

Pleenary Lecture

PL-1

Diversity and Function of Extracellular Matrix

Yoshifumi Ninomiya

Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceut. Sci.

Lecture by JAOB/Lion Dent Research Awards Winner

L-1

Mechanism of ameloblast differentiation regulated by ameloblastin

Satoshi Fukumoto

Div. of Pediatr. Dent., Tohoku Univ. Grad. Sch. of Dent.

L-2

The investigation of the mechanism of bone metabolism by the transcription factor, NF- κ B, for solving clinical problems

Eijiro Jimi

Kyushu Dent. Coll., Div. of Molecular Signaling & Biochem.

JAOB/Rising Members Award Winner

Y-1

Nerve growth factor contribution via transient receptor potential vanilloid 1 to ectopic orofacial pain

Masamichi Shinoda

Dept. of Physiol., Nihon Univ. Sch. Dent.

Y-2

Essential role of small GTPase Rac1 during limb development

Dai Suzuki

Dept. of Biochem., Showa Univ. Sch. Dent.

Y-3

Reactivation of latently infecting viruses by microbial interactions

Kenichi Imai

Dept. of Microbiol., Nihon Univ. Sch. Dent.

Y-4

Functional role of Rho-kinase in ameloblast differentiation

Keishi Otsu

Div. of Dev. Biol. & Regen. Med., Dept. of Anatomy., Iwate Med. Univ.

Pleenary Lecture

PL-2

The HAYABUSA MISSION-Its seven years flight

Junichiro Kawaguchi

Japan Aerospace Exploration Agency (JAXA) Senior Fellow,

Inst. of Space and Astronautical (ISAS), Dept. of Space Flight Systems

Symposium (Science Council of Japan; SCJ)

CS-1

Next generation diagnosis and therapy using microRNA and telomere toward the super-aged society

Hidetoshi Tahara

Dept. of Cellular and Molecular Biol., Grad. Sch. Biomed. Sci. Hiroshima Univ.
CS-2

Basic idea of dental medicine supposed stages of old and decline

Kenji Matsushita

Dept. of Oral Dis. Res., National Center for Geriatr. and Gerontol.

CS-3

Mastication physiology focused on the super aging society

Makoto Inoue

Div. of Dysphagia Rehabil., Niigata Univ. Grad. Sch. of Med. and Dent. Sci.

Main Symposium 1 (JAOB Symposium): A New Concept of Biofilm-mediated Oral Diseases—Symbiosis and Dysbiosis—

MS1-1

Novel effects of salivary-Bacterial interactions affecting oral biofilms

Frank A. Scannapieco

Dept. of Oral Biol., Sch. of Dent. Med., Univ. at Buffalo, The State Univ. of New York

MS1-2

Individual variance of dental plaque maturation process related with oral health

Yoshihisa Yamashita

Sec. of Preventive and Public Health Dent., Div. of Oral Health, Growth and Development, Kyushu Univ.

Fac. of Dent. Sci.

MS1-3

Metabolic modulation of caries-related biofilm—The process from symbiosis to dysbiosis—

Nobuhiro Takahashi

Div. of Oral Ecol. and Biochem., Dept. of Oral Biol., Tohoku Univ. Grad. Sch. of Dent.

MS1-4

Host-microbial co-evolution in periodontitis associated with *Aggregatibacter actinomycetemcomitans*

Toshiyuki Nagasawa

Div. of Periodontol. & Endodontol., Dept. of Oral Rehabil., Sch. of Dent., Health Sci. Univ. of Hokkaido

Satellite symposium 1: Dental Pulp: Time for a Paradigm Shift

SS1-1

Generation of induced pluripotent stem cells from dental pulp

Masaki Honda, Taku Toriumi, Momoko Sato, Keitaro Isokawa

Nihon Univ. Sch. of Dent.

SS1-2

Differentiation of dental pulp stem cells to multiple types of tissue

Ken Yaegaki, Nikolay Ishkitiev

Dept. of Oral Health., Sch. Life Dent., The Nippon Dent. Univ.

SS1-3

Neuro-regenerative activities of human dental pulp stem cells

Akihito Yamamoto

Dept. of Oral and Max. Surg., Nagoya Univ. Grad. Sch. Med.

SS1-4

Dental pulp-derived stem cell-based immune therapy

Takayoshi Yamaza

Satellite symposium 2: Morphological and Functional Dynamics of Salivary Gland

SS2-1

Suggested roles of the intercalated duct in developing and regenerating submandibular glands localization of heat shock protein 27 and its dynamics

Osamu Amano¹, Kenichi Mizobe^{1,2}

¹Div. of Anat., Meikai Univ. Sch. Dent., ²Div. of Oral Rehabil., Meikai Univ. Sch. Dent.

SS2-2

Possibility of *E2f1*-deficient NOD/SCID mice as a model for dry mouth

Keitaro Sato¹, Takanori Narita², Miwako Fukushima³, Tatsuro Ito⁴, Hidenobu Senpuku⁵, Hiroshi Sugiya²

¹Dept. of Regul. Physiol., Dokkyo Med. Univ. Sch. Med., ²Lab. of Vet. Biochem., Nihon Univ. Coll. Bioresource Sci., ³Dept. of Physiol., Nihon Univ. Sch. Dent. at Matsudo, ⁴Dept. of Pediatr. Dent., Nihon Univ. Sch. Dent. at Matsudo, ⁵Dept. of Bacteriol. I, Nat. Inst. Infect. Dis.

SS2-3

Remineralization strategy for enamel subsurface lesions utilizing bleaching therapy

Yoshiharu Mukai¹, Junko Iizuka¹, Yuko Takagaki², Toshio Teranaka¹

¹Dept. of Oral Med., Div. of Restorative Dent., Kanagawa Dent. Coll., ²Dept. of Functional Biol., Div. of Biochem. and Molecular Biol., Kanagawa Dent. Coll.

SS2-4

Toward the expansion of dental care by new saliva tests

Keiichi Tsukinoki

Div. of Pathol., Dept. of Maxillofacial Diagnostic Sci., Kanagawa Dent. Coll.

Satellite symposium 3: Cutting Edge and Perspective of iPS Cells Research in Dental Medicine

SS3-1

Cutting edge and perspective of iPS cells research in dental medicine

Hidemitsu Harada

Iwate Med. Univ. Dept. of Anatomy Div. of Developmental Biol. & Regenerative Med.

SS3-2

Development of clinical-grade human iPS cells toward regenerative medicine: study of human iPS cells generation under Xeno-Free culture condition

Takumi Miura, Masakazu Machida, Akihiro Hosoda, Takashi Ohkura, Akihiro Umezawa, Hidenori Akutsu
Dept. of Reproductive Biol., Center for Regenerative Med., National Res. Inst. for Child Health and Development

SS3-3

Application of gingiva-derived iPS cells to dental sciences

Hiroshi Egusa

Dept. of Fixed Prosthodont., Osaka Univ. Grad. Sch. of Dent.

SS3-4

Generation of iPS cells from oral tissue and its clinical usage to dental field in pediatric dentistry

Issei Saito

Div. of Pediatr. Dent., Niigata Univ.

SS3-5

Differentiation of iPS cells into odontoblasts and the application to tooth regeneration

Keishi Otsu

Div. of Dev. Biol. & Regen. Med., Dept. of Anatomy., Iwate Med. Univ.

SS3-6

Induction of ameloblast differentiation from iPS cells for tooth regeneration

Makiko Arakaki^{1,2}

¹Div. of Pediatr. Dent., Dept. of Oral Health and Development Sci., ²Liaison Center for Innovative Dent., Tohoku Univ. Grad. Sch. of Dent.

Satellite symposium 4: Involvement of Epigenetics in Development of Diseases— Involvement of Epigenetics in Inflammatory Oral Diseases

SS4-1

Involvement of epigenetics in development of diseases—Involvement of epigenetics in inflammatory oral diseases

Yoshihiro Abiko

Div. of Oral Med. and Pathol. Sch. of Dent. Health Sci. Univ. of Hokkaido

SS4-2

Implications of epigenetics and dynamic epigenome for biomedical sciences

Kunio Shiota

Lab. of Cellular Biochem., Animal Resource Sci. /Veterinary Med. Sci., The Univ. of Tokyo

SS4-3

Epigenetics in tooth germ development

Satoshi Fukumoto

Div. of Pediatr. Dent., Tohoku Univ. Grad. Sch. of Dent.

SS4-4

Epigenetics in Angelman syndrome and Prader-Willi syndrome

Tohru Ohta

The Res. Inst. of Personalized Health Sci., Health Sci. Univ. of Hokkaido

Satellite symposium 5: Serendipity of the Tooth—Periodontal Tissue Complex

SS5-1

Phylogeny of tooth root and periodontal tissue

Otto Baba

Sect. Biostruct., Grad. Sch. Med. Dent., Tokyo. Med. Dent. Univ.

SS5-2

Pulp-periodontal tissue interaction during pulpal healing after tooth replantation/transplantation

Noriko Mutoh¹, Nobuyuki Tani-Ishii¹, Hayato Ohshima²

¹Div. Endodont., Kanagawa Dent. Coll., ²Div. Anat. Cell Biol. Hard Tissue, Niigata Univ. Grad. Sch. Med. Dent. Sci.

SS5-3

HGF stimulates root growth during the development of mouse molar teeth

Naoki Fujiwara, Mika Sakano, Keishi Otsu, Hidemitsu Hadara

Div. Dev. Biol. Regenerative Med., Dept. Anat., Iwate Med. Univ.

SS5-4

Shh-Fgf loop regulate tooth root-periodontal tissue development

Masato Ota

Sect. Mol. Craniofac. Emb., Grad. Sch. Med. Dent., Tokyo. Med. Dent. Univ.

Satellite symposium 6: Mouse Genetics Approaches Decipher Molecular Mechanisms of Craniofacial Development

SS6-1

Mouse genetics approaches decipher molecular mechanisms of craniofacial development

Haruhiko Akiyama

Dept. of Orthopaedic Fac. of Med., Kyoto Univ.

SS6-2

Spatiotemporal analyses of skeletal development and etiology through dysostosis model mice

Tadahiro Iimura

Sec. of Oral Pathol., Global Center of Excellence Program, Tokyo Med. and Dent. Univ.

SS6-3

Wnt5a-Ror2 signals enhance osteoclastogenesis

Yasuhiro Kobayashi

Inst. for Oral Sci., Matsumoto Dent. Univ.

SS6-4

Roles of small G proteins, Rac1 and Cdc42 during bone and cartilage formation

Atsushi Yamada

Dept. of Biochem., Sch. of Dent., Showa Univ.

SS6-5

Functional analysis of Epiprofin knockout mice

Takashi Nakamura

Div. of Pediatr. Dent., Dept. of Oral Health and Development Sci., Tohoku Univ. Grad. Sch. of Dent.

Satellite symposium 7: The Oral Microbiome and Biofilm Research: New Concepts and New Approaches—Presentations by Young Researchers

SS7-1

The oral microbiome in disease and health

William G. Wade

Microbiol. Unit, King's College London Dent. Inst.

SS7-2

Oral microflora in dry mouth patients determined by T-RFLP analysis

Yoshiko Hayashi¹, Toru Saito¹, Takuya Arita¹, Tomoko Ohshima², Yoichi Nakagawa³ and Nobuko Maeda²
R&D Dept., Sunstar Inc.¹, Dept. Oral Microbiol., Sch. Dental Med., Tsurumi Univ.², Dept. Clinical Pathophysiol., Tsurumi Univ. Dent. Hospital³

SS7-3

An approach to the fungicidal mechanism of antimicrobial peptides, human beta-Defensins against *Candida albicans*

Hitoshi Watanabe, Tomoko Ohshima and Nobuko Maeda

Dept. Oral Microbiol., Sch. Dent. Med., Tsurumi Univ.

SS7-4

Micromolar level NaF promotes epithelial cell growth and reduces *Porphyromonas gingivalis*-induced alveolar bone loss

Ujjal K. Bhawal^{1,2}

Dept. Biochem. Mol. Biol., Nihon Univ. Sch. Dent. Matsudo¹, Dept. Health Science, Div. Oral Health, Kanagawa Dent. Coll.²

SS7-5

The virulence factors of *Actinomyces naeslundii*

Takenori Sato, Kiyoko Watanabe, Hidefumi Kumada, Toshizo Toyama, Nobushiro Hamada
Div. Microbiol., Dept. Infect. Cont., Kanagawa Dent. Coll.

SS7-6

The biofilm formation with novel oral *Veillonella* spp., *V. tobetsuensis*

Izumi Mashima, Futoshi Nakazawa

Dept. Oral Microbiol., Sch. Dent., Health Sci. Univ. Hokkaido

SS7-7

Purification and characterization of hemolysin from *Prevotella oris*

Toshiya Sato

Dept. Oral Microbiol., Sch. Dent., Health Sci. Univ. Hokkaido

Satellite symposium 8: Microcirculation in the Head and Neck Region

SS8-1

Origine of endothelial cells and mechanisms which guide angioblasts to the anatomical pattern of venous vascular system in cranial region

Sumio Isogai, Erina Saito, Eiji Kimura, Jiro Hitomi

Dept. of Anat., Sch. of Med. Iwate Med. Univ.

SS8-2

The micro-structural changes in vasculature in head and neck muscles

Iwao Sato, Yoko Miwa

Dept. of Anat., Nippon Dent. Univ. Sch. Life Dent. at Tokyo

SS8-3

Lymphatic architecture beneath the epithelium and lymphatic vessels as a drug delivery route

Yoshinori Ando, Akira Fujimura

Dept. of Anatomy, Div. of Functional Morphol., Iwate Med. Univ.

SS8-4

Heterogeneity of the tumor vasculature

Shuji Kitahara

Dept. of Anatomy and Development Biol., Tokyo Women's Med. Univ. Sch. of Med.

■ Oral Presentation

O-1	Applied cell sheet engineering for oral soft tissue regeneration ○Yamane S ^{1,2} , Umezawa T ¹ , Higa K ^{2,3} , Shimazaki J ^{2,3} , Ide Y ¹ , Abe S ^{1,2} (¹ Dept. of Anat., Tokyo Dent. Coll., ² Oral Health Sci. Cent., Tokyo Dent. Coll., ³ Dept. of Oph., Ichikawa General Hospital, Tokyo Dent. Coll.)
O-2	Regenerations of periodontal nerve fibers following nerve graft in experimental diabetic rats ○Hamada N ¹ , Honma S ¹ , Wakisaka S ¹ (¹ Dept. of Oral Anat. and Dev. Bio., Osaka Univ. Sch. Dent.)
O-3	Clarification of postnatal changes of pulp cell population using the mouse model for allogenic tooth germ transplantation ○Ohshima H ¹ , Nakaki T ¹ , Saito K ¹ , Nakagawa E ¹ , Ida-Yonemochi H ¹ (¹ Div. of Anat. Cell Biol. of Hard Tissue, Niigata Univ. Grad. Sch. Med. Dent. Sci.)
O-4	Immunohistochemical expression of thymosin beta4 in ameloblastomas in comparison with that in odontomas ○Kiyoshima T ¹ , Nagata K ¹ , Wada H ¹ , Fujiwara H ¹ , Sakai H ¹ (¹ Lab. of Oral Pathol., Fac. of Dent. Sci., Kyushu Univ.)
O-5	MMP-3 can resolves irreversible pulpitis and contributes to regenerate dental pulp ○Nakamura H ¹ , Nakashima M ¹ (¹ Dept. of Dent. Regenerative Med., National Center for Geriatrics and Gerontology.)
O-6	Localization of proteoglycans in mouse dental pulp ○Yukita A ¹ , Hosoya A ¹ , Nakamura H ¹ (¹ Dept. of Oral Histology, Matsumoto Dent. Univ.)
O-7	Effectiveness of antimicrobials in the pulpal healing process following intentionally delayed tooth replantation ○Quispe-Salcedo A ¹ , Ida-Yonemochi H ¹ , Ohshima H ¹ (¹ Div. of Anat. Cell Biol. of Hard Tissue, Niigata Univ. Grad. Sch. Med. Dent. Sci.)
O-8	Localizations of SUMOylation factors and Osterix during odontoblast differentiation ○Hosoya A ¹ , Yukita A ¹ , Ninomiya T ² , Hiraga T ¹ , Yoshida K ³ , Yoshida N ³ , Nakamura H ¹ (¹ Dept. of Oral Histology, Matsumoto Dent. Univ., ² Inst. for Dent. Sci., Matsumoto Dent. Univ., ³ Div. of Cariology, Operative Dent. and Endodontics, Niigata Univ. Grad. Sch. of Med. and Dent. Sci.)
O-9	Expression of TRPM8 and TRPA1 channels in rat odontoblasts ○Tsumura M ^{1,2} , Sobhan U ¹ , Sato M ¹ , Nishiyama A ³ , Tazaki M ² , Shibukawa Y ^{1,2} (¹ Oral Health Sci. Center hrc8, Tokyo Dent. Coll., ² Dept. of Physiol., Tokyo Dent. Coll., ³ Dept. of Oral Med., Tokyo Dent. Coll.)
O-10	Expression pattern and possible function of thymosin beta 10 regulating mouse tooth germ formation ○Shiotsuka M ^{1,2} , Wada H ¹ , Kiyoshima T ¹ , Nagata K ¹ , Fujiwara H ¹ , Takahashi I ² (¹ Lab. of Oral Pathol., Fac. of Dent. Sci., Kyushu Univ., ² Sec. of Ortho., Fac. of Dent. Sci., Kyushu Univ.)
O-11	Histology and elemental composition of the denticle in the human permanent teeth ○Takahashi M ¹ , Goto S ² (¹ Dept. of Dent. Hygiene, Nippon Dent. Univ. Coll. at Niigata, ² Dept. of Dent. Material Sci., Sch. of Life Dent. at Niigata, Nippon Dent. Univ.)
O-12	Enamel proteins and proteases in <i>Mmp20</i> and <i>Klk4</i> null and double-null mice ○Yamakoshi Y ¹ , Oida S ¹ (¹ Dept. of Molecular Biochem., Tsurumi Univ. Sch. Dent.)
O-13	The maintenance mechanism of BrdU label-retaining dental pulp cells during pulpal healing following tooth injuries in mice ○Saito K ^{1,2} , Ohshima H ¹ (¹ Div. of Anatomy and Cell Biol. of the Hard Tissue, Dept. of Tissue Regeneration and Reconstruction, Niigata Univ. Grad. Sch. of Med. and Dent. Sci., ² JSPS Research Fellow)
O-14	Mean of the horn of pulp ○Kozawa Y ¹ , Baba O ² , Terashima T ³ (¹ Nihon Univ., ² Biostructural Sci., Tokyo Med. Dent. Univ., ³ Maxillofacial Anatomy, Tokyo Med. Dent. Univ.)
O-15	Dental anatomy education using CTimage together and the contribution to society (The 2nd news) ○Takahashi T ¹ , Kumasaka S ² , Moriyama H ³ , Kobayashi S ⁴ (¹ Dept. of Anatomy, Kanagawa Dent. Coll., ² Komazawa Univ. Dept. of Radiological Sci. Fac. of Health Sci., ³ Showa Univ. Sch. of Med. Dept. of Anatomy, ⁴ Kyushu Dent. Coll. Anatomy)
O-16	Development of implant surgery simulator as an educational tool-Construction of mechanical database including failure cases- ○Fukuda M ¹ , Kinoshita H ¹ , Matsunaga S ¹ , Ide Y ¹ , Abe S ¹ (¹ Dept. of Anatomy, Tokyo Dent. Coll.)
O-17	GPR30 signaling mediated Na, K-ATPase activation in macrophage like cells ○Hirasawa K ¹ , Deyama Y ² , Yoshimura Y ² , Suzuki K ² (¹ Dept. Gerodontol., Grad. Sch. of Dent. Med., Hokkaido Univ., ² Dept. Mol. Cell Pharmacol., Grad. Sch. of Dent. Med., Hokkaido Univ.)
O-18	PRIP regulates exocytosis by binding to PI(4,5)P ₂ and SNAREs ○Takeuchi H ^{1,2} , Sugiyama G ¹ , Nagano K ¹ , Ohtani T ¹ , Hirata M ¹ (¹ Lab. of Mol. Cell. Biochem., Fac. of Dent. Sci., Kyushu Univ., ² Div. of Appl. Pharmacol., Dept. of Health Promotion, Kyushu Dent. Coll.)
O-19	Effect of pilocarpine as a muscarinic partial agonist on Ca ²⁺ dynamics and saliva secretion in rat salivary gland ○Nezu A ¹ , Morita T ¹ , Tojyo Y ² , Tanimura A ¹ (¹ Dept. of Pharmacol., Sch. of Dent., Health Sci. Univ. of Hokkaido, ² Dept. of Biophys., Sch. of Dent., Health Sci. Univ. of Hokkaido)
O-20	Roles of Epac in masseter muscle hypertrophy ○Ohnuki Y ¹ , Okumura S ¹ (¹ Dept. of Physiol., Tsurumi Univ. Sch. Dent. Med.)
O-21	Evaluation of thermal stability of biological activities of the short proline-rich peptides in human saliva ○Saitoh E ¹ , Taniguchi M ² , Kato T ^{3,4} (¹ Grad. Sch. of Technol., Niigata Inst. of Technol., ² Grad. Sch. of Sci. Technol., Niigata Univ., ³ Lab. of Chem., Tokyo Dent. Coll., ⁴ Oral Health Sci. Center hrc8, Tokyo Dent. Coll.)
O-22	Expression and changes of Hsp27 in rat submandibular glands under surgical stimulations ○Mizobe K ^{1,2} , Bando Y ¹ , Sakiyama K ¹ , Amano O ¹ (¹ Div. of Anatomy, Dept. of Human Development and Fostering, Meikai Univ. Sch. Dent., ² Div. of Oral Rehabilitation, Dept. of Restorative and Biomaterials Sci., Meikai Univ. Sch. Dent.)

