

The Forsyth Institute at IADR 2015

Wednesday, March 11th

Oral Session: BEHSR - Common Risk Factors (Chairs: Mary Tavares and Eliza Tran)

1:30 PM-3:00 PM, Meeting Room 313, Hynes Convention Center

- 1:30-1:45 H. E. Alqaderi*; M. Tavares; S. Almutawa; K. Behbehani; J. Goodson.
Short Sleep Duration as a Risk Factor for Obesity and Gingivitis in Kuwaiti Children.
- 2:00-2:15 M. Tavares*; L. Lian; A. Golden; V. A. DeArmas; K. Lake; A. O'Keefe; A. Tanner.
Healthy Weight Intervention in Dental Settings for 2 to 6 Year Olds.
- 2:30-2:45 L. Lian*; M. Tavares; A. Golden; V. De Armas; K. Lakes; A. O'Keefe; A. Tanner
Effective Obesity Prevention in Dental Settings through Healthy Weight Intervention

Oral Session: CAR5 - Impact of Oral Health Therapies on Oral Biofilms (Chairs: Yihong Li and Marianne Zsiska)

3:15 PM-4:45 PM, Meeting Room 313, Hynes Convention Center

- 3:15-3:30 Y. Li*; N. G. Herman; Z. Wang; P. T. So; Z. Chen; S. Cotton; A. S. Kokaras; B. Paster; A. M. Moursi
Effect of Intensive Fluoride Varnish Treatment on Oral Microbiota of Children with ECC

Thursday, March 12th

Oral Session: M/I – *Porphyromonas gingivalis*. (Chairs: Stuart Dashper, Anne Progulsk-Fox)

8:00 AM-9:30 AM, Meeting Room 207, Hynes Convention Center

- 8:15-8:30 A. Manosudprasit*; A. Kantarci; H. Hasturk; D. Stephens; T. Van Dyke
Porphyromonas gingivalis Delays Peripheral Blood Neutrophil Apoptosis

Oral Session: OMP – Biomarkers in Malignancy. (Chairs: Faizan Alawi, Abraham Schneider)

8:00 AM-9:30 AM, Meeting Room 102, Hynes Convention Center

- 8:00-8:15 M. Patel*; F. Teles; G. M. Soares; L. Valverde; S. A. Nishiyama; D. Stephens; K. Moss; A. Kantarci; E. Guinan
Inflammation and Oral carcinogenesis in Fanconi Anemia
- 8:30-8:45 L. Valverde*; F. Teles; M. Patel; G. M. Soares; S. A. Nishiyama; K. Krishnan; J. McCafferty; B. Paster; E. Guinan
Metabolomics and Microbial Profiling for the Study of Oral Carcinogenesis in Fanconi Anemia

Oral Session: PERIO-T – Bone Regeneration and Wound Healing (Chairs: Elena Calciolari, Nikolaos Donos)

8:00 AM-9:30 AM, Meeting Room 304, Hynes Convention Center

8:45-9:00 A. M. Price*; H. Hasturk; O. Nguyen; H. Barbu; A. Kantarci; T. E. Van Dyke
Healing Response to Cortical Block Graft in Crestal Augmentation

9:15-9:30 G. Eren*; A. Kantarci; A. Sculean; G. Atilla
Vascularization after treatment of gingival recession with platelet-rich fibrin or subepithelial connective tissue graft

Oral Session: M/I – Microbial Interactions (Chairs: J. Fenno, Phillipa White)

8:00 AM-9:30 AM, Meeting Room 103, Hynes Convention Center

9:00-9:15 R. T. Mendes*; D. Stephens; S. Kurgan; D. H. Nguyen; T. Van Dyke; A. Kantarci
Human Endothelial Cell Response to *Fusobacterium nucleatum*

Oral Session: PERIO D/E – Periodontal Research-Diagnosis/Epidemiology II (Chairs: Kimon Divaris, Ricardo Teles)

