

## ABSTRACTS: ORAL PRESENTATIONS

<b>General Tooth Development</b>		
1	Hovorakova M.	Early development of the lower incisor in mice
O2	Tummers M.	On the maintenance of the complex cusp pattern in continuously growing molars
O3	Churava S.	Evaluation of apoptosis and proliferation in the area of rudimentary premolar tooth primordia in the mouse embryonic mandible
O4	Ghafoor S.	Primary cilia in tooth development
O5*	Ida-Yonemochi H.	Differential expression and functional significance of glucose transporters during murine tooth development
O6	Verstraeten B.	The cadherin-catenin complex during zebrafish tooth development
O7	Nieminen P.	Advances in understanding abnormalities of tooth number
O8	Witten P.E.	Eat it all: Tooth resorption in teleost fish
<b>Stem Cells And Signalling</b>		
O9*	Papagerakis P	Purification and characterization of human dental epithelial stem cells

O10	Amendt B.A.	MicroRNA regulated tooth epithelial stem cell differentiation: Specific MicroRNAs target BMP, Wnt and chromatin remodeling complexes
O11	Zahradnicek O.	Development of tooth cusps in the gecko <i>Paroedura picta</i> : Cusp generation without an enamel knot
O12	Lapthanasupkul P.	Ring1a/b polycomb proteins regulate the mesenchymal stem cell niche in continuously growing incisors
O13	Hu B.	Essential role of mesenchymal Notch-RBP-Jkappa signaling in controlling dental epithelial cell fate during mouse tooth development
O14	Cho S.-W	The interaction between Wnt, Shh and <i>Sostdc1</i> governs the spatial patterning of teeth
O15	Seidel K.	Hedgehog signaling directs generation of progeny from adult stem cells in the continuously growing mouse incisor
O16	Peters H.	<i>Evc</i> regulates symmetric and asymmetric responses to Shh signalling in tooth development
O17	Thesleff I.	Downstream targets of Ectodysplasin in developing teeth
O 18	Porntaveetus T	Diverse roles of <i>Lrp4</i> in craniofacial ectodermal organ development
O19	Descroix V	Amelogenin and RANK pathway in root and bone phenotype of the <i>Msx2</i> null mutant mouse
O20	Khonsari R.H.	The role of <i>Pkd2</i> in tooth development
O21	Nakatomi M.	A genetic pathway involving <i>Msx1</i> , <i>Bmp4</i> and <i>Pax9</i> connects growth and morphogenesis during upper lip development
O22	Wang X.-P.	Molecular regulations of supernumerary tooth formation
<b>Ameloblasts and Amelogenesis</b>		
O23	Takano Y.	Structural and cytochemical analyses of enamel and enamel forming cells in the teeth of amelogenin-deficient mice

O24*	Zhang Y.	Induction of human keratinocytes into enamel-secreted ameloblasts
O25	Ganss B.	Amelotin: Introducing a new player in the team of enamel matrix proteins
O26	DenBesten P.	The role of Amelotin on differentiation of ameloblasts
O27	Lyaruu D.M.	A high calcium supplement partially prevents fluoride toxicity on secretory amelogenesis in developing hamster tooth germs in vitro: Ultrastructural studies
O28	Chun Y.-H.P.	Ameloblastin in enamel formation: Rescue of amelogenesis imperfecta and processing by enamel proteinases
O29	Bronckers A.L.	Immunolocalisation of NBCe1 in the mouse enamel organ
O30	Deutsch D.	The recombinant human amelogenin protein and regeneration of mouse non-union calvarial defect
O31	Catón J.	Ameloblastoma characterization and in vitro stimuli response
O32	Sasaki A.	New hypothesis of cross-striation formation mechanism
<b>Odontoblasts and Dentinogenesis</b>		
O33	Bleicher F.	How odontoblasts can sense enamel erosion
O34*	Farges J.-C.	Pathogen sensing by human odontoblasts
O35	Napierala D.	Overexpression of the Trps1 transcription factor in odontoblasts results in a dentinogenesis imperfecta-like phenotype
O36*	Saito K.	The expression of GM-CSF and osteopontin in immunocompetent cells precedes the odontoblast differentiation following allogenic tooth transplantation in mice
O37	Mina M.	Analysis of Col1a1-2.3GFP transgene during odontoblast differentiation

<b>Dental Pulp</b>		
O38	Varga G.	Neuronal differentiation of human dental pulp stem cells in vitro and in vivo - potential for tissue engineering
O39*	Ohshima H.	Establishment of in vitro culture system for evaluation of the dentin-pulp complex regeneration with special reference to differentiation capacity of the BrdU-label-retaining dental pulp
O40*	Mutoh N.	Responses of BrdU-label-retaining dental pulp cells to allogeneic tooth transplantation into mouse maxilla
<b>Tooth Bone Interface</b>		
O41	Ota M.S.	The role of Wnt signaling for patterning of molar tooth roots in mammals
O42	Honda M.	Label-retaining epithelial cells in mouse epithelial cell rests of Malassez
O43	Gadban N.	The biology of periodontally accelerated tooth movement
O44	Suda N.	Fibrillin-1 is indispensable for normal collagen fiber architecture and gene expression in periodontal ligament
O45*	Chen S.	Regulation of osteoblast differentiation and ECM remodeling by BMP2/4 in vitro
O46	Berdal A.	Non redundant role of Msx1 homeogene on neurectodermal osteogenesis
<b>Craniofacial Biology And Tissue Engineering</b>		
O47	Amendt B.A.	The planar cell polarity effector gene, Fuz is essential for craniofacial and tooth development
O48	Cobourne M.T.	Interactions between Gas1, Cdo and Boc during early development of the craniofacial midline and dentition

O49	Lähdesmäki R.E.	Variation of tooth root lengths in human X chromosome aneuploids
O50	Moffatt P.	Characterization of two novel genes expressed in tooth and associated epithelia
O51	Heikinheimo K.	Genomic copy number alteration analysis of sporadic and Gorlin-syndrome associated keratocystic odontogenic tumour (odontogenic keratocyst)
O52	Lesot H.	Tooth engineering: Organization of dental matrices in implanted dental cell-cell reassociations
<b>Evolution And Development</b>		
O53	Huysseune A.	Of teeth, pouches and pores: the ectoderm/endoderm connection in development and evolution
O54	Peterkova R.	Rudimentary structures and dental anomalies
O55	Prochazka J.	Signaling centers in mouse embryonic mandible reflect an ancestral tooth pattern
O56	Delgado S.	Evolutionary analysis of enamelin in mammals, sauropsids and amphibians provides new insights on its function
O57	Moustakas J.E.	The evolution and development of the mammalian dentition: Insights from the marsupial <i>Monodelphis domestica</i>
O58	Renvoisé E.	Developmental mechanisms in the evolution of morphological key innovation in small mammals
O59	Meredith Smith M.	Teeth at the margins in lungfish fill a phylogenetic gap
O60	Spoutil F.	How bats reach perfect occlusion? Late odontogenesis of tribosphenic molar
O61	Willems M.	Tooth replacement in <i>Xenopus tropicalis</i> : A WNT-WNT situation

<b>Workshop</b>		
W62	Mues G.	In vitro investigations of the Pax9/Msx1/Bmp4 interrelationship in tooth bud mesenchyme
* Also published as "Short Communication"		