O-23	The role of glycogen metabolism during murine salivary gland development ○Ida-Yonemochi H ¹ , Nakagawa E ¹ , Ohshima H ¹ (¹ Div. of Anat. Cell Biol. of Hard Tissue, Niigata Univ. Grad. Sch. Med. Dent.)
O-24	Functional mechanism of transient receptor potential channels (TRPs) in salivary glands during salivary secretion ○Sobhan U ¹ , Sato M ¹ , Shinomiya T ^{1,3} , Okubo M ² , Tsumura M ^{1,2} , Tazaki M ² , Kawaguchi M ³ (¹ Oral Health Sci. Cent hrc8, Tokyo Dent. Coll., ² Dept. of Physiol., Tokyo Dent. Coll., ³ Dept. of Pharmacol., Tokyo Dent. Coll.)
O-25	Transcriptional and post-transcriptional regulation in TGF-β-mediated epithelial-mesenchymal transition ○Saitoh M ¹ (¹ Dept. of Biochem. Univ. of Yamanashi)
O-26	Pericyte depletion results in hypoxia-associated Epithelial-to-Mesenchymal Transition and metastasis mediated by Met signaling pathway ○Maeda G ^{1,2} , Cooke V ² , Lebleu V ² , Imai K ¹ , Kalluri R ² (¹ Dept. of Biochem., Nippon Dent. Univ., ² Dept. of Matrixbiology, Harvard Univ, Beth Israel Deaconess Med. Center)
O-27	Tumor vasculature and tumor-associated macrophages in oral squamous cell carcinoma ○Nakau K ¹ , Taya Y ¹ , Shimazu Y ¹ , Fujita K ¹ , Sato K ¹ , Aoba T ¹ (¹ Dept. of Pathol., Sch. Life Dent., The Nippon Dent. Univ.)
O-28	Tumor-induced angio/lymphangiogenesis in xenograft mouse model ○Shirako Y ¹ , Soeno Y ¹ , Taya Y ¹ , Shimazu Y ¹ , Fujita K ¹ , Sato K ¹ , Aoba T ¹ (¹ Dept. of Pathol., Sch. Life Dent., The Nippon Dent. Univ.)
O-29	Expression of vesicular nucleotide transporter (VNUT) in trigeminal ganglion ○Goto T ¹ , Gunjigake K ² , Kataoka S ¹ , Kobayashi S ¹ (¹ Div. of Anatomy, Kyushu Dent. Coll., ² Div. of Orthodontics, Kyushu Dent. Coll.)
O-30	Nociceptive mechanism via endothelin receptors in rat trigeminal ganglion neurons ○Yamamoto T ^{1,2} , Ono K ¹ , Hitomi S ¹ , Shiiba S ² , Inenaga K ¹ (¹ Dept. of Biosci., Kyushu Dent. Coll., ² Dept. Control of Physical Functions, Kyushu Dent. Coll.)
O-31	Conditioned medium from stem cells from human deciduous teeth promotes functional recovery after spinal cord injury ○Matsubara K ¹ , Yamamoto A ¹ , Sakai K ¹ , Ueda M ¹ (¹ Dept. of Oral and Max. Sur., Nagoya Univ. Grad. Sch. Med.)
O-32	The p53-independent nuclear translocation of Cyclin G1 in degenerating neurons by brain ischemic insults ○Maeda M ¹ , Takemura A ¹ , Uemura M ¹ , Toda I ¹ , Suwa F ¹ (¹ Dept. of Anat.Osaka Dent. Univ.)
O-33	Histamine H ₃ -heteroreceptors suppress synaptic transmission in rat insular cortex ○Kobayashi M ¹ , Takei H ¹ , Koshikawa N ¹ (¹ Dept. of Pharmacol., Nihon Univ. Sch. Dent.)
O-34	Differences in projections from the primary and secondary somatosensory cortex to the trigeminal sensory nuclear complex in the rat ○Yoshida A ¹ , Kato T ¹ , Sato F ¹ , Haque T ¹ (¹ Dept. of Oral Anat. and Neurobiol., Osaka Univ. Grad. Sch. Dent.)
O-35	Differences in the modulation of jaw opening reflex responses between working side and balancing side during fictive mastication ○Matsunaga T ¹ , Morita T ¹ , Ito Y ² , Hiraba K ¹ (¹ Dept. of Physiol, Sch. of Dent., Aichi-Gakuin Univ., ² Dept. of Oral & Maxillofac. Surg., Sch. of Dent., Aichi-Gakuin Univ.)
O-36	The role of chromogranin A in inflammation-induced chronic pain ○Sun Li ¹ , Wu Z ¹ , Hayashi Y ¹ , Nakanishi H ¹ (¹ Dept.of Aging Sci. and Phmarcol. Kyusyu Univ. Fac. Dent. Sci.)
O-37	Modification of neuronal activity through the microglial circadian clock gene ○Hayashi Y ¹ , Wu Z ¹ , Nakanishi H ¹ (¹ Dept. of Aging Sci. and Pharamcol., Fac. of Dent. Sci. Kyushu Univ.)
O-38	Development of mouse intrinsic lingual muscles in the embryonal period ○Kikuchi A ¹ , Abe S ¹ , Ide Y ¹ (¹ Dept. of Anatomy Tokyo Dent. Coll.)
O-39	Effect of high mobility group box 1 (HMGB1) on muscle fibers surrounding the carcinoma of tongue ○Takizawa S ^{1,2} , Sakiyama K ¹ , Inoue K ² , Bando Y ¹ , Amano O ¹ (¹ Div. of Anatomy, Dept. of Human Development and Fostering, Meikai Univ. Sch. Dent., ² Div. of Oral Maxillofacial Surgery, Dept. of Diagnostic and Therapeutic Sci, Meikai Univ. Sch. of Dent.)
O-40	Structural variability of the undercoat structures on the apposed membrane in the osteoclasts ○Akisaka T ¹ , Yoshida H ¹ (¹ Div. of Oral Anat. Asahi Univ. Sch. Dent.)
O-41	A morphological study of foramen ovale in primates ○Kondo S ¹ , Naitoh M ² , Matsuno M ¹ (¹ Dept. of Anatomy 1, Nihon Univ. Sch. Dent. at Matsudo, ² Dept. of Maxillofacial Radiol., Aichi-Gakuin Uni. Sch. Dent.)
O-42	CXCL2 is a regulatory factor for osteoclastic bone resorption synthesized by oral squamous cell carcinoma ○Oue E ^{1,2} , Lee JW ² , Harada K ¹ , Yamaguchi A ^{2,3} (¹ Dept. of Maxillofacial Surgery, Tokyo Med. and Dent. Univ., ² Dept. of Oral Pathology, Tokyo Med. and Dent. Univ., ³ GCOE Program International Research Center for Molecular Sci. in Tooth and Bone Diseases, Tokyo Med. and Dent. Univ.)
O-43	Effects of the rhyolite ceramics radiating the far infrared ray (FIR) energy on the bone forming ability ○Aldartsoq D ¹ , Yamashita K ¹ , Dalkhsuren SH ¹ , Seki S ¹ , Sumida K ¹ , Kitamura S ¹ (¹ Dept. of Oral and Maxillofacial Anatomy, Grad. Sch. of Health BioSci., The Univ. of Tokushima)
O-44	SCF ^{FBW7} modulates NF-κB signaling pathway through NFκB2/p100 ubiquitination and destruction ○Fukushima H ¹ , Osawa K ¹ , Masuda W ¹ , Jimi E ¹ (¹ Div. of Mol. Signal and Biochem, Kyushu. Dent. Coll.)
O-45	DMP1 phosphorylation in vitro mineralization process ○Sato S ¹ , Ishida K ¹ , Usami Y ² , Oya K ¹ , Kishino M ¹ , Ogawa Y ¹ , Toyosawa S ¹ (¹ Dept. of Oral Pathol., Osaka Univ. Grad. Sch. Dent., ² Clinical Lab., Osaka Univ. Hospital)

O-46	Molecular markers for discrimination of transitional cell stages during osteocytogenesis ○Oya K ^{1,2} , Ishida K ³ , Satou S ¹ , Usami U ⁴ , Kishino M ¹ , Ogawa Y ¹ , Toyosawa S ¹ (Dept. of Oral Path., Osaka Univ. Grad. Sch. Dent., ² Div. for Interdiscip. Dent., Osaka Univ. Grad. Sch. Dent., ³ Dept. of Prosth. and Oral Rehabil., Osaka Univ. Grad. Sch. Dent., ⁴ Clinical Labo., Osaka Univ. Dent. Hospital)
O-47	Processing of NF- κ B2 and nuclear localization of RelB are critical for osteoclasts differentiation ○Taniguchi R ¹ , Fukushima H ² , Maki K ¹ , Jimi E ² (Dept. of Growth and Development for Function, Kyushu Dent. Coll., ² Div. of Molecular Signaling and Biochem., Dept. of BioSci., Kyushu Dent. Coll.)
O-48	Analysis of a novel regulatory system of osteoclast formation associated with the interaction of CCN2 and OPG ○Aoyama E ¹ , Kubota S ² , Nishida T ² , Takigawa M ² (BioDent. Research Center, Dent. Sch., Okayama Univ., ² Dept. of Biochem. and Molecular Dent., Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceutical Sci.)
O-49	Effects of CCN2/CTGF defect on energy metabolism in chondrocytes ○Maeda A ^{1,2} , Kubota S ¹ , Hattori T ¹ , Nishida T ¹ , Iida S ² , Takigawa M ¹ (Dept. of Biochem. and Mol. Dent, Okayama Univ. Grad. Sch. of Med, Dent. and Pharm. Sci., ² Dept. of Oral and Maxillofacial Reconstruct. Surg, Okayama Univ. Grad. Sch. of Med, Dent. and Pharm. Sci.)
O-50	Decreased intracellular ATP production causes chondrocyte hypertrophy-like changes in the presence of lactate ○Nishida T ¹ , Kubota S ¹ , Aoyama E ² , Takigawa M ^{1,2} (Dept. of Biochem. Mol. Dent. Okayama Univ. Grad. Sch. Med., Dent. & Pharm. Sci., ² Biodent. Res. Cent., Okayama Univ. Dent. Sch.)
O-51	Sez12 gene, the murine homolog of DGCR2 laid within the deletion of 22q11.2 deletion syndrome, functions in the differentiating cartilage for ossification ○Kajiwara K ¹ (Div. Basic Med. Sci. and Mol. Med., Sch. Med., Tokai Univ.)
O-52	Antimicrobial peptide LL37 promotes bone regeneration in rat calvarial bone defect ○Kittaka M ¹ , Fujita T ¹ , Shiba H ¹ , Kurihara H ¹ (Dept. of Periodont. Med., Hiroshima Univ.)
O-53	Regulation of osteoclast differentiation by galectin-9 ○Narimatsu K ^{1,2} , Li Y ¹ , Kukita A ³ , Qui P ¹ , Watanabe T ¹ , Takahashi I ² , Kukita T ¹ (Dept. of Mol. Cell Biol. & Oral Anat. Fac. Dent. Sci., Kyushu Univ., ² Dept. of Orthodont. Fac. of Dent. Sci., Kyushu Univ., ³ Dept. of Microbiol. Fac. of Med. Kyushu Univ.)
O-54	Arid5b promotes chondrogenesis through linking Sox9 with histone demethylation of target gene promoter ○Hata K ¹ , Nishimura R ¹ (Dept. of Biochem., Osaka Univ. Sch. Dent.)
O-55	Suppressive effect of high molecular weight hyaluronic acid on the regulation of osteoclastogenesis ○Ariyoshi W ¹ , Okinaga T ¹ , Nishihara T ¹ (Div. of Infections and Molecular Biol., Kyushu Dent. Coll.)
O-56	Identification of a new clock-related element EL-box involved in circadian regulation ○Kawamoto T ¹ , Noshiro M ¹ , Fujimoto K ¹ , Kato Y ¹ (Dept. Dent. & Med. Biochem., Hiroshima Univ. Inst. Biomed. & Health Sci.)
O-57	Analysis of BMP-induced intracellular signaling using mutant Smad1/5/8 ○Katagiri T ¹ (Div. of Pathophysiology, Saitama Med. Univ. RCGM)
O-58	Roles of GFP transplanted bone marrow-derived cells in bone healing ○Tsujiwaga H ¹ , Katase N ¹ , Iida S ² , Nagatsuka H ¹ (Dept. of Oral Path. and Med., Grad. Sch. of Med. and Dent., Okayama Univ., ² Dept. of Oral and Maxillofacial Reconstructive Surgery, Grad. Sch. of Med. and Dent., Okayama Univ.)
O-59	Localization and ontogeny of epidermal-type fatty acid-binding protein in septoclasts in mice ○Bando Y ¹ , Sakiyama K ¹ , Takizawa S ¹ , Tokunaga H ¹ , Amano O ¹ (Div. of Anat., Meikai Univ. Sch. Dent.)
O-60	Analgesic effects of non-nitrogen-containing bisphosphonates, independent of anti-resorptive effects on bone ○Okada S ^{1,2} , Kim S ^{1,3} , Seiryu M ^{1,3} , Yamaguchi K ^{1,2} , Takahashi T ² , Yamamoto T ³ , Sugawara S ¹ , Endo Y ¹ (Dept. of Molecular Regulation, Grad. Sch. of Dent., Tohoku Univ., ² Dept. Oral and Maxillofacial surgery, Grad. Sch. of Dent., Tohoku Univ., ³ Dept. of Orthodontic, Grad. Sch. of Dent., Tohoku Univ.)
O-61	FLT-1 represents a potential therapeutic target in human periodontitis ○Ohshima M ¹ , Yamaguchi Y ² , Abiko Y ³ (Dept. Biochem., Ohu Univ. Sch. Pharm. Sci., ² Dept. of Biochem. Nihon Univ. Sch. Dent., ³ Dept. of Biochem., Nihon Univ. Sch. Dent. Matsudo)
O-62	ADAMTSL6beta improves microfibril disorder in a periodontal ligament of Marfan syndrome mouse model ○Saito M ¹ (Fac. of Indu. Sci. and Tech. Tokyo Univ. of Sci.)
O-63	The effects of CCL2 signaling deficiency on alveolar bone resorption induced by hyperocclusion ○Tsumami T ^{1,2} , Kajiya H ¹ , Takahashi Y ² , Okabe K ¹ (Dept. of Physio. Sci. and Molecul. Biol., Fukuoka Dent. Coll., ² Dept. of Oral Rehabil., Fukuoka Dent. Coll.)
O-64	Hypoxia-induced regulation of gap junctional intercellular communication in human periodontal ligament cells ○Kato R ¹ , Ishihara Y ² , Kamioka H ² , Takano-Yamamoto T ¹ , Yamashiro T ² (Div. of Orthod and Dentofacial Orthop., Tohoku Univ. Grad. Sch. Dent., ² Dept. of Orthod., Okayama Univ. Grad. Sch. Med. Dent. Pharm. Sci)
O-65	The role of Axin2 in Dex-induced adipogenesis in a mesenchymal progenitor cell-line, ROB-C26 ○Naito M ¹ , Takahashi T ¹ (Dept. of Anatomy, Nihon Univ. Sch. Dent.)
O-66	PRIP regulates lipolysis and thermogenesis ○Okumura T ¹ , Harada K ¹ , Kamata N ² , Kanematsu T ¹ (Dept. Cell. Mol. Pharmacol., Hiroshima Univ. Grad. Sch. Biomed. Sci., ² Dept. Oral Maxillofac. Surg., Hiroshima Univ., Grad. Sch. Biomed. Sci.)
O-67	Development of inflammation model by painting metal solution ○Takahashi A ^{1,2} , Ono M ¹ , Dobashi A ^{1,3} , Ogasawara K ¹ (Dept. of Immunol., Tohoku Univ. Grad. Sch. Dent., ² Grad. Sch. Dent. Tokyo Med. Dent. Univ., ³ Dept. of Dent. Jichi. Med. Univ.)