8:00 AM-9:30 AM, Meeting Room 306, Hynes Convention Center

8:15-8:30 J. Izard*; E. del Castillo; R. W. Benson; H. Hasturk
Multisite Signatures of Healthy and Periodontitis Oral Microbiomes

9:00-9:15 R. P. Teles*; J. Starr; P. Wang; D. Stephens; M. Cugini; R. Genco; P. M. Corby; M. N. Garcia; W. Giannobile;
H. L. Jared; X. Wang
A Systems Biology Approach to Identify GCF Biomarkers of Periodontal Disease Progression

Oral Session: MT – Animal Models for Inherited Craniofacial and Dental Diseases (Chairs: Brian Foster, Mary MacDougall)

10:45 AM-12:15 PM, Meeting Room 203, Hynes Convention Center

11:45-12:00 M. K. Pugach*; Y. Xia; J. D. Bartlett; C. Gibson
Truncated Amelogenin and LRAP Transgenes Improve Amelx Null Mouse Enamel

Oral Session: PERIO-P – Periodontal Microbiology (Chairs: Julie Marchesan, Flavia Teles)

10:45 AM-12:15 PM, Meeting Room 304, Hynes Convention Center

11:30-11:45 G. M. Soares*; R. P. Teles; M. Patel; L. Martin; K. Keerthana; J. McCafferty; F. Teles
An Ex-vivo Biofilm Model to Grow Difficult-to-Cultivate Subgingival Species

11:45-12:00 F. Teles*; M. Patel; G. M. Soares; L. Valverde; L. C. Brito; M. Minguez; L. Martin; S. Cotton; K. Krishnan; J. McCafferty; B. Paster; R. P. Teles
Validation of Next Generation Sequencing Approaches for Oral Microbiome Studies

Oral Session: SAL – Salivary Proteome, Microbiome and Exosomes (Chairs: Frank Oppenheim, Walter Siqueira)

10:45 AM-12:15 PM. Meeting Room 111, Hynes Convention Center

11:00- 11:15 D. Heller*; E. J. Helmerhorst; A. Gower; W. Siqueira; B. Paster; F. Oppenheim

Not-yet-cultivated Bacteria of in vivo Formed Early Dental Biofilm

Poster Sessions

2:00 PM-3:15 PM, Hall C, Hynes Convention Center

#1160 T. Yamaguchi*; J. Shin; M. Ruiz-Torruella; S. Kataoka; M. Murakoshi; T. Kawai
Macrophage Phenotypes in a Mouse Model of Chronic Periodontitis

#1165 D. Z. Miao*; M. Freire; T. Van Dyke; T. Miranda

Gene Expression Profile of Innate Immune Cells in Type-2 Diabetes

#1172 S. R. Vartoukian*; M. Lawlor; A. Adamowska; F. Dewhirst; W. G. Wade
Growth of 'Difficult-to-Culture' *Prevotella* Strain is Stimulated by Specific Siderophores

#1180 L. C. Brito*; M. Patel; A. Sette-Dias; P. P. Magalhaes; L. Farias; K. Moss; S. Cotton; K. Krishnan; J. McCafferty; B. Paster; A. Ribeiro-Sobrinho ; F. Teles
Exploring the Microbiomes of Different Types of Endodontic Infections

#1187 A. C. Konermann*; D. H. Nguyen; D. Stephens; A. Jäger; A. Kantarci
Regulation of G-amino-butyric Acid (GABA) Signaling in Periodontal Ligament Fibroblasts

#1331 T. Ishii*; M. Ruiz-Torruella; W. Wisitrasameewong; Y. Matsuda; A. Movila; T. Yamaguchi; K. Nishimura; E. Motegi; K. Sueishi; T. Kawai
Anti-OC-STAMP Monoclonal Antibody Inhibits Bone Resorption of Ligature-induced Mouse Periodontitis

#1214 C. M. Martins*; Í. O. Queiroz; J. Gomes-Filho; S. H. Oliveira; L. T. Cintra
Hypertension can Decrease Mineralization Tissue to MTA

#1309 J. SHI*; Z. LIU; Y. Zhou; X. Han
Effect of Orthodontic Movement in Recovery Phase of Experimental Periodontitis

