materials Journal*, 14, Suppl. 2 p91, 2007

①-2 学術論文 [和文]

- 1) 原田英光、藤原尚樹、大島勇人：歯冠形成から歯根形成に移行するメカニズム。岩医大歯誌, 32: 97-104, 2007

② 著書

③ 国際学会発表

a) 招聘講演 (指名講演)

- 1) Naoki Fujiwara, Tadayoshi Kagiya, Kiyoto Ishizeki, Hidemitsu Harada. EGF prevent formation of Hertwig's epithelial root sheath during developing mouse molar tooth *in vitro*. 9th International Conference on Tooth Morphogenesis and Differentiation 2007 (Zurich, Switzerland) 2007 Sep. 4-8
- 2) N. Fujiwara, T. Kagiya, K. Ishizeki, K. Otsu, T. Akimoto, H. Harada. Hertwig's epithelial root sheath is made of outer enamel epithelium. *Gordon Research*

Conference on Craniofacial Morphogenesis & Tissue Regeneration, (Ciocco, Barga, Italy) 2008 Feb. 10-15

b) 一般講演

- 1) Kagiya, T., Fujiwara, N., Ishizeki, K., J Xiao, Harada, H. A role of Wnt5a in continuously growing mice incisors. 9th International Conference on Tooth Morphogenesis and Differentiation (Zurich, Switzerland) 2007 4.9-8.9
- 2) Xu L., Harada, H., Taniguchi, A. The exon 6ABC region of amelogenin mRNA contribute to increased levels of amelogenin mRNA through amelogenin protein-enhanced mRNA stabilization. 9th International Conference on Tooth Morphogenesis and Differentiation (Zurich, Switzerland) 2007 4.9-8.9
- 3) Yamada, A., Fukumoto, E. Yoshizaki, K., Yuasa, K., Yamamoto, S., Iwamoto, T., Furukawa, S., Harada, H., Saito, M., Nonaka, K., Fukumoto, S. Gap junctional communication regulates ameloblast differentiation. 9th International Conference on Tooth Morphogenesis and Differentiation (Zurich, Switzerland) 2007 4.9-8.9
- 4) Yamaguchi, Y., Ichioka, H., Toyosawa, S., Harada, H., Nishimura, R., T Yoneda T. Role of P38 kinase and JNK in tooth development. 9th International Conference on Tooth Morphogenesis and Differentiation (Zurich, Switzerland) 2007 4.9-8.9
- 5) Yokohama-Tamaki, T., Shibata, S., Wakisaka, S., Harada, H. Fgf-9 play a role for the maintenance of stem cell niche via Fgf-10 expression in the mouse incisors. 9th International Conference on Tooth Morphogenesis and Differentiation (Zurich, Switzerland) 2007 4.9-8.9
- 6) Yoshizaki, K., Yamada, A., Yuasa, K., Yamamoto, S., Iwamoto, T., Harada, H., Saito, M., Fukumoto, E., Nonaka, K., Fukumoto, S. Neurotrophic factor NT-4 regulates ameloblastin expression. 9th International Conference on Tooth Morphogenesis and Differentiation (Zurich, Switzerland) 2007 4.9-8.9
- 7) Harada, H., Fujiwara, N., T Yokohama-Tamaki, T., Kagiya, T., Tabata, Y., Ishizeki, K. Mechanisms on maintenance of dental stem cells and how to make a biotooth. (Tsukuba, Japan) 2007 12.6-12.8
- 8) Taniguchi, A., Xu, L., Harada, H. Molecular Mechanisms of Amelogenin over Expression and Enamel Formation at Tooth Development. 1st Asian Biomaterials Congress (Integrated Congress of 6th Asian International Symposium on Biomaterials and 8th Asian Symposium on Biomedical Materials), Tsukuba, Japan. 2007 12.6-12.8
- 9) Matsumoto, A., Xu, L., Saito, M., Harada, H., Taniguchi, A. Increased ameloblastin expression in dental epithelial cell line by co-culture with mesenchymal cell line. 1st Asian Biomaterials Congress (Integrated Congress of 6th Asian International Symposium on Biomaterials and 8th Asian Symposium on Biomedical Materials), Tsukuba, Japan. 2007 12.6-12.8
- 10) A Taniguchi, L Xu, H Harada. Effects of amelogenin and Hap on dental epithelial cell differentiation and enamel formation. 1st Asian Biomaterials Congress (Integrated Congress

of 6th Asian International Symposium on Biomaterials and 8th Asian Symposium on Biomedical Materials), Tsukuba, Japan. 2007 12.6-12.8

④-1 国内学会発表（全国）

a) 招聘講演

- 1) 石関清人、鍵谷忠慶、藤原尚樹、原田英光：メッケル軟骨の局所形態発生とその運命. 第 112 回日本解剖学会全国学術集会. シンポジウム, (大阪) 2007 年 3 月 27 日.
- 2) 原田英光, 鍵谷忠慶, 藤原尚樹, 石関清人：ヘルトビッチの上皮鞘 (HERS) 形成過程の新規仮説と歯根発生メカニズム, 第 49 回歯科基礎医学会学術大会サテライトシンポジウム (札幌) 2007 年 8 月 29 日
- 3) 藤原尚樹：器官培養を用いた歯根発生メカニズムの解明, 第 49 回歯科基礎医学会学術大会サテライトシンポジウム (札幌) 2007 年 8 月 29 日
- 4) 原田英光, 藤原尚樹, 鍵谷忠慶, 石関清人：歯の幹細胞の維持機構の解明から歯の再生への展開. ワークショップ . 第 30 回日本分子生物学会年会と第 80 回日本生化学会大会合同大会. (横浜) 2007 年 12 月 15 日
- 5) 原田英光、藤原尚樹、鍵谷忠慶、石関清人：マウス切歯の組織幹細胞を用いた歯の再生、第 7 回日本再生医療学会 (名古屋) 2008、3/13-3/14
- 6) 原田英光、藤原尚樹、鍵谷忠慶、石関清人：マウス切歯の組織幹細胞を用いた歯の再生、第 113 回日本解剖学会総会・全国学術集会 (大分) 2008、3/27-3/29

b) 一般講演

- 1) 鍵谷忠慶、藤原尚樹、石関清人、原田英光：Wnt5a ノックアウトマウス歯胚の組織学所見について. 岩手医科大学歯学会第 36 回例会. (盛岡) 2007 年 2 月 24 日
- 2) 鍵谷忠慶、佐々木憲明、石関清人、藤原尚樹、原田英光：Calpain 阻害剤を用いた破骨細胞のアポトーシス抑制. 第 112 回日本解剖学会総会・全国学術集会. (大阪) 2007 年 3 月 28 日
- 3) 石関清人, 原田英光, 鍵谷忠慶, 藤原尚樹：メッケル軟骨細胞の脾臓内移植からみた細胞の形質転換, 第 49 回歯科基礎医学会学術大会・総会 (札幌) 2007 年 8 月 30 日
- 4) 秋元 義、藤原尚樹、鍵谷忠慶、石関清人、原田英光：ヘルトヴィッチ上皮鞘細胞の不死化、第 113 回日本解剖学会総会・全国学術集会 (大分) 2008、3 月 27-29