O-68	Development of animal model of metal allergy by lymphocytes transplantation ○Dobashi A ^{1,2} , Takahashi A ^{1,3} , Ono M ¹ , Ogasawara K ¹ (¹ Dept. of Immunol., Tohoku Univ. Grad Sch. Dent., ² Dept. of Dent. Jichi. Med. Univ., ³ Grad. Sch. Dent. Tokyo Med. Dent. Univ.)
O-69	Response of immune cells by metal and bacterial components ○Ono M ¹ , Dobashi A ^{1,2} , Takahashi A ^{1,3} , Ogasawara K ¹ (¹ Dept of Immunol., Tohoku Univ. Grad Sch. Dent., ² Dept of Dent. Jichi. Med. Univ., ³ Grad Sch. Dent. Tokyo Med. Dent. Univ.)
O-70	Finding of dressed NK cells ○Ogasawara K ¹ , Ono M ¹ , Dobashi A ^{1,2} , Takahashi A ^{1,3} (¹ Dept. of Immunol, Grad. Sch. Dent., Tohoku Univ., ² Dept of Dent. Jichi. Med. Univ., ³ Grad Sch. Dent. Tokyo Med. Dent. Univ.)
O-71	Antitumor activity of <i>Streptococcus gordonii</i> ○Hara H ¹ , Saeki A ¹ , Hasebe A ¹ , Sibata K ¹ (¹ Div. Oral Mol Microbiol. Oral Pathobiol Sci., Hokkaido Univ. Grad.Sch.Dent.Med)
O-72	LPS-induced chemokine expression is regulated by Cot/Tpl2-ERK axis in macrophages ○Bandow K ¹ , Kusuyama J ¹ , Kakimoto K ¹ , Ohnishi T ¹ , Matsuguchi T ¹ (¹ Dept. of Oral Biochem., Kagoshima Univ, Grad Sch. of Med. and Dent. Sci.)
O-73	The effects of IL-33 in LPS induced periodontal disease mouse model ○Ohno T ¹ , Maekawa S ^{1,2} , Izumi Y ² , Azuma M ¹ (¹ Dept of Molecular Immunol., Tokyo Med. Dent. Univ., ² Dept of Periodontology., Tokyo Med. Dent. Univ.)
O-74	The effects of amphotericin B on IL-6 and IL-8 production by human gingival fibroblasts in response to lipid A ○Tamai R ¹ , Kiyoura Y ¹ (¹ Dept. of Oral Med. Sci., Ohu Univ. Sch. Dent.)
O-75	Effects of antimicrobial peptide CRAMP on TLR ligand-induced osteoclastogenesis in mouse cocultures ○Horibe K ¹ , Nakamichi Y ² , Nakamura M ¹ , Takahashi N ² , Udagawa N ^{1,2} (¹ Dept. of Biochem, Matsumoto Dent. Univ. Sch. Dent., ² Matsumoto Dent. Univ. Inst. Oral Sci.)
O-76	Cytokine-producing capacities and T cell subsets of circulating peripheral blood (PB) from patients with oral squamous cell carcinoma (OSCC) ○Naganawa K ¹ , Takayama E ² , Adachi M ³ , Iida M ³ , Motohashi M ¹ , Mitsudo K ³ , Muramatsu Y ¹ , Shikimori M ¹ , Tohnai I ³ , Kondo N ² (¹ Dept. Oral Maxillofacial Surg., Asahi Univ. Sch. Dent., ² Dept. Oral Biochem., Asahi Univ. Sch. Dent., ³ Dept. Oral Maxillofacial Surg, Yokohama City Univ., Grad. Sch. Med.)
O-77	Effects of low-intensity pulsed ultra sound (LIPUS) on inflammatory gene expressions ○Matsuguchi T ¹ , Kusuyama J ¹ , Bandow K ¹ , Kakimoto K ¹ , Ohnishi T ¹ (¹ Dept. of Oral Biochem. Kagoshima Univ.)
O-78	Expression of chemokine CXCL14/BRAK suppresses tumor cell metastasis ○Hata R ¹ , Izukuri K ² , Kato Y ³ (¹ Oral Health Sci. Res. Ctr., Kanagawa Dent. Coll., ² Dept. Biochem. Mol. Biol., Kanagawa Dent. Col., ³ Dept. Oral Func. Mol. Biol., Ohu Univ. Sch. Dent.)
O-79	GlmS and NagB regulate sugar metabolism in opposing directions and affect <i>Streptococcus mutans</i> virulence ○Kawada-Matsuo M ¹ , Oho T ² , Komatsuzawa H ¹ (¹ Dept. of Oral Microbiol., Kagoshima Univ. Grad. Sch. of Med. and Dent., ² Dept. of Prev. Dent., Kagoshima Univ. Grad. Sch. of Med. and Dent.)
O-80	Genetic analysis of <i>Streptococcus intermedius</i> isolated from an apical abscess lesion ○Yamane K ¹ , Nambu T ¹ , Mashimo C ¹ , Yamanaka T ¹ , Fukushima H ¹ (¹ Dept. of Bacteriology, Osaka Dent. Univ.)
O-81	Role of <i>Streptococcus mutans</i> oxygen tolerance protein against early colonizer bacteria ○Yasunaga A ¹ , Yoshida A ¹ , Nishihara T ² , Ansai T ¹ (¹ Div. of Commun. Oral Health Sci., Kyushu Dent. Coll., ² Div. of Infections and Molecular Biol., Dept. of Health Promotion, Kyushu Dent. Coll.)
O-82	Expression of interleukin-33 induced by gingipains from <i>Porphyromonas gingivalis</i> in human gingival epithelial cells ○Tada H ¹ , Shimauchi H ² , Matsushita K ¹ (¹ Dept. Oral Disease Res., National Center for Geriatrics and Gerontology, ² Dept. Periodontol. Endodontol., Tohoku Univ. Grad. Sch. Dent.)
O-83	Intraspecific diversity of <i>Porphyromonas gingivalis</i> generated by its mobile elements ○Watanabe T ¹ , Nozawa T ¹ , Aikawa C ¹ , Endo A ² , Maruyama F ¹ , Nakagawa I ¹ (¹ Sec. of Bac. Pathog., Tokyo Med. and Dent. Univ., ² Sec. of Periodontol., Tokyo Med. and Dent. Univ.)
O-84	Analysis of PGN ₁₄₁₆ protease secreted by <i>Porphyromonas gingivalis</i> Por secretion system ○Nonaka M ¹ , Shoji M ¹ , Yukitake H ¹ , Kadowaki T ¹ , Sato K ¹ , Naito M ¹ , Nakayama K ¹ (¹ Dept. of Mol. Microbiol. Immunol., Nagasaki Univ.)
O-85	Microbial interaction of periodontopathic bacteria and Epstein-Barr virus and their implication of periodontal diseases ○Imai K ¹ , Ochiai K ¹ (¹ Dept. of Microbio., Nihon Univ. Sch. Dent.)
O-86	Classification of the S46(DPP7/DPP11) family members and identification of a subtype of DPP11 ○Nemoto T ¹ , Rouf SA ¹ , Ono T ¹ , Shimoyama Y ² , Kimura S ² , Ohara-Nemoto Y ¹ (¹ Dept. of Oral Mol. Biol., Nagasaki Univ. Grad. Sch. of Biomed. Sci., ² Div. of Mol. Microbiol., Iwate Med. Univ.)
O-87	Biofilm formation and fixed quantity of <i>Streptococcus-Veillonella</i> spp. by using wire method ○Mashima I ¹ , Kamaguchi A ¹ , Miyakawa H ¹ , Fujita M ¹ , Nakazawa F ¹ (¹ Dept. of Oral Microbiol. Sch. of Dent. Heal. Sci. Univ. Hokkaido)
O-88	Periodontopathic bacteria induce pyroptosis in macrophages ○Okinaga T ¹ , Ariyoshi W ¹ , Nishihara T ¹ (¹ Div. of Infect. Mol. Biol., Kyushu Dent. Coll.)
O-89	Survival strategy revealed by comparative genomic analysis of <i>Tannerella forsythia</i> ○Endo A ¹ , Watanabe T ² , Hosomi S ² , Nozawa T ² , Aikawa C ² , Arakawa S ¹ , Umeda M ³ , Maruyama F ² , Izumi Y ¹ , Nakagawa I ² (¹ Sec. of Periodontol., Tokyo Med. and Dent. Univ., ² Sec. of Bac. Pathog., Tokyo Med. and Dent. Univ., ³ Sec. of Periodontol., Osaka Dent. Univ.)

O-90	Study on nerve cells differentiation instruction of NAD analog which discovered in yeast <i>Candida</i> ○Kaminishi H ¹ , Cho T ¹ , Imayosi R ¹ , Nagao J ¹ (¹ Dept. of Infectionbiology, Fukuoka Dent. Coll.)
O-91	Migrating tongue myogenic precursor cells govern the guidance of hypoglossal nerve in mouse branchial arches ○Taya Y ¹ , Shimazu Y ¹ , Sato K ¹ , Fujita K ¹ , Soeno Y ¹ , Aoba T ¹ (¹ Dept. of Pathol., Nippon Dent. Univ.)
O-92	Effects of p53-reactivating compounds Nutlin-3 and RITA on p53 resistance in tumor cells deficient for p53Ser46 phosphorylation ○Ikeda MA ¹ (¹ Sec. of Mol. Embryol., Grad. Sch. Dent. Med., Tokyo Med. Dent. Univ.)
O-93	Expression of tenomodulin mRNA in mouse masseter muscle during development ○Sato I ¹ , Miwa Y ¹ , Zaizen T ¹ , Sunohara M ¹ (¹ Dept. of Anat., Nippon Dent. Univ. Sch. Life Dent. at Tokyo)

■ Poster Presentation

P1-1	Inhibitory effects of natural plant components on oral microorganisms ○Matsuike R ¹ , Tamura M ^{2,3} , Ochiai K ^{2,3} (Nihon Univ. Sch. Dent., ² Dept. of Microbiol., Nihon Univ. Sch. Dent., ³ Div. of Immunol. Pathobiol., Dent. Res. Cent., Nihon Univ. Sch. Dent.)
P1-2	Degeneration of skeletal muscles and motoneurons in Dmu mice ○Fujita M ¹ , Sato T ¹ , Kano M ¹ , Shimizu Y ² , Kanetaka H ³ , Suzuki T ¹ , Ichikawa H ¹ (Div. of Oral and Craniofacial Anatomy, Sch. Dent., Tohoku Univ., ² Div. of Oral Pathology, Sch. Dent., Tohoku Univ., ³ Liaison Center for Innovative Dent., Sch. Dent., Tohoku Univ.)
P1-3	Hemokinin 1 competitively inhibits osteoblast bone formation activated by substance P ○Kobayakawa M ¹ , Makizumi Y ¹ , Kobayashi S ² , Goto T ² (Kyushu Dent. Coll., ² Div. of Anatomy, Kyushu Dent. Coll.)
P1-4	Brittle cortical bone derived from inactivity was prevented by administration of Vit. K ₂ during inactivity followed by risedronate after regaining activity ○Funayama Y ¹ , Tanaka T ² , Teranaka T ² , Takagaki Y ¹ (Dept. of Functional Biol., Kanagawa Dent. Coll., ² Dept. of Oral Med. Kanagawa Dent. Coll.)
P1-5	Vacuolar H ⁺ -ATPase Inhibitor, concanamycin A lowers cell proliferation and induces apoptosis in oral squamous cell carcinoma cells ○Yoshida H ¹ , Kiyoshima T ¹ , Nagata K ¹ , Wada H ¹ , Fujiwara H ¹ , Sakai H ¹ (Lab. of Oral Pathol., Fac. of Dent. Sci., Kyushu Univ.)
P1-6	Roles of glycosphingolipids during tooth development ○Chiba Y ¹ , Nakamura T ¹ , Naruse M ¹ , Ikeuchi T ¹ , Aragaki M ¹ , Fukumoto S ¹ (Div. of Pediatric Dent., Tohoku Univ. Grad. Sch. of Dent.)
P1-7	The novel regulation and role of DNA replication inhibitor Geminin during mitosis ○Tsunematsu T ¹ , Kudo Y ² , Takata TA ¹ (Dept. of Oral Maxillofacial Pathobiol., Hiroshima Univ. Grad. Sch. Biomed., ² Dept. of Oral Mol. Pathol., Tokushima Univ. Grad. Sch. Health BioSci.)
P1-8	Effects of intra-gingival injection of <i>Porphyromonas gingivalis</i> lipopolysaccharide on the gingival extracellular IL-6 and TNF- α levels of anaesthetised rats ○Aono Y ¹ , Saigusa T ¹ , Taguchi H ² , Asano M ³ , Koshikawa N ¹ (Dept. of Pharmacol., Nihon Univ. Sch. Dent., ² Dept. of Orthodont., Nihon Univ. Sch. Dent., ³ Dept. of Pathol., Nihon Univ. Sch. Dent.)
P1-9	Oral carcinoma cells modify the keratin expression and proliferation ○Kawamoto Y ¹ , Ohyama Y ¹ , Chiba T ² , Sakashita H ¹ , Imai K ² (Dept. of Oral Maxillofac. Surg., Meikai Univ., Sch. Dent., ² Dept. of Biochem., Nippon Dent. Univ., Sch. Life Dent. at Tokyo)
P1-10	Gene expression profile analysis of keratinocyte in response to overexpression of beta defensin-2 ○Yamazaki M ¹ , Nishimura M ¹ , Sato J ¹ , Satoh H ¹ , Takai R ¹ , Bhawal UK ² , Saitoh M ³ , Abiko Y ² , Abiko Y ¹ (Dev. of Oral Med. and Pathol., Health Sci. Univ. Hokkaido Sch. Dent., ² Dept. of Biochem. and Mol. Bio., Nihon Univ. Sch. Dent. at Matsudo, ³ Div. of Oral Grow. and Dev., Health Sci. Univ. Hokkaido Sch. Dent.)
P1-11	Epigenetic modification in E-cadherin and COX-2 in radicular cysts ○Satoh H ¹ , Yamazaki M ¹ , Takai R ¹ , Sato J ¹ , Nishimura M ¹ , Saitoh M ² , Arakawa T ³ , Takuma T ³ , Abiko Y ¹ (Dept. of Oral Med. and Pathol., Health Sci. Univ. Hokkaido Sch. Dent., ² Div. of Pedi. Dept. of Oral Grow. and Dev., Health Sci. Univ. Hokkaido Sch. Dent., ³ Dept. of Oral Biochem., Health Sci. Univ. Hokkaido. Sch. Dent.)
P1-12	Is CCN3 an inhibitory factor in bone regeneration? ○Matsushita Y ^{1,2,3} , Sakamoto K ¹ , Katsube K ¹ , Harada K ² , Yamaguchi A ^{1,3} (Dept. of Oral Pathology, Tokyo Med. Dent. Univ., ² Dept. of Maxillofacial Surgery, Tokyo Med. Dent. Univ., ³ GCOE Program, TMDU)
P1-13	Roles of IL-1 in prolonged mouse masseter muscle activity ○Chiba K ¹ , Tsuchiya M ¹ , Yoneda H ² , Sugawara S ³ , Endo Y ³ (Div. Aging Geriatr. Dent., Tohoku Univ. Sch. Dent., ² Div. of Adv. Prosth. Dent., Tohoku Univ. Sch. Dent., ³ Div. of Oral Mol. Regul., Tohoku Univ. Sch. Dent.)
P1-14	Involvement of histamine in mouse metal-allergy ○Kinbara M ^{1,2,3} , Kuroishi T ¹ , Takano-Yamamoto T ² , Sugawara S ¹ , Endo Y ¹ (Dept. of Molecular Regulation, Tohoku Univ. Grad. Sch. of Dent., ² Dept. of Orthodontics and Dentofacial Orthopedics, Tohoku Univ. Grad. Sch. of Dent., ³ Liaison Center for Innovative Dent., Tohoku Univ. Grad. Sch. of Dent.)
P1-15	Allergy induced in mice by the antipolymerizing agent hydroquinone ○Bando K ^{1,2} , Tanaka Y ^{2,3} , Yamamoto T ¹ , Sugawara S ² , Endo Y ² (Div. Orthod. Dentofacial Orthopedics, Grad. Sch. Dent., Tohoku Univ., ² Div. of Oral Immu., Grad. Sch. Dent., Tohoku Univ., ³ Liaison Cent. for Inno. Dent., Grad. Sch. Dent., Tohoku Univ.)
P1-16	Histamine reduces susceptibility to NK cells via down-regulation of NKG2D ligands on human monocytic leukemia THP-1 cells ○Tanaka Y ^{1,2} , Kuroishi T ¹ , Endo Y ¹ , Sugawara S ¹ (Div. of Oral Immunol., Tohoku Univ. Grad. Sch. Dent., ² Liaison Center for Innovative Dent., Tohoku Univ. Grad. Sch. Dent.)
P1-17	Analysis of disturbed roots, Hertwig's epithelial root sheath cells and surrounding mesenchymal cells after the irradiation of head in mice ○Ide Y ^{1,2} , Nakahara T ^{1,2} , Nasu M ³ , Tominaga N ^{1,2} , Tamaki Y ^{1,2} , Ishikawa H ² (Dept. of Dev. & Reg., Sch. of Life Dent. at Tokyo, The Nippon Dent. Univ., ² Dept. of Dev. & Reg., Sch. of Life Dent. at Tokyo, The Nippon Dent. Univ., ³ Dept. of Dev. & Reg., Sch. of Life Dent. at Tokyo, The Nippon Dent. Univ.)
P1-18	Localization of V-ATPase in salivary glands of mouse ○Horie S ^{1,2} , Ohmiya A ^{2,3} , Odashima Y ^{2,3} , Nakanishi-Matsui M ³ , Sahara Y ² (Dept. of Tumor. Biol., Inst. of Biomed. Sci., Iwate Med. Univ., ² Dept. of Physiol., Iwate Med. Univ. Sch. Dent., ³ Dept. of Biochem., Iwate Med. Univ.)
P1-19	Distribution of TRPM8 in the rat soft plate, epiglottis and pharynx ○Sato T ¹ , Fujita M ¹ , Kano M ¹ , Suzuki T ¹ , Ichikawa H ¹ (Div. of Oral and Craniofacial Anatomy, Sch. Dent., Tohoku Univ.)
P1-20	Alteration of peripheral neuronal system in phenytoin-induced gingival hyperplasia ○Matsuda Y ¹ , Ueda K ¹ , Iwai Y ¹ (Dept. Oral Anat., Osaka Dent. Univ.)

P1-21	A role of the IRF4 in osteoclast differentiation stimulated by RANKL ○Nakashima Y ¹ , Morimoto H ² , Haneji T ¹ (¹ Dept. Hist. and Oral Hist., inst. HBS, Univ. Tokushima, ² Dept. of Anatomy, Sch. Med., Univ. Occupational and Environmental Health)
P1-22	Suppression of the nociceptive jaw opening reflex by stimulation of the red nucleus ○Yajima E ¹ , Satoh Y ² , Ishizuka K ² , Iwasaki S ² , Terada K ¹ (¹ Dept. of Orthodontics., The Nippon Dent. Univ. Sch. Life Dent. at Niigata, ² Dept. of Physiol., The Nippon Dent. Univ. Sch. Life Dent. at Niigata)
P1-23	Effect of electrical stimulation of cortical masticatory areas to SLN- and cortically- evoked swallows in rats ○Tsumimura T ¹ , Tsuji K ¹ , Iwata K ² , Inoue M ¹ (¹ Div. of Dysphagia Rehabil., Niigata Univ. Grad. Sch. of Med. and Dent. Sci., ² Dept. of Physiol., Nihon Univ. Sch. of Dent.)
P1-24	Response property of superior laryngeal nerve-evoked swallows in rats ○Tsuji K ¹ , Tsumimura T ¹ , Inoue M ¹ (¹ Div. of Dysphagia Rehabil., Niigata Univ. Grad. Sch. of Med. and Dent. Sci.)
P1-25	Decrease of salivary secretion induced periodontitis ○Kiyama M ^{1,2} , Ono K ² , Hitomi S ² , Matuo K ² , Inenaga K ² (¹ Dept. Cariol. Periodontol., Kyushu Dent. Coll., ² Dept. Biosci., Kyushu Dent. Coll., ³ Dept. Oral Pathology., Kyushu Dent. Coll.)
P1-26	Chewing ameliorates stress-induced arrhythmias ○Koizumi S ¹ , Miyake S ¹ , Yamada K ² , Sasaguri K ¹ (¹ Dept. Ortho. Kanagawa Dent. Coll., ² Dept. Physiol & Neurosci. Kanagawa Dent. Coll.)
P1-27	The Relationship between cortically induced rhythmical jaw movements and salivary secretion in rats ○Maeda N ¹ , Kodama N ² , Mikamo S ² , Mitoh Y ¹ , Kobashi M ¹ , Minagi S ² , Matsuo R ¹ (¹ Dept. of Oral Physiology, Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceutical Sci., ² Dept. of Occlusal and Oral Functional Rehabilitation, Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceutical Sci.)
P1-28	Some of hypoglossal motoneurons can generate the rhythmic activity during NMDA administration in newborn rats ○Sakuma H ¹ , Katakura N ² , Hiraba K ² (¹ Dept. of Maxillofacial Surg., Aichi-Gakuin Univ. Sch. Dent., ² Dept. of Physiol. Sch Dent., Aichi-Gakuin Univ.)
P1-29	Soft-diet feeding may increase the risk of mental disorders after weaning ○Nose K ¹ , Watahiki J ¹ , Yamamoto G ² , Ichikawa Y ¹ , Maekawa M ³ , Enomoto A ¹ , Nampo T ¹ , Mishima K ² , Yoshikawa T ³ , Maki K ¹ (¹ Dept. of Ortho., Showa Univ., Sch. Dent., ² Dept. of Oral Patho. and Diag., Showa Univ. Sch. Dent., ³ Labo. for Molecular Psychiatry, RIKEN BSI)
P1-30	Development of mechanical and gustatory allodynia in oral mucositis model rats ○Hitomi S ¹ , Ono K ¹ , Inenaga K ¹ (¹ Dept. of Biosci., Kyushu Dent. Coll.)
P1-31	The effect of treadmill running on retention of conditioned taste aversion in rats ○Tsuboi H ¹ , Hirai Y ¹ , Inoue N ² , Funahashi M ¹ (¹ Dept. of Oral Phys, Hokkaido Univ. Grad. Sch. Dent., ² Dept. of Gerodon, Hokkaido Univ. Grad. Sch. Dent.)
P1-32	Oral epithelial cells sense ambient temperature and promote wound repair via TRPV3 ○Aijima R ¹ , Wang B ¹ , Hatakeyama J ¹ , Ohsaki Y ¹ , Zhang J ¹ , Kido M ¹ (¹ Dept. of Molecular Cell Biol. and Oral Anatomy, Grad. Sch. Dent. Sci., Kyushu Univ., ² Dept. of Oral and Maxillo., Saga Med. Sch., ³ Div. of Hist. and Neuroana., Saga Med. Sch.)
P1-33	Changes of occlusal vertical dimension and jaw-movement during chewing in bite-reduced guinea pigs ○Matoba H ¹ , Kanayama H ¹ , Yamada K ¹ , Masuda Y ² (¹ Dept. of Orthodont., Matsumoto Dent. Univ., ² Dept. Oral & Maxillofacial Biol., Grad. Sch. of Oral Med., Matsumoto Dent. Univ.)
P1-34	Convergent inputs from premotor neurons to single trigeminal motoneurons ○Nonaka M ¹ , Matsuda K ^{2,3} , Nakamura S ² , Nakayama K ² , Mochizuki A ² , Yokoyama A ³ , Iijima T ¹ , Inoue T ² (¹ Dept. of Oral Anesthesia, Showa Univ. Sch. Dent., ² Dept. of Oral Physiol., Showa Univ. Sch. Dent., ³ Dept. of Oral Funct. Pros., Div. of Oral Funct. Sci., Grad. Sch. of Dent. Med., Hokkaido Univ.)
P1-35	Circadian oscillation in mouse submandibular gland <i>in vitro</i> ○Uchida H ^{1,2} , Sakai T ² , Nakamura W ¹ (¹ Lab. of Oral Chronobiology, Grad. Sch. of Dent. Osaka Univ., ² Dept. of Oral-Facial Disorders, Grad. Sch. of Dent. Osaka Univ.)
P1-36	Relationship between suppression of food intake and neural activity on area postrema by L-histidine intraperitoneal administration ○Okusya Y ¹ , Hirai Y ¹ , Funahashi M ¹ (¹ Dept. of Oral Physiol., Hokkaido Univ. Grad. Sch. Dent., ² Dept. of Gerodontol., Hokkaido Univ. Grad. Sch. Dent.)
P1-37	Vagal afferent fibers conduct anginal pain to the trigeminal sensory nucleus ○Hayashi B ¹ , Maeda M ¹ , Tamaki J ¹ , Tsuruoka M ¹ , Inoue T ¹ (¹ Dept. of physiol., Showa Univ. Sch. of Dent.)
P1-38	Interleukin-6 maintains glucose homeostasis to support strenuous masseter muscle activity in mice ○Kiyama T ^{1,2} , Tsuchiya M ³ , Sasaki K ² , Sugawara S ¹ , Endo Y ¹ (¹ Dept. of Oral Immu. Tohoku Univ. Sch. Dent., ² Dept. of Adv Pros Dent. Tohoku Univ. Sch. Dent., ³ Dept. of Aging and Geriatric Dent. Tohoku Univ. Sch. Dent.)
P1-39	Increasing of the occlusal vertical dimension amplifies dynorphin A levels in the mouse amygdala and impairs learning and memory ○Yamada K ¹ , Koizumi S ² , Yamamoto T ³ (¹ Dept. of Neurosci. and Physiology, Kanagawa Dent. Coll., ² Dept. of Orth., Kanagawa Dent. Coll., ³ Dept. of Biol., Kanagawa Dent. Coll.)
P1-40	Biofilm formation and fixed quantity of <i>Streptococcus-Veillonella</i> spp. by using wire method ○Mashima I ¹ , Kamaguchi A ¹ , Miyakawa H ¹ , Fujita M ¹ , Nakazawa F ¹ (¹ Dept. of Oral Microbiol. Sch. of Dent. Health Sci. Univ. Hokkaido)
P1-41	Participation on quorum sensing on coaggregation of <i>Fusobacterium nucleatum</i> and <i>Streptococcus mutans</i> ○Ryu Y ¹ , Mikami M ² , Katsuragi H ² , Shimomura-Kuroki J ¹ (¹ Dept. of Pediatric Dent., Nippon Dent. Univ. Sch. Life. Dent. at Niigata, ² Dept. of Microbiol., Nippon Dent. Univ. Sch. Life. Dent. at Niigata)
P1-42	Effect of cyclic-di-GMP on biofilms formed by oral bacteria ○Konno H ¹ , Yoshida Y ² , Nakamura Y ¹ , Tanaka Y ¹ , Yoshimura F ² (¹ Dept. of Rem. Pro., Aichi-Gakuin Univ. Sch. Dent., ² Dept. of Mic. Aichi-Gakuin Univ. Sch. Dent.)

P1-43	Antibacterial effect of herbal medicines against periodontopathic and cariogenic bacteria ○Takeda O ¹ , Sato T ² , Watanabe K ² , Sasaguri K ¹ , Hamada N ² (¹ Dept. of Cranio. Growth and Dev. Div. of Orthod., Kanagawa Dent. Coll., ² Dept. of Infect. Cont., Kanagawa Dent. Coll.)
P1-44	Micromolar fluoride reduces alveolar bone loss in experimental rat periodontitis ○He DW ¹ , Bhawal UK ^{1,2} , Sato T ³ , Toyama T ³ , Kawamata R ¹ , Arakawa Y ¹ , Abiko Y ² , Hamada N ³ , Arakawa H ¹ (¹ Dept. of Health Sci., Kanagawa Dent. Coll., ² Dept. of Biochem. and Molecular Biol., Nihon Uni. Sch. of Dent. at Matsudo, ³ Dept. of Infection Control, Kanagawa Dent. Coll., ⁴ Dept. of Diagnostic Sci, Kanagawa Dent. Coll.)
P1-45	Effects of polyamines on single species biofilms of <i>Porphyromonas gingivalis</i> and <i>Streptococcus gordonii</i> ○Alghamdi S ¹ , Kuboniwa M ¹ , Hashino E ¹ , Tomio A ² , Bamba T ² , Fukusaki E ² , Amano A ¹ (¹ Dept. of Prevent. Dent., Osaka Univ. Dent., ² Dept. of Biotech., Osaka Univ. Grad. Sch. Eng.)
P1-46	The mechanism of hemolysis with hemolysin from <i>Prevotella oris</i> ○Sato T ¹ , Kamaguchi A ¹ , Fujita M ¹ , Miyakawa H ¹ , Nakazawa F ¹ (¹ Dept. Oral Microbiol., Sch. Dent., Health Sci. Univ. Hokkaido)
P1-47	Identification of phosphoproteins from <i>Porphyromonas gingivalis</i> ○Ikai R ¹ , Izumigawa M ¹ , Hasegawa Y ² , Kawabata A ¹ , Kitai N ¹ , Murakami Y ² (¹ Dept. of Orthod., Asahi Univ. Sch. Dent., ² Dept. of Oral Microbiol., Asahi Univ. Sch. Dent.)
P1-48	The small GTPases Rab9A and Rab23 function at distinct steps in autophagy during Group A Streptococcus infection ○Nozawa T ¹ , Aikawa C ¹ , Watanabe T ¹ , Maruyama F ¹ , Nakagawa I ¹ (¹ Dept. of Med. and Dent., Tokyo Med. and Dent. Univ.)
P1-49	Immunohistochemical investigation of osteocytes around dental implants ○Haga-Tsujimura M ¹ , Amizuka N ² , Maeda T ³ , Yoshie S ¹ (¹ Dept. of Histo., The Nippon Dent. Univ. Sch. of Life Dent. at Niigata, ² Dept. of Development Biol. of Hard Tissue, Grad. Sch. of Dent. Med., Hokkaido Univ., ³ Div. of Oral Anato., Niigata Univ. Grad. Sch. of Med. and Dent. Sci.)
P1-50	Investigation of calcification in the bone matrix during rat calvarial bone defect repair ○Okata H ^{1,2} , Nakamura M ² , Henmi A ² , Shimauchi H ¹ , Sasano Y ² (¹ Div. Periodontology and Endodontology, Tohoku Univ. Grad. Sch. Dent., ² Div. Craniofacial Development and Regeneration, Tohoku Univ. Grad. Sch. Dent.)
P1-51	The effects of platelet derived growth factor-BB in the proliferation and differentiation of C2C12 myogenic cell line and mouse tongue striated muscle ○Chikenji A ¹ , Yamane A ² , Ando H ² , Gomi K ¹ (¹ Dept. of Periodontics, Tsurumi Univ. Sch. Dent. Med., ² Dept. of Biophysics, Tsurumi Univ. Sch. Dent.)
P1-52	Different content of OCP in OCP/Col affects bone regenerative property in critical-sized adult dog calvarial defects ○Kobayashi K ^{1,2} , Matsui K ¹ , Kawai T ¹ , Edamatsu H ¹ , Kanda N ^{1,2} , Suzuki O ² , Kamakura S ³ , Echigo S ¹ , Takahashi T ¹ (¹ Div. of Oral and Maxi.Fac. Surgery, Tohoku Univ. Sch. Dent., ² Craniofacial Function Eng., Tohoku Univ. Grad. Sch. of Dent., ³ Div. of Bone Regene. Eng., Tohoku Univ. Grad. Sch. of Biomed. Eng.)
P1-53	Analysis of tooth eruption through octacalcium phosphate collagen composites (OCP/Col) in the dog ○Kanda N ^{1,2} , Matsui K ¹ , Kawai T ¹ , Edamatsu H ¹ , Kobayashi K ^{1,2} , Suzuki O ² , Kamakura S ³ , Echigo S ¹ , Takahashi T ¹ (¹ Div. of Oral and Maxi.Fac.Surgery, Tohoku Univ.Sch.Dent., ² Craniofacial Function Eng., Tohoku Univ.Grad.Sch.of Dent., ³ Div. of Bone Regene. Eng., Tohoku Univ.Grad.Sch. of Biomed.Eng.)
P1-54	Oxytalan fibers being arranged at right angles to human periodontal ligament cells axis ○Nakashima K ¹ , Yamauchi Y ¹ , Fujita T ¹ , Tsuruga E ² , Sawa Y ² , Ishikawa H ¹ (¹ Sec. of Orthodontics, Dept. of Oral Growth & Development, Fukuoka Dent. Coll., ² Sec. of Functional Structure, Dept. of Morphological Biol., Fukuoka Dent. Coll.)
P1-55	Basic research of biomedical β type Ti-29Nb-13Ta-4.6Zr alloy ○Edamatsu H ¹ , Kamakura S ² , Kanda N ¹ , Kobayashi K ¹ , Matsui K ¹ , Echigo S ¹ , Takahashi T ¹ (¹ Div. of Oral and Maxi. Fac. Surgery, Tohoku Univ. Sch. Dent., ² Div. of Bone Regene. Eng., Tohoku Univ. Grad. Sch. of Biomed. Eng.)
P1-56	Bone regeneration using stem cells from long-term cryopreserved dental pulp tissues of exfoliated deciduous teeth ○Ma L ¹ , Yamaza T ² , Makino Y ^{2,3} , Yamaza H ¹ , Hoshino Y ¹ , Masuda KF ⁴ , Kukita T ² , Nonaka K ¹ (¹ Dept. of Pedodontics, Kyushu Univ. Grad. Sch. Dent., ² Dept. of Mol. Cell Biol & Oral Anat., Kyushu Univ. Grad. Sch. Dent., ³ Dept. of Fixed Prothod., Kyushu Univ. Grad. Sch. Dent., ⁴ Dept. of General Oral Care Kyushu Univ. Hosp.)
P1-57	Analysis of periapical alveolar bone resorption after the removal of interdental wire ligation ○Kubono Y ^{1,2} , Mayahara M ³ , Otsuka H ² , Kataoka R ³ , Inoue M ¹ , Nakamura M ² (¹ Dept. of Ped. Dent., Showa Univ. Sch. Dent., ² Dept. of Oral Anat. & Dev. Biol., Showa Univ. Sch. Dent., ³ Dept. of Dent. Edu., Showa Univ. Sch. Dent.)
P1-58	Study on the effect of phytic acid to the deposits on tooth surface ○Nakauchi G ¹ , Tsutsui S ¹ , Eshita Y ¹ (¹ Kao Corp. Personal Health Care)
P1-59	Runx signaling maintains epithelial stem/progenitor cells of the salivary gland ○Yanagita T ¹ , Yamashiro T ² (¹ Dept. of Orthodontics, Okayama Univ. Hosp., ² Dept. of Orthodontics, Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceutical Sci.)
P1-60	Prospectively isolated dental pulp stem cells have different stem cell characteristics as compared to bone marrow-derived mesenchymal stem cells ○Nakatsuka R ¹ , Uemura Y ² , Sonoda Y ¹ (¹ Dept. of Stem Cell Biol. and Regen. Med., Kansai Med. Univ., ² Div. of Immunol., Aichi Cancer Center)
P1-61	A specific role of <i>Msx2</i> during amelogenesis of the incisor in mice ○Nakatomi M ¹ , Ida-Yonemochi H ¹ , Ohshima H ¹ (¹ Div. of Anat. and Cell Biol. of the Hard Tissue, Niigata Univ. Sch. of Med. and Dent. Sci.)
P1-62	Increasing spatiotemporal participation of Sclerostin in postnatal bone development, revealed by three-dimensional immunofluorescence morphometry ○Watanabe T ¹ , Yamaguchi A ^{1,2} , Iimura T ^{1,2} (¹ Sec. of Oral Pathol., Tokyo Med. and Dent. Univ., ² Tokyo Med. and Dent. Univ. Global COE, ³ Sec. of Maxillofacial Surgery, Tokyo Med. and Dent. Univ.)

P1-63	Effect of beta-Xyloside on condylar cartilage formation ○Fukuoka H ^{1,2} , Moriyama K ^{1,2} , Shibata S ³ (¹ Sec. of Maxillofacial Orthognathics, Grad. Sch., Tokyo Med. Dent. Univ., ² Global Center of Excellence (GCOE) program, International Research Center for Molecular Sci. in Tooth and Born Diseases, Japan, ³ Sec. of Maxillofacial Anatomy, Grad. Sch., Tokyo Med. Dent. Univ.)
P1-64	Scanning electron microscopic studies of oxytalan fibers ○Yamazaki Y ¹ , Yuguchi M ^{1,2} , Isokawa K ^{1,2} (¹ Dept. of Anat., Nihon Univ. Sch. of Dent., ² Div. of Func. Morpho., Dent. Res. Cent., Nihon Univ. Sch. of Dent.)
P1-65	The role of chromogranin A in inflammation-induced chronic pain ○Sun Li ¹ , Wu Z ¹ , Hayashi Y ¹ , Nakanishi H ¹ (¹ Dept.of Aging Sci. and Phmarcol. Kyushu Univ. Fac.Dent. Sci.)
P1-66	TLR3 Ligands induce enhanced apoptosis on metastatic head and neck squamous carcinoma cells ○Umemura N ¹ , Sakagami H ¹ (¹ Dept. Diagnostic & Therapeutic Sci., Meikai Univ. Sch of Dent.)
P1-67	Noradrenaline stimulates cell proliferation by suppressing potassium channels via Gi/o-protein-coupled alpha1B adrenergic receptor in human osteoblast ○Kodama D ¹ , Togari A ¹ (¹ Dept. Pharmacol., Aichi-Gakuin Univ. Sch. Dent.)
P1-68	Epithelial TGFβ1 and integrin αv regulate transformation of fibroblast in a rat skin three-dimensional model ○Hata S ¹ , Okamura K ² , Ishikawa H ¹ , Yamazaki J ³ (¹ Dept. Oral Growth & Develop., Fukuoka Dent. Coll., ² Dept. Morphol. Biol., Fukuoka Dent. Coll., ³ Dept. Physiol. Sci. & Mol. Biol., Fukuoka Dent. Coll.)
P1-69	Leptin modulates synaptic transmission via PI3K or JAK2/STAT3 pathways in the insular cortex ○Takei H ^{1,2} , Kobayashi M ¹ , Koshikawa N ¹ (¹ Dept. Pharmacol., Nihon Univ. Sch. Dent., ² Dept. of Pediatric Dent., Nihon Univ. Sch. Dent.)
P1-70	Gene expression of the chloride channel accessory protein in keratinocytes ○Hiromatsu R ¹ , Hatta M ² , Sakagami R ¹ , Yamazaki J ² (¹ Dept. Odontol.,Fukuoka. Dent. Coll., ² Dept. Physiol. Sci. & Mol. Biol., Fukuoka Dent. Coll.)
P1-71	COX-2 selective inhibitor inhibits osteoclast differentiation ○Ryu K ¹ , Amano H ² , Yamada S ² (¹ Dept. of Pharmacol., Showa Univ. Sch. Med., ² Dept. of Pharmacology, Showa Univ. Sch. Dent.)
P1-72	ROCK specific inhibitor Fasudil suppresses tumor growth in vivo by stimulating BRAK/CXCL14 secretion ○Miyamoto C ¹ , Maehata Y ¹ , Takahashi S ¹ , Yoshino F ¹ , Yoshida A ¹ , Tokutomi F ¹ , Takahashi S ¹ , Hata R ² , Lee M ¹ (¹ Div. of Pharmacol., Kanagawa Dent. Coll., ² HRC Kanagawa Dent. Coll.)
P1-73	Development of the novel IP ₃ sensor with the fluorescent IP ₃ receptor ligands; Changes in fluorescence upon the binding of the ligand and the binding domain ○Murata K ¹ , Morita T ² , Nezu A ² , Saito M ¹ , Tanimura A ² (¹ Dept. of Pediatric Dent., Sch. of Dent., Health Sci. Univ. of Hokkaido, ² Dept. of Pharmacology, Sch. of Dent., Health Sci. Univ. of Hokkaido)
P1-74	PRIP regulates lipolysis and thermogenesis ○Okumura T ¹ , Harada K ¹ , Kamata N ² , Kanematsu T ¹ (¹ Dept. Cell. Mol. Pharmacol., Hiroshima Univ. Grad. Sch. Biomed. Sci., ² Dept. Oral Maxillofac. Surg., Hiroshima Univ., Grad. Sch. Biomed. Sci.)
P1-75	p130Cas plays important roles in osteoclast function ○Nagai Y ^{1,2} , Fukushima H ² , Osawa K ² , Tamura Y ³ , Aoki K ³ , Oya K ³ , Nakamura H ^{1,2} , Maki K ¹ , Jimi E ² (¹ Dept.of Growth and Development for function, Kyushu Dent. Coll., ² Div.of Molecular Signaling and Biochem., Dept.of BioSci., Kyushu Dent. Coll., ³ Sec. of Pharmacology, Dept. of Hard Tissue Engineering, Tokyo Med. and Dent.)
P1-76	Substrate specificity of four dipeptidyl peptidases from <i>Porphyromonas gingivalis</i> and the dipeptide repertoire produced by the bacterium ○Yanase A ¹ , Rouf SA ¹ , Ono T ¹ , Ohara-Nemoto Y ¹ , Nemoto T ¹ (¹ Dept. of Oral Mol. Biol., Nagasaki Univ. Grad. Sch. of Biomed. Sci.)
P1-77	Unidentified enhancers would be required for the high level expression of aggrecan ○Ikeda Y ^{1,2} , Oshiro A ² , Izumi Y ^{1,3} , Shinomura T ² (¹ Periodontology, Bio-Matrix Dept., Grad. Sch. of Med. and Dent. Sci., Tokyo Med. and Dent. Univ., ² Tissue Regeneration, Bio-Matrix Dept., Grad. Sch. of Med. and Dent. Sci., Tokyo Med. and Dent. Univ., ³ GCOE Program, Tokyo Med. and Dent. Univ.)
P1-78	Effect of osteocalcin through incretin ○Yasutake Y ¹ , Mizokami A ¹ , Hirata M ¹ (¹ Laboratory of Molecular and Cellular Biochem., Fac. of Dent. Sci., Kyushu Univ., ² Div. of Orthodontics, Fac. of Dent. Sci., Kyushu Univ.)
P1-79	The method to quantify the amount of periodontitis-associated bacteria adhered to biomaterials using fluorescent dye, alamar Blue. ○Ishiguro K ^{1,2} , Washio J ² , Sakuma Y ¹ , Takeuchi Y ¹ , Sasaki K ¹ , Takahashi N ² (¹ Div. Advanced Prost. Dent. Tohoku Univ. Grad. Sch. Dent., ² Div. Oral Ecol. Biochem. Tohoku Univ. Grad. Sch. Dent.)
P1-80	Mechanisms involved in inhibition of ADAMTS4 expression by high molecular weight hyaluronic acid ○Kataoka Y ^{1,2} , Ariyoshi W ¹ , Okinaga T ¹ , Kaneuji T ² , Takahashi T ³ , Nishihara T ¹ (¹ Div.of Infections and Molecular Biol., Kyusyu Dent. Coll., ² Div. of Oral and Maxillofacial Reconstructive Surgery, Kyusyu Dent. Coll., ³ Dept. of Oral Med. and Surgery, Tohoku Univ. Sch. Dent.)
P1-81	Purification and induction of odontoblast differentiation of neural crest-derived cells in the adult mouse Whisker pad ○Morisawa E ^{1,2} , Suzawa T ¹ , Miyauchi T ² , Suzuki W ^{1,2} , Baba K ² , Kamijo R ¹ (¹ Dept. of Biochem.,Showa Univ.Sch.Dent., ² Dept. of Prostdont.,Showa Univ.Sch.Dent.)
P1-82	Functional analysis of novel ALK2 mutant identified in fibrodysplasia ossificans progressiva ○Fujimoto M ¹ , Suda N ² , Katagiri T ¹ (¹ Div.of Pathophysiology, Res.Cent.for Genomic Med., Saitama Med.Univ., ² Div.of Orthodontics., Meikai Univ.Sch.Dent.)
P1-83	Lysyl gingipain enhances osteoclast differentiation induced by TNF-alpha and IL-1beta via preferential degradation of osteoprotegerin ○Akiyama T ^{1,2} , Miyamoto Y ¹ , Yamada A ¹ , Takami M ¹ , Yoshimura K ¹ , Hoshino M ^{1,2} , Miyamoto S ^{1,3} , Maki K ³ , Baba K ² , Kamijo R ¹ (¹ Dept. of Biochem., Showa Univ. Sch. Dent., ² Dept. of prosth., Showa Univ. Sch. Dent., ³ Dept. of Ortho., Showa Univ. Sch. Dent.)

P1-84	Epigenetic modifications of RUNX2 in human periodontal fibroblasts by Lipopolysaccharide extracted from <i>P. gingivalis</i> ○Takai R ¹ , Uehara O ² , Sato J ¹ , Yamazaki M ¹ , Nishimura M ¹ , Arakawa T ³ , Saitoh M ⁴ , Takuma T ³ , Abiko Y ¹ (¹ Div. of Oral Med. and Pathol., Health Sci. Univ. Hokkaido Sch. Dent., ² Div. of Oral Microbiol., Health Sci. Univ. Hokkaido Sch. Dent., ³ Div. of Oral Biochem., Health Sci. Univ. Hokkaido Sch. Dent., ⁴ Div. of Oral Grow. and Dev., Health Sci. Univ. Hokkaido Sch. Dent.)
P1-85	Effects of Dectin-1 on osteoclastogenesis ○Yamasaki T ^{1,2} , Ariyoshi W ¹ , Okinaga T ¹ , Hosokawa R ² , Nishihara T ¹ (¹ Div. of Infections and Molecular Biol., Kyushu Dent. Coll., ² Dept. of Oral Reconstruction and Rehabilitation, Kyushu Dent. Coll.)
P1-86	Cell migration in TGF-β1-induced epithelial-to-mesenchymal transition in human oral squamous cell carcinoma cells ○Saito D ¹ , Chosa N ² , Kyakumoto S ² , Takahashi N ² , Okubo N ³ , Ibi M ³ , Ishisaki A ² , Kamo M ² (¹ Div. of Oral and Maxill. Surg., Dept. of Reconst. Oral and Maxill. Surg., Iwate Med. Univ. Sch. Dent., ² Div. of Cell. Biosig. Sci., Dept. of Biochem., Iwate Med. Univ., ³ Dept. of Tumor Biol., Inst. of Biomed. Sci., Iwate Med. Univ.)
P1-87	Analysis of vesicular transport in salivary gland cells by covalent binding tag ○Shitara A ¹ , Arakawa T ¹ , Takuma T ¹ (¹ Dept. of Oral Biol., Div. of Biochem., Sch. of Dent., Health Sci. Univ. of Hokkaido)
P1-88	Osteogenic effects of sintered carbonate apatite on rat bone marrow derived stromal cells ○Onoe J ^{1,2} , Kawaki H ¹ , Kondo Y ^{1,2} , Kamiya M ¹ , Takayama E ¹ , Doi Y ³ , Nagahara K ² , Kondoh N ¹ (¹ Dept. of Oral Biochem., Asahi Univ. Sch. Dent., ² Dept. of Oral Implantol., Asahi Univ. Sch. Dent., ³ Dept. of Dent. Materials Sci., Asahi Univ. Sch. Dent.)
P1-89	Chemosensitivity and regulatory mechanism of food intake of area postrema neurons expressing H-channels ○Hirai Y ¹ , Maezawa H ¹ , Funahashi M ¹ (¹ Dept. of Oral Physiol., Grad. Sch. Dent. Med., Hokkaido Univ.)
P1-90	Influences on the risk-assessment behavior in bisphenol A exposure rats ○Fujimoto T ¹ , Nishikawa Y ¹ (¹ Dept. of Physiol., Osaka Dent. Univ.)
P1-91	Ethanol affects central neurons related to body fluid balance ○Inenaga K ¹ , Hitomi S ¹ , Ono K ¹ (¹ Dept. of Biosci., Kyushu Dent. Coll.)
P1-92	Facilitation effect of umami taste stimuli on the Voluntary swallowing in human ○Hatakeyama A ¹ , Nakamura Y ¹ , Kitada Y ² , Yahagi R ² , Inoue M ¹ (¹ Div. Dysphagia Rehabilitation, Niigata Univ., ² Morioka Taste and Swallowing Research Institute)
P1-93	Synaptic proteins in the rostral nucleus of the solitary tract in embryonic rat ○Suwabe T ¹ , Nishikawa Y ¹ (¹ Dept. of Physiol., Osaka Dent. Univ.)
P1-94	Exploration of brain region relevant to odor stimulus by using fMRI ○Fukami H ¹ , Horie S ^{1,2} , Uwano I ³ , Kudo K ² , Sasaki M ³ , Kubota M ⁴ , Sakuraba H ⁴ , Sahara Y ¹ (¹ Dept. of Physiol., Iwate Med. Univ. Sch. Dent., ² Dept. of Tumor. Biol., Inst. of Biomed. Sci., Iwate Med. Univ., ³ Div. of Ultrahigh Fielded MRI, Inst. for Biomed. Sci., Iwate Med. Univ., ⁴ Dept. of Prosthodont. and Oral Implant., Iwate Med. Univ. Sch. Dent.)
P1-95	Electrophysiological and anatomical features of pyramidal cells in the insular cortex ○Adachi K ^{1,2} , Yoshida A ³ , Sakagami H ¹ , Koshikawa N ² , Kobayashi M ² (¹ Div. Pharmacol., Meikai Univ. Sch. Dent., ² Dept. Pharmacol., Nihon Univ. Sch. Dent., ³ Dept. Anat. & Neurobiol., Osaka Univ. Grad. Sch. Dent.)
P1-96	The effect of stress on emotion and GABAergic system in ovariectomized mice ○Tsukahara T ¹ , Masuhara M ¹ , Sonomura T ² , Nagayama T ¹ , Uemura M ² , Sato T ¹ (¹ Dept. Pharmacol., Kagoshima Univ. Sch. Dent., ² Dept. of Anatomy for Oral Sci., Kagoshima Univ. Sch. Dent.)
P1-97	Spatiotemporal profiles of transcallosal connections in rat insular cortex revealed by in vivo optical imaging ○Mizoguchi N ¹ , Kobayashi M ² , Koshikawa N ² (¹ Dept. of Dysphagia Rehabilitation., Nihon Univ. Sch. Dent., ² Dept. of Pharmacol., Nihon Univ. Sch. Dent.)
P1-98	Role of GPR30, a novel estrogen receptor in the developing and established intractable pain ○Motoyama N ¹ , Morita K ² , Kitayama T ² , Nishimura F ¹ , Kanematsu T ² , Dohi T ³ (¹ Dept. Dent. Sci. Health Promot., Hiroshima Univ. Inst. Biomed. & Health Sci., ² Dept. Cell & Mol. Pharmacol., Hiroshima Univ. Inst. Biomed. & Health Sci., ³ Dept. Clinical Pharmacol., Nihon Pharmaceutical Univ.)
P1-99	Influences of increases in intracellular cAMP on propagation velocity of signals from gustatory cortex to oral somatosensory cortex of rats ○Yoshimura H ^{1,2} , Hasegawa T ¹ , Yao C ¹ , Akamatsu T ¹ (¹ Dept. of Mol. Oral Physiol., Inst. Health Biosci., Univ. Tokushima Grad. Sch., ² Dept. of Physiol. Kanazawa Med. Univ.)
P1-100	Artifact of metal framework in functional magnetic resonance imaging ○Shoi K ¹ , Fueki K ¹ , Taira M ² , Igarashi Y ¹ (¹ Sec. of Removable Partial Denture Prosthodontics, Grad. Sch. of Tokyo Med. Dent. Univ., ² Dept. of Cogn. Neurobiol, Tokyo Med. Dent. Univ.)
P1-101	A role of P2X ₂ receptor in neuropathic pain following trigeminal nerve injury ○Watanabe M ¹ , Takashi U ¹ (¹ Dept. of Oral Biol., Applied Life Sci., Hiroshima Univ. Institute of Biomed. & Health Sci.)
P1-102	Activation of microglial cells in the trigeminal subnucleus caudalis evoked by inflammatory stimulation of the oral mucosa ○Huang H ¹ , Nakatsuka M ¹ , Iwai Y ¹ (¹ Dept. of Oral Anat., Osaka Dent. Univ.)
P1-103	Characteristics of the conditioned taste aversion elicited by the mixed taste solution as conditioned stimulus ○Katagawa Y ¹ , Yasuo T ² , Gen K ¹ , Sako N ² (¹ Dept. Dent. for the Disability and Oral Health, Asahi Univ. Sch. Dent., ² Dept. Oral Physiol., Asahi Univ. Sch. Dent.)
P1-104	Acquisition of tongue motor skills in experimental animals ○Toda T ¹ , Kudo T ¹ (¹ Div. of Physiol., Tohoku Univ. Grad. Sch. Dent.)

P1-105	Neural activity in the somatosensory cortex following tongue and hard palate stimulation applied to preferred chewing side: An MEG study ○Maezawa H ¹ , Hirai Y ¹ , Shiraishi H ² , Funahashi M ¹ (¹ Dept. of Oral Physiol., Hokkaido Univ. Sch. Dent., ² Dept. of Pediatrics., Hokkaido Univ. Sch. Med.)
P1-106	Neuronal activities in the vestibular nucleus during rhythmic jaw movements ○Sato Y ¹ , Ishizuka K ¹ , Yajima E ² , Iwasaki S ¹ (¹ Dept. of Physiol., Nippon Dent. Univ. Sch. Life Dent. Niigata, ² Dept. of Orthodont., Nippon Dent. Univ. Sch. Life Dent. Niigata)
P1-107	Suppression of neurokinin-1 receptor in trigeminal ganglia attenuates central sensitization following inflammation ○Takeda M ¹ , Takaha M ¹ , Matsumoto S ¹ (¹ Dept. of Physiol. Sch. of Life Dent. Nippon Dent. Univ.)
P1-108	Voltage-gated sodium channels, Nav1.8 and Nav1.9, in ganglia: immunohistochemical analysis of infant rat dorsal root and nodose ganglion neuron ○Saiki C ¹ , Ide R ¹ , Takahashi M ¹ , Kanazawa T ¹ , Tamiya J ¹ , Makino M ¹ , Matsumoto S ¹ (¹ Dept. of Physiol., Nippon Dent. Univ., Sch. Life Dent.)
P1-109	Involvement of trigeminal afferent inputs in the maintenance of cerebral blood flow mediated by parasympathetic reflex vasodilatation in rats ○Ishii H ¹ (¹ Div. of Physiol., Dept. of Oral Biol., Sch. Dent., Health Sci. Univ. Hokkaido)
P1-110	Mechanical allodynia caused by subcutaneous administration of capsaicin in frog ○Furuyama F ¹ , Ohsuga K ¹ , Yonehara N ² , Munakata Y ¹ (¹ Dept. of Oral Func. Mol. Biol., Ohu Univ. Sch. Dent., ² Dept. of Oral Med. Sci., Ohu Univ. Sch. Dent.)
P1-111	The mechanism of neuritogenesis using a pulsed electromagnetic field alone ○Kudo T ¹ , Shimizu Y ² , Kanetaka H ³ (¹ Div. of Physiol., Tohoku Univ. Grad. Sch. Dent., ² Div. of Pathol., Tohoku Univ. Grad. Sch. Dent., ³ Liaison Center for Innovative Dent., Tohoku Univ. Grad. Sch. Dent.)
P1-112	The analysis of taste preference at different life stages in rats ○Inui-Yamamoto C ¹ , Ueda K ¹ , Yamamoto T ² , Nakatsuka M ¹ , An C ¹ , Kumabe S ¹ , Iwai Y ¹ (¹ Dept. of Oral Anat., Osaka Dent. Univ., ² Fac. of Health Sci., Kio Univ.)
P1-113	The preference to vitamin C solution in the rats lacking L-gulonolactone oxidase ○Yasuo T ¹ , Sako N ¹ (¹ Dept. Oral Physiol., Asahi Univ. Sch. Dent.)
P1-114	Analysis of taste responses of taste bud cells expressing T1R1 or T1R3 ○Yoshida R ¹ , Takai S ¹ , Ninomiya Y ¹ (¹ Sect. of Oral Neurosci., Grad. Sch. of Dent. Sci., Kyushu Univ.)
P1-115	The effect of dry eye on the properties of corneal primary afferent neurons ○Kurose M ¹ , Yamada Y ¹ , Kitagawa J ¹ , Yamamura Y ¹ (¹ Div. Oral Physiol., Niigata Univ. Grad. Sch. Med Dent.)
P1-116	The dynamics of hematopoietic cells in tumor microenvironment ○Tamamura R ¹ , Tsujigiwa H ¹ , Katase N ¹ , Nagatsuka H ¹ (¹ Dept. of Oral Path. and Med., Grad. Sch. of Med. Dent. and Pharma. Sci., Okayama Univ.)
P1-117	Acidic extracellular pH is a microenvironment to induce epithelial mesenchymal transition ○Kato Y ¹ , Suzuki A ² , Maeda T ¹ , Shimamura K ^{2,3} (¹ Dept. of Oral Funct. & Mol. Biol., Ohu Univ. Sch. of Dent., ² Dept. of Pediat. Dent., Ohu Univ. Grad. Sch. of Dent., ³ Dept. of Pediat. Dent., Ohu Univ. Sch. of Dent.)
P1-118	Knockdown of Sec6 improves cell-cell adhesion by increasing alpha-E-catenin in oral cancer cells ○Tanaka T ¹ (¹ Dept. of Anat. Cell Biol., Sch. Med. Yamagata Univ.)
P1-119	Immunohistochemical analysis of p120-catenin and beta-catenin expression in patients with oral carcinomas ○Sasaya K ¹ , Maeda G ¹ , Sudoh H ¹ , Chiba T ¹ , Imai K ¹ (¹ Dept. of Biochem., Nippon Dent. Dent. Univ. Sch. Life Dent. at Tokyo)
P1-120	Progression of oral carcinomas accompanied with reduced E-cadherin expression but not cadherin switching ○Hashimoto T ¹ , Soeno Y ² , Taya Y ² , Aoba T ² , Nasu M ³ , Maeda G ¹ , Sudoh H ¹ , Chiba T ¹ , Imai K ¹ (¹ Dept. of Biochem., Nippon Dent. Dent. Univ. Sch. Life Dent. at Tokyo, ² Dept. of Pathol., Nippon Dent. Univ., Sch. Life Dent. at Tokyo, ³ Res. Center Odont., Nippon Dent. Univ., Sch. Life Dent. at Tokyo)
P1-121	Reactive oxygen species reduce the expression of BRAK/CXCL14 in human head and neck squamous cell carcinoma cells ○Maehata Y ^{1,3} , Miyamoto Y ^{1,3} , Yoshino F ^{1,3} , Kato Y ⁴ , Yoshida A ^{1,3} , Wada-Takahashi S ^{1,3} , Takahashi S ^{1,3} , Hata R ^{2,3} , Lee M ^{1,3} (¹ Dept. of Oral Pham. Kanagawa Dent. Coll., ² Dept. of Biochem. Kanagawa Dent. Coll., ³ Oral Health Sci. Res. Center. Kanagawa Dent. Coll., ⁴ Dept. of Oral Func. and Mol. Biol. Ohu Univ. Sch. Dent.)
P1-122	Strategic survey of trends toward oral pathology standardization and oral pathology board certification in Asia ○Kubo K ^{1,2} , Kawai R ¹ , Kato S ¹ , Torii R ¹ , Yoshida W ^{1,2} , Sugita Y ^{1,2} , Sato E ^{1,2} , Maeda H ^{1,2} (¹ Dept. of Oral Pathol. Sch. Dent. Aichi Gakuin Univ., ² Cent. for Advanced Oral Sci. Aichi Gakuin Univ.)
P1-123	Application of progressive team based learning (TBL) on 2nd and 4th year dental students ○Katsuragi H ¹ (¹ Dept. of MicroBiol., Sch. of Life Dent. at Niigata, Nippon Dent. Univ.)
P2-1	Comprehensive analysis of indigenous plaque microbiota of mice ○Matsuyama J ¹ , Sato T ² , Quispe-Salcedo A ³ , Ishida N ^{2,4} , Takahashi N ² , Ohshima H ³ (¹ Div. of Pediatr. Dent., Niigata Univ. Grad. Sch. Med. Dent. Sci., ² Div. of Oral Ecol. Biochem., Tohoku Univ. Grad. Sch. Dent., ³ Div. of Anat. Cell Biol. Hard Tissue, Niigata Univ. Grad. Sch. Med. Dent. Sci., ⁴ Clinical Div. of Dent. Disabled, Tohoku Univ. Hosp.)
P2-2	Gene encoding iron acquisition cell surface protein of <i>Candida albicans</i> ○Shibayama K ¹ , Kikuchi Y ¹ , Kokubu E ¹ , Sato Y ² , Ishihara K ¹ (¹ Dept. of MicroBiol., Tokyo Dent. Coll., ² Dept. of Biochem., Tokyo Dent. Coll.)
P2-3	Inhibitory effects of phytochemical extract from bark of the French maritime pine tree on osteoclast differentiation ○Watanabe K ¹ , Toyama T ¹ , Takahashi S ² , Lee M ² , Hamada N ¹ (¹ Dept. of Infect. Cont., Kanagawa Dent. Coll., ² Dept. of Clinic. Care Med., Kanagawa Dent. Coll.)

P2-4	Multiple signalling pathways are involved in apoptosis and cell cycle arrest induced by <i>P. gingivalis</i> in human trophoblast ○Inaba H ¹ , Kubonawa M ² , Amano A ² (¹ Dept. of Oral Frontier Biol., Center for Frontier Oral Sci., Osaka Univ. Grad. Sch. of Dent., ² Dept. of Preventive Dent., Osaka Univ. Grad. Sch. of Dent.)
P2-5	The regulation of Akt/GSK3beta pathway by <i>Porphyromonas gingivalis</i> ○Nakayama M ¹ , Inoue T ¹ , Ohara N ¹ (¹ Dept. of Oral MicroBiol., Okayama Univ. Sch. Dent.)
P2-6	<i>Porphyromonas gingivalis</i> fimbriae inhibit the apoptosis of M1 myeloblastic leukemic precursor cells ○Takesita A ¹ , Suetsugu M ¹ , Hirose K ² , Yasui T ¹ (¹ Dept. of Oral Health and Preventive Dent., Meikai Univ. Sch. Dent., ² Dept. of Oral Health, Ohu Univ. Sch. Dent.)
P2-7	Hydrophobicity and N-glycosylation patterns of <i>Porphyromonas gingivalis</i> FimA variants ○Marni E C ¹ , Imai K ¹ , Ochiai K ¹ (¹ Dept. of MicroBiol., Nihon Univ. Sch. Dent.)
P2-8	The development of a new medium to culture <i>Slackia exigua</i> and the effect on biofilm formation co-cultured with <i>Fusobacterium nucleatum</i> ○Miyakawa H ¹ , Fujita M ¹ , Kamaguchi A ¹ , Nakazawa F ¹ (¹ Dept. Oral Microbiol., Sch. Dent., Health Sci. Univ. Hokkaido)
P2-9	Diversity of <i>staphylococcus</i> species in nasal and oral cavity of healthy adults ○Tsuzukibashi O ¹ , Fuse M ¹ , Fukatsu A ¹ , Ichimura M ¹ , Makimura M ² , Fukumoto M ¹ (¹ Dept. of Labo. Med. for Dent., Nihon Univ. Sch. Dent. at Matsudo, ² Dept. of Dent. Med. for Educat., Nihon Univ. Sch. Dent. at Matsudo)
P2-10	Comparison of bacteriostatic effects of components in Tea Tree Oil on bacterial growth and biofilm formation ○Fujita M ¹ , Miyakawa H ¹ , Kamaguchi A ¹ , Nakazawa F ¹ (¹ Dept. of Oral Microbiol., Health Sci. Univ. Hokkaido Sch. Dent.)
P2-11	Outer membrane vesicles of <i>Porphyromonas gingivalis</i> carry a variety of antigens and virulence factors ○Nakao R ¹ , Takashiba S ² , Kosono S ³ , Watanabe H ^{1,4} , Ohnishi M ¹ , Senpuku H ¹ (¹ Dept. of Bacteriology I, National Institute of Infectious Diseases, ² Dept. of Pathophysiology-Periodontal Sci., Okayama Univ. Grad. Sch. of Med., Dent. and Pharmaceutical Sci., ³ Biotechnology Research Center, The Univ. of Tokyo, ⁴ National Institute of Infectious Diseases)
P2-12	Localization of genus <i>Rothia</i> in oral cavity ○Uchibori S ¹ , Tsuzukibashi O ² , Goto H ¹ , Kobayashi T ¹ , Aida M ¹ (¹ Dept. of Crown Bridge Prosthodontics, Nihon Univ. Sch. Dent. at Matsudo, ² Dept. of Laboratory Medi. for Dent., Nihon Univ. Sch. Dent. at Matsudo)
P2-13	Search for target molecule for immunotherapy of <i>P. gingivalis</i> TDC60: Structural and functional analysis of PepD ○Shibata Y ¹ , Suzuki M ² , Abiko Y ¹ (¹ Dept. of Biochem. & Mol. Biol., Nihon Univ. Sch. Dent. at Matsudo, ² Inst. Protein Res., Osaka Univ.)
P2-14	The consideration for the role of N-acetylneuraminic acid on the surface of <i>Fusobacterium nucleatum</i> ○Yoneda S ¹ (¹ Dept. of Dent. Pharmacol., Hiroshima Univ. Sch. Dent.)
P2-15	The utilization of amino acids in dental plaque biofilm —Metabolomics approach with CE-TOFMS— ○Washio J ¹ , Takahashi N ¹ (¹ Div. of Oral Ecol and Biochem, Tohoku Univ. Grad. Sch. Dent.)
P2-16	Anticytotoxic effect of green tea catechin on <i>A. actinomycetemcomitans</i> LPS ○Saito M ¹ , Shinozaki-Kuwahara N ¹ , Takada K ¹ , Hirasawa M ¹ (¹ Dept. of Oral Microbiol., Nihon Univ. Sch. Dent. at Matsudo)
P2-17	Characterization of <i>Streptococcus</i> species isolated from elephant oral cavity ○Kuwahara N ¹ , Saito M ¹ , Hirasawa M ¹ , Takada K ¹ (¹ Dept. Oral Microbiol., Nihon Univ. Sch. Dent. at Matsudo)
P2-18	The role of enzymes involved in acid resistance of <i>Streptococcus anginosus</i> ○Sasaki M ¹ , Kodama Y ¹ , Shimoyama Y ¹ , Kimura S ¹ (¹ Div. of Mol. Microbiol. Dept. of Microbiol. Iwate Med. Univ.)
P2-19	Analysis of maltose-metabolism gene in <i>S. mutans</i> ○Sato Y ¹ (¹ Dept. of Biochem., Tokyo Dent. Coll.)
P2-20	Identification of insert sites of insertion sequence ISScr1 of <i>Streptococcus criceti</i> strain E49 ○Tamura H ¹ , Yamada A ¹ , Kato H ¹ (¹ Div. of Bioregulatory Pharmacol., Dept. of Pharmacol., Iwate Med. Univ.)
P2-21	Control of oral microorganism number in the elderly person using antimicrobial gel ○Tamura M ^{1,2} , Ochiai K ^{1,2} (¹ Dept. of Microbiol., Nihon Univ. Sch. Dent., ² Div. Immunol. Pathobiol., Dent. Res. Cent., Nihon Univ. Sch. Dent.)
P2-22	Identification of <i>F. nucleatum</i> subspecies by PCR and dispersion of autoaggregate of <i>F. nucleatum</i> subsp. <i>polymorphum</i> by <i>P. gingivalis</i> ○Kamaguchi A ¹ , Okamoto M ² , Takada K ³ , Fujita M ¹ , Miyakawa H ¹ , Nakazawa F ¹ (¹ Dept. Oral Microbiol. Sch. Dent. Health. Sci. Univ. Hokkaido, ² Dept. Oral Microbiol. Sch. Dent. Tsurumi Univ., ³ Dept. Oral Microbiol. Nihon Univ. Sch. Dent. at Matsudo)
P2-23	Genetic analyses of serotype g specific antigen synthesis gene cluster from <i>A. actinomycetemcomitans</i> ○Takada K ¹ , Tsudukibashi O ² , Hayashi K ³ , Hirasawa M ¹ (¹ Dept. of Oral Microbiol., Nihon Univ. Sch. Dent. Matsudo, ² Dept. of Lab. Med. for Dent., Nihon Univ. Sch. Dent. Matsudo, ³ Dept. of Social Dent., Nihon Univ. Sch. Dent. Matsudo)
P2-24	A scanning electron microscope observation of <i>Candida albicans</i> and <i>Candida glabrata</i> after exposure to antifungal drugs ○Nagayama T ¹ , Kamikawa Y ² , Sato T ¹ (¹ Dept. Appl. Pharmacol., Grad. Sch. Med. Dent. Sci. Kagoshima Univ., ² Dept. Maxillofac. Diag. Surg. Sci. Grad. Sch. Med. Dent. Sci. Kagoshima Univ.)
P2-25	Characteristics of choline binding protein E-deficient mutant strain of <i>Streptococcus mitis</i> ○Morisaki H ¹ , Arimoto T ¹ , Kataoka H ¹ , Taniguchi M ¹ , Fukamachi H ¹ (¹ Dept. of Oral Microbiol., Showa Univ. Sch. Dent.)
P2-26	Antibacterial activity of roselle tea (<i>Hibiscus sabdariffa</i>) against <i>Streptococcus mutans</i> in vitro ○Sulistyani H ¹ , Fujita M ¹ , Mashima I ¹ , Sato T ¹ , Miyakawa H ¹ , Kamaguchi A ¹ , Nakazawa F ¹ (¹ Dept. of Oral Microbiol. Sch. of Dent. Health Sci. Univ. Hokkaido)

P2-27	Co-transplantation of OSCC with mesenchymal stroma cells affects tumor incidence and host immune systems ○Azuma Y ^{1,2} , Kamiya M ¹ , Kawaki H ¹ , Takayama E ¹ , Chihara E ² , Kondoh N ¹ (Dept. of Oral Biochem., Asahi Univ. Sch. Dent., ² Dept. of Anesthesiol., Asahi Univ. Sch. Dent.)
P2-28	A role of PHLDA1 on apoptosis in gingival carcinoma cell line Ca9-22 ○Murata T ¹ , Kakuta E ² , Imai S ³ , Hanada N ³ (Dept. of Traslational Res., Tsurumi Univ. Sch. Dent. Med., ² Dept. of Traslational Res., Tsurumi Univ. Sch. Dent. Med., ³ Dept. of Traslational Res., Tsurumi Univ. Sch. Dent. Med.)
P2-29	The role of Th17 cells on the development of Sjogren's syndrome in estrogen deficient NOD mice ○Arakaki R ¹ , Yamada A ¹ , Kudo Y ¹ , Ishimaru N ¹ (Dept. of Oral Molecular Pathol., The Univ. of Tokushima Grad. Sch.)
P2-30	IFN-gamma and IL-10 producing capability on murine model for periodontal disease ○Takeuchi H ^{1,2} , Takayama E ¹ , Kawaki H ¹ , Kamiya M ¹ , Kubo S ^{1,2} , Shiraki M ² , Shibutani T ² , Kondoh N ¹ (Dept. of Oral Biochem., Asahi Univ. Sch. of Dent., ² Dept. of Periodont., Asahi Univ. Sch. of Dent.)
P2-31	Dynamics of sublingual dendritic cells after antigen application ○Zhang C ¹ , Ohno T ¹ , Azuma M ¹ (Dept. Mol. Immunol., Grad. Sch., Tokyo Med. Dent. Univ.)
P2-32	CD2 crosslinking-stimulation enhanced release of granzyme B from NK92 cells ○Inoue H ¹ , Uchihashi K ¹ , Nishikawa Y ¹ (Dept. of Physiol. Osaka Dent. Univ.)
P2-33	Effects of neutrophil myeloperoxidase system to Congo Red as an agent for imaging in the dianosis of amyloidosis ○Onishi M ¹ , Odajima T ² (Div. of Biochem., Sch. of Dent., Health Sci. Univ. of Hokkaido, ² Sapporo Research Institute of Basic Med. and Pedagogy)
P2-34	Ni-induced NO production by mouse dermal fibroblast and its augmentation by IL-1beta ○Kuroishi T ¹ , Endo Y ¹ , Sugawara S ¹ (Div. of Oral Immunol., Tohoku Univ. Grad. Sch. Dent.)
P2-35	Influence of gene editing enzyme, AID, to oral cancer progression ○Miyazaki Y ¹ , Inoue H ¹ , Kikuchi K ¹ , Kusama K ¹ (Dept. of Pathol., Meikai Univ. Sch. Dent.)
P2-36	Effect of histatin and its mutants on the production of inflammatory cytokines by heat shock protein ○Imamura Y ¹ , Aoki H ² , Miyazawa H ³ , Wang PL ⁴ (Dept. of Pharmacol., Matsumoto Dent. Univ., ² Dept. of Pediatr. Dent., Matsumoto Dent. Univ., ³ Div. of Health promot. Inst. of Oral Sci., Grad. Sch. of Oral Med., Matsumoto Dent. Univ., ⁴ Dept. of Dent. Educ. Innov., Osaka Dent. Univ.)
P2-37	Effect of periodontal bacteria on ozone gel ○Oh H ¹ , Imamura Y ² (Dept. of Oral Educ. Innovation, Osaka Dent. Univ., ² Dept. of Pharmacology, Matsumoto Dent. Univ.)
P2-38	Eugenol, an anesthetic agent, inhibits transient receptor potential V1 channels activated by capsaicin and proton ○Yoshida T ¹ , Takahashi K ² , Wakamori M ¹ (Div. Mol. Pharmacol. and Cell Biophys., Dept. Oral. Biol. Tohoku Univ. Grad. Sch. Dent., ² Tohoku Univ. Sch. Dent.)
P2-39	Blockade of the CRAC channel by phenols ○Suzuki T ^{1,2} , Tsuboi A ² , Yoshida T ¹ , Wakamori M ¹ (Div. of Mol. Pharmacol. & Cell Biophys., Tohoku Univ. Grad. Sch. of Dent., ² Div. of Aging & Geriat. Dent., Tohoku Univ. Grad. Sch. of Dent.)
P2-40	Development of non-surgical jaw cyst therapy using receptor growth factor kinase inhibitor drugs ○Yamaguchi Y ¹ , Tsuda H ^{1,3} , Ohki H ^{2,4} , Otsuka K ^{1,3} , Suzuki N ^{1,3} (Dept. of Biochem., Nihon Univ. Sch. Dent., ² Dept. of Oral and Maxillofac. Surg., Nihon Univ. Sch. Dent., ³ Div. of Functional Morphology, Dent. Res. Center, Nihon Univ. Sch. Dent., ⁴ Div. of Biodefense, Dent. Res. Center, Nihon Univ. Sch. Dent.)
P2-41	Effects of local anesthetics on rat neutrophil chemotaxis induced by fMLP - Analysis by EZ-Taxiscan - ○Kashi S ¹ , Azuma Y ² , Chihara E ¹ , Kashimata M ² (Dept. Anesthesiol. Asahi Univ. Sch. Dent., ² Dept. Dent. Pharmacol. Asahi Univ. Sch. Dent.)
P2-42	Noncompetitive reversible inhibition of bone-type alkaline phosphatase activity by etidronate ○Suzuki K ¹ , Kikuchi H ¹ , Yoshimura Y ¹ , Deyama Y ¹ (Dept. of Oral Pathobiol. Sci., Grad. Sch. of Dent. Med., Hokkaido Univ.)
P2-43	Analysis of analgesic effects of Rikko-san ○Horie N ^{1,4} , Adachi K ² , Nagao T ² , Matsuta T ² , Kato T ¹ , Hino S ¹ , Shimoyama T ¹ , Kaneko T ^{3,4} , Kusama K ⁴ , Sakagami H ² (Dept. Oral Surg. Saitama Med. Cen. Saitama Med. Univ., ² Dept. of Pharmacol. Meikai Univ. Sch. Dent., ³ Sec. Div. Oral and Maxillofac. Surg. Nihon Univ. Sch. Dent., ⁴ Dept. of Pathol. Meikai Univ. Sch. Dent.)
P2-44	A novel mitogenic factor from the pedicellariar venom of the sea urchin, <i>Toxopneustes pileolus</i> ○Shinohara M ¹ , Nakagawa H ² , Nishiitsutsuji R ³ , Ohura K ¹ (Dept. of Pharmacol., Osaka Dent. Univ., ² Dept. of Environmental Symbiosis, Univ. of Tokushima Grad. Sch., ³ Dept. of Pharmacol., Grad. Osaka Dent. Univ.)
P2-45	Structural analysis of UV protective and antioxidant substances in <i>Sasa senanensis</i> Rehder extract (Sasahealth) ○Matsuta T ¹ , Sakagami H ^{1,2} , Kitajima M ³ , Oizumi H ³ , Oizumi T ³ (MPL, Meikai Univ. Sch. Dent., ² Div. Pharmacoi., Meikai Univ. Sch. Dent., ³ Daiwa Biol. REs. Inst. Co. Ltd.)
P2-46	Effects of cafestol on osteoclast formation and bone resorption ○Fukuma Y ¹ , Sakai E ¹ , Sugawara M ^{1,2} , Nishishita K ¹ , Okamoto K ¹ , Tsukuba T ¹ (Div. Oral Pathopharmacology Dept. Dev. Reconstruct. Med., Nagasaki Univ. Grad. Sch. Biomed. Sci., ² Div. Orthodontics and BioMed. Engineering Dept. Dev. Reconstruct. Med., Nagasaki Univ. Grad. Sch. Biomed. Sci.)
P2-47	Cytoprotective effect of kampo medicines and glycyrrhizin against UV irradiation ○Kato T ¹ , Hino S ¹ , Horie N ^{1,2} , Matuta T ³ , Umemura N ⁵ , Kaneko T ⁴ , Shimoyama T ¹ , Sakagami H ^{3,5} (Dept. of Oral Surg. Saitama Med. Center, Saitama Med. Univ., ² Div. of Pathology, Dept. of Diagnostic and Therapeutic Sci., Meikai Univ. Sch. of Dent., ³ Div. of MPL, Dept. of Diagnostic and Therapeutic Sci., Meikai Univ. Sch. of Dent., ⁴ Nihon Univ., Dept. of Oral and Maxillofacial Surg., Sch. of Dent., ⁵ Div. of Pharmacology, Dept. of Diagnostic and Therapeutic Sci., Meikai Univ. Sch. of Dent.)

P2-48	Effects of fisetin on osteoclast formation and bone resorption ○Sakai E ¹ , Sugawara M ^{1,2} , Fukuma Y ¹ , Nishishita K ¹ , Okamoto K ¹ , Tsukuba T ¹ (¹ Div. Oral Pathopharmacology, Dept. Dev. Reconstruct. Med., Nagasaki Univ. Grad. Sch. Biomed. Sci., ² Div. Orthodontics and BioMed. Engineering, Dept. Dev. Reconstruct. Med., Nagasaki Univ. Grad. Sch. Biomed. Sci.)
P2-49	Possible therapeutic effects of <i>Sasa senanensis</i> Rehder extract (Sasahealth) on oral diseases ○Sakagami H ¹ , Matsuta T ² , Tomomura M ^{2,3} , Tomomura A ³ , Tanaka S ⁴ , Machino M ⁴ , Yasui T ⁵ , Kitajima M ⁶ , Oizumi H ⁶ , Oizumi T ⁶ (¹ Div. of Pharmacol., Meikai Univ. Sch. Dent., ² MPL, Meikai Univ. Sch. Dent., ³ Div. Biochem, Meikai Univ. Sch. Dent., ⁴ Div. Oral Diagnosis, Meikai Univ. Sch. Dent., ⁵ Div. Oral Health, Meikai Univ. Sch. Dent., ⁶ Daiwa Biological Res. Inst. Co. Ltd.)
P2-50	Quest of anti-aging activity of lignin-carbohydrate complex: anti-UV activity ○Nanbu T ¹ , Shimada J ¹ , Sakagami H ² (¹ Div. of Oral Maxillofacial Surgery, Meikai Univ. Sch. Dent., ² Div. Pharmacology, Meikai Univ. Sch. Dent.)
P2-51	Analgesic action of chitosan oligosaccharides (The second report) ○Terasawa R ¹ , Koiso K ¹ , Yonehara N ¹ (¹ Dept. of Oral Med. Sci., Ohu Univ. Sch. Dent.)
P2-52	P2X receptor activation stimulates insulin secretion by mouse pancreatic islets ○Ohtani M ¹ , Ohura K ¹ (¹ Dept. of Pharmacol., Osaka Dent. Univ.)
P2-53	Designing of new cytotoxic isoquinolines against human oral squamous cell carcinoma ○Ishihara M ¹ , Yamauchi M ² (¹ Div. of Basic Chemistry, Oral Biol. and Tissue Engineering, Meikai Univ. Sch. Dent., ² Div. of Med. Informatics Dept. of Community Health Sci, Meikai Univ. Sch. Dent.)
P2-54	Effects of sympathetic beta-1 and beta-2 agents on Cl ⁻ secretion induced by the parasympathetic agent in rat submandibular acinar cells ○Hirono C ¹ , Sugita M ¹ , Shiba Y ¹ (¹ Dept. of Oral Physiol., Hiroshima Univ. Grad. Sch. Biomed. Health Sci.)
P2-55	IRAG binding site in IP ₃ R molecule ○Masuda W ¹ , Fukushima H ¹ , Jimi E ¹ (¹ Dept. of Biosci., Kyushu Dent. Coll.)
P2-56	Increase of Ca ²⁺ stores and Ca ²⁺ release in rat submandibular acinar cells by the expression of Stim1-mKO1 ○Morita T ¹ , Nezu A ¹ , Tojyo Y ² , Tanimura A ¹ (¹ Dept. of Pharmacol., Sch. of Dent., Health Sci. Univ. of Hokkaido, ² Dept. of Biophysics. Health Sci Univ. Hokkaido)
P2-57	Alpha6 integrin involves a response of stalk elongation in branching morphogenesis of submandibular gland ○Koyama N ¹ , Mizukoshi K ¹ , Kashimata M ¹ (¹ Dept. of Dent. Pharmacol., Asahi Univ. Sch. Dent.)
P2-58	Morphological study of the submandibular glands in type 2 diabetic mellitus rat ○Morishita A ¹ , Uemura M ² , Suwa F ² (¹ Dept. of Anatomy, Sch. Osaka. Dent. Univ., ² Dept. of Anatomy, Osaka Dent. Univ.)
P2-59	Immunohistochemical localization of PACAP receptor in mouse salivary glands with aging ○Nonaka N ¹ , Nakamura M ¹ (¹ Dept. of Oral Anat. and Dev. Biol., Showa Univ. Sch. of Dent.)
P2-60	Rab27 guanine nucleotide exchange factor (GEF) is involved in exocytosis in parotid acinar cells ○Imai A ¹ , Nashida T ¹ , Shimomura H ¹ (¹ Dept. of Biochem., The Nippon Dent. Univ. Sch. Life Dent. Niigata)
P2-61	Isoproterenol induced AQP5 down-regulation <i>via</i> activation of micro-calpain in the parotid gland of mice ○Yao C ¹ , Hasegawa T ¹ , Akamatsu T ¹ , Yoshimura H ¹ (¹ Dept. Mol. Oral Physiol., Inst. Health Biosci., Univ. Tokushima Grad. Sch.)
P2-62	Evaluation of mRNA expression of salivary antimicrobial proteins in saliva and relation to aging ○Sato R ¹ , Shibasaki K ¹ (¹ Nippon Dent. Univ. Coll. at Niigata)
P2-63	Metabolomic profiles in saliva and GCF from the periodontal patients ○Tanaka S ¹ , Akita S ¹ , Machino M ¹ , Sakagami H ² , Sugimoto M ^{3,4} , Soga T ³ , Tomita M ³ (¹ Div. Oral Diagnosis, Meikai Univ. Sch. Dent., ² Div. Pharmacol., Meikai Univ. Sch. Dent., ³ Inst. Advanced Biosci., Keio Univ., ⁴ Kyoto Univ. Grad. Sch. Med., Med. Innovation Cent.)
P2-64	Expression of nestin in mouse parotid glands by duct ligation ○Yokoyama M ¹ , Kato O ¹ , Fukushima M ¹ , Yoshigaki J ¹ (¹ Dept. of Physiol., Nihon Univ. Sch. Dent. Matsudo)
P2-65	Expression of skeletal muscle actin in myoepithelial cells of mouse parotid glands ○Nashida T ¹ , Yoshie S ² , Haga-Tsujimura M ² , Imai A ¹ , Shimomura H ¹ (¹ Dept. of Biochem., The Nippon Dent. Univ., Sch. of Life Dent., at Niigata, ² Dept. of Histology, The Nippon Dent. Univ., Sch. of Life Dent., at Niigata)
P2-66	Lysophosphatidic acid signaling in human periodontal ligament cells ○Arakawa T ¹ , Okayama M ² , Obara N ³ , Shitara A ¹ , Irie K ³ , Mizoguchi I ² , Takuma T ¹ (¹ Dept. of Biochem., Sch. Dent., Health Sci. Univ. of Hokkaido, ² Dept. of Orthodon., Sch. Dent., Health Sci. Univ. of Hokkaido, ³ Dept. of Hist., Sch. Dent., Health Sci. Univ. of Hokkaido)
P2-67	Stimulation of root formation and regeneration by natural compound ○Fujiwara N ¹ , Otsu K ¹ , Sakano M ¹ , Ota M ² , Harada H ¹ (¹ Div. of Dev. Biol. and Regener. Med., Dept. of Anat., Iwate Med. Univ., ² Sect. Mol. Craniofac. Embryol., Grad. Sch. Tokyo Med. and Dent. Univ.)
P2-68	Signaling analysis of TGF-beta-induced growth inhibition and SMC differentiation of periodontal ligament-derived endothelial progenitor cell-like cells ○Kyakumoto S ¹ , Yoshida M ¹ , Okubo N ² , Chosa N ¹ , Hasegawa T ³ , Takahashi N ¹ , Ibi M ² , Kamo M ¹ , Ishisaki A ¹ (¹ Div. of Cell. Biosignal Sci., Dept. of Biochem., Iwate Med. Univ., ² Dept. of Tumor. Biol., Inst. of Biomed. Sci., Iwate Med. Univ., ³ Dept. of Pediatr. Dent., Tokushima Univ. Hosp.)

P2-69	The study of the molecular mechanism of the bone resorption in the diabetic periodontitis ○Zhang M ¹ , Osawa K ² , Matsuo K ¹ , Fukusima H ² , Jimi E ² (¹ Dept. of Oral Pathol., Kyushu Dent. Coll., ² Dept. of Mol. Sign. and Bio., Kyushu Dent. Coll.)
P2-70	Bioinformatic analysis of gene expression of gingival epithelial cell in response to ergothioneine ○Sato J ¹ , Yamazaki M ¹ , Nishimura M ¹ , Satoh H ¹ , Takai R ¹ , Bhawal UK ² , Abiko Y ² , Abiko Y ¹ (¹ Div. of Oral Med. and Pathol., Health Sci. Univ. Hokkaido Sch. Dent., ² Dept. of Biochem. and Mol. Bio., Nihon Univ. Sch. Dent. at Matsudo)
P2-71	Examination of structure and composition between subgingival dental calculus and dental calculus of periodontal lesion ○Mishima H ¹ , Ookubo A ² , Nishino A ³ , Sasagawa I ⁴ , Aoyagi H ⁴ , Miake Y ⁵ (¹ Dept. of Human Life Sci., Kochi Gakuen Coll., ² Hiu Dent. Academy, ³ Nishino Dental Clinic, ⁴ Advanced Research Centre, The Nippon Dent. Univ., Sch. of Life Dent at Niigata, ⁵ Dept. of Ultrastructural Sci., Oral Health Sci. Center, Tokyo Dent. Coll.)
P2-72	Profiling of histone H3 acetylation in oral epithelium with LPS ○Nishimura M ¹ , Uehara O ² , Takai R ¹ , Arakawa T ³ , Yamazaki M ¹ , Sato J ¹ , Sato H ¹ , Takuma T ³ , Abiko Y ¹ (¹ Dept. of Oral Med. and Pathol., Health Sci. Univ. Sch. Dent., ² Dept. of Microbiol., Health Sci. Univ. Sch. Dent., ³ Dept. of Biochem., Health Sci. Univ. Sch. Dent.)
P2-73	Relationship between phenytoin and calcium-sensing receptors in gingival fibroblasts ○Hattori T ¹ , Nakano K ² , Kawakami T ² (¹ Dept. of Dent. Pharmacol. Matsumoto Dent. Univ., ² Hard Tissue Pathol. Unit, Inst. of Oral Sci., Matsumoto Dent. Univ.)
P2-74	Effects of erythropoietin on stem cells from human periodontal ligament with periodontitis ○Masuda K ¹ , Yamaza T ² , Ma L ³ , Makino Y ⁴ , Hoshino Y ³ , Higuchi Y ¹ , Kukita T ² (¹ General Oral Care, Kyushu Univ. Hosp., ² Dept. Mol. Cell Biol. & Oral Anat., Kyushu Univ. Grad Sch. of Dent. Sci., ³ Dept. Pediatric Dent., Kyushu Univ. Grad Sch. of Dent. Sci., ⁴ Dept. Fixed Prothod., Kyushu Univ. Grad Sch. of Dent. Sci.)
P2-75	Effect of mechanical stress induced collagen modifying enzymes on periodontal ligament ○Kaku M ¹ , Nozawa M ¹ , Akiba Y ¹ , Uoshima K ^{1,2} (¹ Div. of Bio-Prosthodontics, Niigata Univ., ² Med. and Dent. Hosp. Niigata Univ.)
P2-76	A safety initiative targeting induced pluripotent stem (iPS) cells derived from human PDL fibroblast by retrovirus transduction ○Hanada N ¹ , Nomura Y ¹ , Ishikawa M ² , Yashiro Y ² , Arai C ² , Yamaguchi T ³ , Murata T ¹ , Noda K ² , Takano Y ⁴ , Nakamura Y ² (¹ Dept. of Translational Res., Tsurumi Univ. Sch. Dent. Med., ² Dept. of Orthodontics, Tsurumi Univ. Sch. Dent. Med., ³ First Dept. of Operative Dent., Tsurumi Univ. Sch. Dent. Med., ⁴ Dept. of Hard Tissue Engineering, Tokyo Med. Dent. Univ. Sch. Dent.)
P2-77	Inflammatory cytokine and osteoclast in a new rat periodontal model ○Abe K ¹ , Tamura M ^{1,2} , Ochiai K ^{1,2} (¹ Dept. of Microbiol., Nihon Univ. Sch. Dent., ² Div. Immunol. Pathobiol., Dent. Res. Cent., Nihon Univ. Sch. Dent.)
P2-78	The effect of mechanical stress on the migration of bone marrow-derived cells into the periodontal tissues ○Tomida M ¹ , Nakano K ² , Muraoka R ³ , Nakamura T ¹ , Asanuma N ¹ , Tsujigiwa H ⁴ , Nagatsuka H ⁴ , Kawakami T ² (¹ Dept. of Oral Physiol., Matsumoto Dent. Univ. Sch. of Dent., ² Hard Tissue Pathol. Unit, Matsumoto Dent. Univ. Inst. for Oral Sci., ³ Dept. of Orthodont., Matsumoto Dent. Univ. Sch. of Dent., ⁴ Dept. of Oral Path and Med. Grad. Sch. of Med., Dent., and Pharma. Sci. Okayama Univ.)
P2-79	Fibulin-4 controls LOXL2/elastin complex formation in periodontium ○Yamauchi Y ¹ , Nakatomi Y ¹ , Nakashima K ¹ , Tsuruga E ² , Sawa Y ² , Ishikawa H ¹ (¹ Ortho, Oral Growth and Dev., Fukuoka Dent. Coll., ² Function Struct, Morpho Bio, Fukuoka Dent. Coll.)
P2-80	The stress reactivity protein which periodontal ligament fibroblast cells develop by chemical stress ○Sadaoka S ¹ , Yagami K ^{2,3} , Kasahara K ¹ , Kawahara T ^{1,4} , Nakane S ¹ , Maki S ^{1,3} (¹ Dept. Dent. Health., Matsumoto Dent. Univ., ² Dept. of Social Dent., Matsumoto Dent. Univ., ³ Dept. of Oral Health Policy, Grad. Sch., Matsumoto Dent. Univ., ⁴ Dept. of Clinical Med., Grad. Sch., Matsumoto Dent. Univ.)
P2-81	Immunohistochemical study of LAMP-1 in periodontal ligament development ○Hatakeyama Y ¹ , Hatakeyama J ² , Oka K ³ , Tsuruga E ¹ , Inai T ¹ , Sawa Y ¹ (¹ Dept. of Morphol. Biol. Fukuoka Dent. Coll., ² Dept. of Oral Anat. Cell Biol. Kyushu Univ., ³ Sec. of Pedi. Dent. Fukuoka Dent. Coll.)
P2-82	Immunofluorescence localization of Prickle1 and Prickle2 in developing mouse tooth germs ○Obara N ¹ , Irie K ¹ , Shibata S ² (¹ Div. of Histol., Dept. of Oral Growth and Dev., Health Sci. Univ. of Hokkaido, ² Sec. Maxillofacial Anat., Tokyo Med. Dent. Univ. Grad. Sch.)
P2-83	Localization of LEF1, SP6 and Pospo-Smad1/5/8 in the tooth germ of rat molar ○Moriguchi M ¹ , Yamada M ² , Miake Y ¹ , Yamaguchi Y ² , Yamamoto H ¹ (¹ Dept. of Ultrastructur. Sci., Tokyo Dent. Coll., ² Dept. of Physi. Thera., Niigata Univ. Health Wel., Fac. Med. Tech.)
P2-84	Expression of thyroid hormone receptor in lower jaw of the newt ○Miwa Y ¹ , Yamaguchi T ² , Shimada K ³ , Sato I ¹ (¹ Dept. of Anat., Nippon Dent. Univ. Sch. Life Dent. at Tokyo, ² Dept. of Prevent., Field of Develop. Med., Kagoshima Univ. Grad. Sch. Med. Dent., ³ Dept. of Neurolo., Gross Anat., Kagoshima Univ. Grad. Sch. Med. Dent.)
P2-85	Immunohistochemical examination of Notch signaling in calcifying cystic odontogenic tumors ○Nakano K ^{1,3} , Ochiai T ¹ , Tsujigiwa H ² , Nagatsuka H ² , Hasegawa H ^{1,3} , Kawakami T ³ (¹ Dept. of Oral Pathol., Matsumoto Dent. Univ. Sch. of Dent., ² Dept. of Oral Pathol. and Med., Grad. Sch. of Med., Dent. & Pharm. Sci., Okayama Univ., ³ Hard Tissue Pathol. Unit, Matsumoto Dent. Univ. Grad. Sch. of Oral Med.)
P2-86	Genotyping from pulpp DNA by Quenching Probe method ○Tsumumi H ^{1,2} , Izawa H ^{1,2} , Maruyama S ^{1,2} , Komuro T ^{1,2} (¹ Dept. of Legal Med., Nihon Univ. Sch. Dent., ² Div. of Soc. Dent. Dent. Re. Cen. Nihon Univ. Sch. Dent.)
P2-87	Amelogenesis imperfecta and gingival hyperplasia occurred in the FAM20A deficiency mice ○An C ¹ , Kumabe S ¹ , Nakatsuka M ¹ , Ueda K ¹ , Inui-Yamamoto C ¹ , Iwai Y ¹ (¹ Dept. of Oral Anatomy, Osaka Dent. Univ.)
P2-88	Differential profile in porcine epithelial cell rests of malassez ○Kurashige Y ¹ , Kondo Y ¹ , Murai Y ¹ , Saitoh M ¹ , Abiko Y ² (¹ Div. of Ped Dent., Health Sci. Univ. Hokkaido Sch. Dent., ² Div. of Oral Pathol. Med., Health Sci. Univ. Hokkaido Sch. Dent.)

P2-89	Participation of DCC/Netrin-1 interaction in cell-cell adhesion of ameloblast ○Nakagawa A ¹ , Goto T ² , Kataoka S ² , Nagao S ¹ , Morikawa K ¹ , Kobayashi S ² , Maki K ¹ (¹ Div. of Dev. Stomatognathic Function Sci., Kyushu Dent.Coll., ² Div. of Anatomy, Kyushu Dent. Coll.)
P2-90	Immunohistochemical examination of hard tissue related factors in the mouse dental pulp after immediate teeth separation ○Sato M ¹ , Nakano K ^{2,3} , Hasegawa H ³ , Kawakami T ² (¹ Dept. of Operative Dent. and Endodontics, Matsumoto Dent. Univ. Sch. of Dent., ² Hard Tissue Pathology Unit, Matsumoto Dent. Univ. Institute for Oral Sci., ³ Dept. of Oral Pathology, Matsumoto Dent. Univ. Sch. of Dent.)
P2-91	Gene expression analysis of membrane transport proteins in experimentally-inflamed rat pulp tissue ○Ohkura N ¹ , Shigetani Y ¹ , Hosoya A ² , Yoshida N ¹ , Yoshida K ¹ , Okiji T ¹ (¹ Div. of Cariology, Operative Dent. and Endodontics, Dept. of Oral Health Sci., Niigata Univ. Grad. Sch. of Med. and Dent. Sci., ² Dept. of Oral Histology, Matsumoto Dent. Univ.)
P2-92	Immunohistochemical observations on the collar enamel in Lepisosteus, actinopterygian, bony fish ○Sasagawa I ¹ , Mikami M ² , Ishiyama M ³ , Yokosuka H ³ , Uchida T ⁴ (¹ Advanced Research Center, Nippon Dent. Univ., Sch. Life Dent. Niigata, ² Dept. of MicroBiol., Nippon Dent. Univ., Sch. Life Dent. Niigata, ³ Dept. of Histology, Nippon Dent. Univ., Sch. Life Dent. Niigata, ⁴ Dept. of Oral Biol., Hiroshima Univ., Grad. Sch. Biomed. Sci.)
P2-93	Biological affinities among the pre-Hispanic Peruvians: analysis of dental crown measurements ○Kitagawa Y ¹ , Manabe Y ¹ , Oyamada J ¹ (¹ Dept. of Oral Anatomy and Dent. Anthropology, Grad. Sch. of BioMed. Sci., Nagasaki Univ.)
P2-94	Genetic polymorphism of the antimicrobial peptide <i>DEFB1</i> in severe caries in pediatric patients ○Aoki H ¹ , Imamura Y ² , Wang PL ^{2,3} (¹ Dept. of Pediatr. Dent. Matsumoto Dent. Univ., ² Dept. of Pharmacol., ³ Dept. of Dent. Educ. Innov., Osaka Dent. Univ.)
P2-95	Analysis of migrating dendritic cells from dental pulp in regional lymph nodes ○Aramaki O ¹ , Bhiungare A ² , Ohno T ² , Zhang C ² , Tagami J ¹ , Azuma M ² (¹ Dept. Cariol & Operat Dent., Grad. Sch., Tokyo Med. Dent. Univ., ² Dept. Mol. Immunol., Grad. Sch., Tokyo Med. Dent. Univ.)
P2-96	Characterization of mesenchymal stem cells from impacted supernumerary teeth ○Shoi K ¹ , Aoki K ² , Oya K ² , Shimokawa H ¹ (¹ Dept. of Ped. Dent., Tokyo Med. Dent. Univ., ² Dept. of Pharmacol., Tokyo Med. Dent. Univ.)
P2-97	Calcification by phosphoserine and a cation dendrimer ○Fujisawa R ¹ , Tamura M ¹ (¹ Dept. of Oral Mol. Biol. and Biochem., Sch. Oral Mol. Biol. Biochem., Sch. Dent, Hokkaido Univ.)
P2-98	Localization of Vangl1 and Celsr1 in the rat incisors ○Nishikawa S ¹ , Kawamoto T ² (¹ Dept. of Biol., Tsurumi Univ. Sch. Dent. Med., ² Radioisotope Res. Inst., Tsurumi Univ. Sch. Dent. Med.)
P2-99	Identification of the cells expressed microsomal prostaglandin E Synthase -1 in inflamed pulps of rats ○Fukada T ¹ , Toen T ¹ , Hasimoto S ¹ (¹ Sect. of Radioisotopes Research, Res. Center for Odontology, Sect. of Life Dent. at Tokyo, The Nippon Dent. Univ.)
P2-100	Possible role of CCN3 protein during early chondrocyte differentiation ○Kawaki H ^{1,2} , Kubota S ² , Onoe I ^{1,3} , Kondo Y ^{1,3} , Kamiya M ¹ , Takayama E ¹ , Kondoh N ¹ , Takigawa M ² (¹ Dept. of Oral Biochem., Asahi Univ. Sch. Dent., ² Dept. of Biochem. and Mol. Dent. Okayama Univ. Grad. Sch. Med., Dent., and Pharm., ³ Dept. of Oral Implantol., Asahi Univ. Sch. Dent.)
P2-101	Immunohistochemical localization of Nox1 and Nox4 in osteopetrotic (op/op) mouse femur during endochondral ossification ○Ambe K ¹ , Kashiwabara Y ^{1,2} , Takahashi S ³ , Nakagawa T ¹ , Watanabe H ¹ (¹ Div. of Oral Histology, Dept. of Morphological Biol., Ohu Univ., Sch. of Dent., ² Dept. of Cell Biol. Oral Histology, Ohu Univ., Grad. Sch. of Dent., ³ Dept. of Oral Surgery, Ohu Univ., Sch. of Dent.)
P2-102	The elucidation of prevention mechanism of TGF-beta1 in the inflammation ○Okada S ¹ , Ochiai H ^{1,2} , Saito A ¹ , Azuma T ^{1,2} (¹ Dept. of Biochem. Tokyo Dent. Coll., ² Dept. of hrc8, Tokyo Dent. coll.)
P2-103	Bovine lactoferrin inhibits differentiation of osteoclasts and prevents bone loss in ovariectomized rats ○Ninomiya T ¹ , Hosoya A ² , Hiraga T ² , Koide M ¹ , Nakamura H ² (¹ Inst. for Oral Sci., Matsumoto Dent Univ., ² Dept. Hist. Cell Biol., Matsumoto Dent Univ.)
P2-104	The feasibility of gelatin hydrogels as a carrier of TNF and RANKL antagonist peptide on BMP-induced bone regeneration ○Mamun A ¹ , Khan M ^{1,2} , Alles N ¹ , Tamura Y ¹ , Ohya K ¹ , Aoki K ¹ (¹ Dept. Hard Tissue Engineering (Pharmacology), Grad. Sch. Tokyo Med. Dent. Univ., ² GCOE prog. Tokyo Med. Dent. Univ.)
P2-105	Effects of Laser irradiation on sclerostin expression in osteocytes ○Yokose S ¹ , Kadokura H ¹ (¹ Div. of Operat. Dent., Dept. of Conserv. Dent., Sch. Dent., Ohu Univ.)
P2-106	Interleukin-induced modulation of calcium currents in osteoblast cells ○Endoh T ¹ , Tazaki M ¹ (¹ Dept. of Physiol., Tokyo Dent. Coll.)
P2-107	Effect of histone deacetylase inhibitor on bone regeneration ○Akiba Y ¹ , Nozama M ¹ , Kaku M ¹ , Uoshima K ¹ (¹ Div. of Bio-Pros, Niigata Univ. Grad. Sch. of Med. and Dent. Sci.)
P2-108	Wnt6/beta-catenin signaling promotes osteoclast fusion by up-regulating DC-STAMP expression ○Amano S ¹ , Ohmori Y ¹ (¹ Dept. of Oral Biol. and Tissue Eng., Meikai Univ. Sch. Dent.)
P2-109	Application of HID-TCH-SP staining for the visualization of sulfated GAGs ○Kogaya Y ¹ , Watanabe R ¹ , Satoh K ¹ , Ejiri S ¹ (¹ Dept. of Oral Anat. Asahi Univ. Sch. Dent.)
P2-110	Disruption of NF-κB1 prevents bone loss caused by mechanical unloading ○Nakamura H ^{1,2} , Alles N ³ , Aoki K ³ , Masuda W ² , Fukushima H ² , Ohya K ³ , Maki K ¹ , Jimi E ² (¹ Dept. of Growth and Dev. for Function, Kyushu Dent. Coll., ² Div. of Molecular Signaling and Biochem., Dept. of BioSci., Kyushu Dent. Coll., ³ Sec. of Pharmacology, Dept. of Hard Tissue Engineering, Tokyo Med. Dent. Univ.)

P2-111	Processing of NF- κ B p100 plays an important role to regulate bone metabolism ○Osawa K ¹ , Fukushima H ¹ , Alles N ² , Aoki K ² , Zhang M ³ , Ohya K ² , Jimi E ¹ (¹ Div. of Mol. Signaling and Biochem., Dept. of Biosci., Kyushu Dent. Coll., ² Sect. of Pharmacol., Dept. of Hard Tissue Eng., Grad. Sch., Tokyo Med. and Dent. Univ., ³ Div. of Oral Pathol., Dept. of Biosci., Kyushu Dent. Coll.)
P2-112	Analysis of functional abnormality in Jansen type PTH/PTHrP receptor ○Shimomura-Kuroki J ¹ , Ryu Y ¹ , Matsuda K ¹ , Tanaka S ¹ , Oda K ² , Amizuka N ³ (¹ Dept. of Pediat. Dent., The Nippon Dent. Univ. Sch. Life Dent. at Niigata, ² Div. of Biochem., Niigata Univ. Grad. Sch. of Dent. Sci., ³ Dept. of Dev. Biol. of Hard Tissue, Grad. Sch. of Dent. Med., Hokkaido. Univ.)
P2-113	Expression of VE-cadherin and the induction mechanism in rheumatoid arthritic synovial fibroblast-like cells ○Yamazaki N ¹ , Sudoh H ¹ , Maeda G ¹ , Chiba T ¹ , Imai K ¹ (¹ Dept. of Biochem., Nippon Dent. Dent. Univ. Sch. Life Dent. at Tokyo)
P2-114	NF- κ B inhibits BMP2-induced osteoblast differentiation through the association of p65 with Smad4 ○Hirata-Tsuchiya S ¹ , Fukushima H ² , Katagiri T ³ , Morotomi T ⁴ , Aoki K ⁵ , Nagano K ⁵ , Ohya K ⁵ , Terashita M ⁶ , Jimi E ² (¹ Div. of PulpBiology, Operative Dent. and Endodontics, Kyushu Dent. Coll., ² Div. of Molecular Signaling and Biochem., Dept. of BioSci., Kyushu Dent. Coll., ³ Div. of Pathophysiology, Reseach Center for Genomic Med., Saitama Med. Univ., ⁴ Sec. of Operative Dent. and Endodontology, Fukuoka Dent. Coll., ⁵ Dept. of Hard Tissue Engineering (Pharmacology), Tokyo Med. Dent. Univ. Grad Sch. of Med. and Dent. Sci., ⁶ Div. of Comprehensive Dent., Kyushu Dent. Coll.)
P2-115	Function of <i>Foxc1</i> in calvarial bone development ○Machida A ^{1,2} , Okuhara S ¹ , Harada K ² , Iseki S ¹ (¹ Dept. of Mol. Cranio. Emb., Tokyo Med. and Dent. Univ., ² Dept. of Maxillofac. Surg., Tokyo Med. and Dent. Univ.)
P2-116	Deoxyadenosine cancels methotrexate-induced suppression of osteoclastogenesis and inflammatory bone destruction ○Qu P ¹ , Kukita A ² , Li Y ¹ , Watanabe T ¹ , Narimatsu K ¹ , Kukita T ¹ (¹ Dept. of Mol. Cell Biol. & Oral Anat. Fac. Dent. Sci., Kyushu Univ., ² Dept. Microbiol. Fac. Med., Saga Univ.)
P2-117	<i>In vitro</i> evaluation of the hard tissue formation ability of HMS0014 human mesenchymal cells in 3-D collagen gel cultures ○Nakatsuka M ¹ , Kumabe S ¹ , Hosoya A ² , An C ¹ , Ueda K ¹ , Inui-Yamamoto C ¹ , Matsuda Y ¹ , Iwai Y ¹ (¹ Dept. of Oral Anat., Osaka Dent. Univ., ² Dept. Oral Histology, Matsumoto Dent. Univ.)
P2-118	Influence of the weaning period on growth of condylar cartilage in a mouse ○Kagawa C ¹ , Furuyama A ² , Ohsuga K ² , Munakata Y ² , Shimamura K ¹ (¹ Dept. of Growth and Dev., Ohu Univ. Sch. Dent., ² Dept. of Oral Func. Molec. Biol., Ohu Univ. Sch. Dent.)
P2-119	The role of NF- κ B in the mandibular invasion by oral squamous cell carcinoma ○Tada Y ^{1,2} , Fukushima H ² , Osawa K ² , Jimi E ² (¹ Div. of Dent. Anesthesiol., Dept. of Control of Physical Function, Kyushu Dent. Coll., ² Div. of Molecular Signaling and Biochem., Kyushu Dent. Coll.)
P2-120	Hypothalamic Pituitary Adrenal (HPA) axis is essential for the regulation of both bone and fat metabolism ○Sato T ¹ , Enoki Y ¹ , Usui M ² , Yoda T ¹ (¹ Dept. of Oral and Maxillofacial Surgery, Saitama Med. Univ., ² Div. of Periodontology, Kyushu Dent. Coll.)
P2-121	Effect of zinc on alkaline phosphatase activity induction of osteoblastic-like cells MC3T3-E1 ○Toen T ¹ , Fukada T ¹ , Hashimoto S ¹ (¹ Sect. of Radioisotopes Research, Res. Center for Odontology, Sch. of Life Dent. at Tokyo, The Nippon Dent. Univ.)
P2-122	Novel mechanisms of direct bone demineralization by ameloblastoma cells ○Morita H ¹ , Yoshimoto S ^{1,2} , Nakamura S ³ , Hirata M ² , Abe K ¹ (¹ Special Patient Oral Care Unit of Kyushu Univ. Hosp., ² Lab. of Mol. Cell. Biochem., Fac. of Dent. Sci., Kyushu Univ., ³ Sect. of Oral Maxillofac. Oncol., Div. of Maxillofac. Diag. Surg. Sci., Fac. of Dent. Sci., Kyushu Univ.)
P2-123	Masseter fiber direction and its relationship with dietary habit in Indian gerbil ○Sato K ¹ , Watanabe R ¹ , Kogaya Y ¹ , Kubo K ² , Ejiri S ¹ (¹ Dept. of Oral Anat., Asahi Univ. Sch. Dent., ² Fac. of Rehabil. and Care, Seijo Univ.)
P2-124	Gene and protein expressions of vimentin and desmin during embryonic development of the mylohyoid muscle ○Kishi A ¹ , Yamamoto M ¹ , Abe S ¹ , Ide Y ¹ (¹ Dept. Anat. Tokyo Dent. Coll.)
P2-125	Morphological study of the angle between two terminal branches of the external carotid artery and their diameter ○Sakai Y ¹ , Sato T ¹ , Usami A ¹ , Fukai N ¹ (¹ Dept. Morphol. Biol., Ohu Univ. Sch. Dent.)
P2-126	Relationship between masticatory efficiency and bite size ○Shiozawa K ¹ , Okumura S ¹ (¹ Dept. of Physiol., Tsurumi Univ. Sch. of Dent. Med.)
P2-127	Deep part of the temporalis muscle in the rat ○Inoue K ¹ , Takahashi S ¹ , Yamada R ¹ , Ushijima N ² , Domon T ¹ (¹ Dept. of Oral Functional Anatomy, Grad. Sch. of Dent. Med., Hokkaido Univ., ² Lab. EM, Grad. Sch. of Dent. Med., Hokkaido Univ.)
P2-128	Expression of insulin-releasing hormone in mouse taste buds ○Takai S ¹ , Niki M ¹ , Yoshida R ¹ , Shigemura N ¹ , Ninomiya Y ¹ (¹ Dept. of NeuroSci., Kyushu Univ. Dent.)
P2-129	Evolution of miR-1, 133 target sites in pax gene family ○Ando H ¹ , Yamane A ¹ (¹ Dept. of Biophysics, Tsurumi Univ. Sch. Dent. Med.)
P2-130	Localization of type II and type III collagens in the mucosa of the rat tongue during the morphogenesis of lingual papillae ○Iwasaki S ¹ , Aoyagi H ² , Satoh Y ¹ (¹ Dept. of Physiol., Nippon Dent. Univ. Sch. Life Dent. Niigata, ² Advanced Res. Center, Nippon Dent. Univ. Sch. Life Dent. Niigata)