Poster Sessions

3:30 PM-4:45 PM, Hall C, Hynes Convention Center

#1650 V. Klepac-Ceraj*; C. Murphy; H. Hasturk; L. Martin; D. H. Nguyen; M. Cugini; M. Patel; H. Sherzai; C. Roberts; B. J. Paster
Denture Microbiota Assessment by Molecular Methods and Cleanser Treatment Effects

#1651 D. H. Nguyen*; V. Klepac-Ceraj; H. Sherzai; C. Murphy; L. Martin; M. Cugini; B. Paster; H. Hasturk
New Methods to Determine Denture Biofilm Disinfection by Denture Cleansers

#1439 R. Francis*; J. Ariga; S. A. Al Mutawa; P. Soparkar; H. Nazar; M. Tavares
Non-Cavitated Dental Caries in Kuwait School Children

- #1562 A. Lang*; H. Hasturk; Y. Koroneos; T. Van Dyke; A. Kantarci
High Throughput Analysis of *P. Gingivalis* LPS-induced Macrophage MicroRNA Expression
- #1564 C. D. Johnston*; A. Matsui; C. Skeete; S. R. Rittling
Investigating the Role of β -Hemolysin/Cytolysins in *Prevotella Intermedia* Virulence
- #1701 W. Wisitrasameewong*; T. Ishii; Y. Matsuda; M. Ruiz-Torruella; T. Yamaguchi; A. Movila; D. Kim; R. Mahanonda; T. Kawai
Hyperlipidemic State Counteracts Ligature-induced Periodontal Bone Loss in Mice
- #1702 S. Arvikar*; H. Hasturk; K. Strle; D. Stephens; A. Steere; A. Kantarci
Inflammation in the Mouth and Joints in Rheumatoid Arthritis
- #1715 V. T. Euzebio Alves*; H. Hasturk; T. Van Dyke; M. Holzhausen; A. Kantarci
Protease-activated Receptor 2 and Neutrophil Superoxide Generation in Diabetic Periodontitis
- #1771 A. Albassam*; M. Howait; Y. Matsuda; T. Ishii; A. Movila; R. White; T. pagonis; H. Sasaki; L. F. Thompson; T. Kawai
Effects of Extracellular Adenosine on Mouse Model of Periradicular Periodontitis
- #1451 O. M. Bukhari*; K. Sohrabi; M. Tavares
Factors Affecting Patients' Adherence to Orthodontic Appointments

Friday, March 13th

Oral Session: M/I – *Streptococci* II (Chairs: Firas Al-Taweel, Justin Merritt)

8:00 AM-9:30 AM, Meeting Room 102, Hynes Convention Center

- 9:15-9:30 D. Stephens*; H. Hasturk; M. Tavares; A. Golden; C. A. Kressirer; A. C. O'Keefe; K. Lake; A. Tanner
Salivary Markers of Inflammation in Children with Early Childhood Caries

Oral Session: POHR – Caries Prevention, Microbiological and Biological Aspects of Oral Health (Chairs: Nina Anderson, Natalia Chalmers)

8:00 AM-9:30 AM, Meeting Room 110, Hynes Convention Center

- 8:30-8:45 T. Park*; P. Saraithong; K. Pattanaporn; Y. Li; A. S. Kokaras; B. Paster
Oral Microbial Diversity of Thai Children With Early Childhood Caries.

Oral Session: M/I – Clinical Oral Microbiology (Chairs: Wei Cao, Zhimin Feng)

10:45 AM-12:15 PM, Meeting Room 102, Hynes Convention Center

- 11:15-11:30 C. A. Kressirer*; V. A. DeArmas; A. P. Golden; A. O'Keefe; K. Lake; M. Tavares; A. Tanner
S. mutans and *S. wiggsiae* associated with ECC progression

Symposium – Effect of Aging on Gingival Tissue and Periodontal Disease (Chair: Hatice Hasturk)

10:45 AM-12:15 PM, Meeting Room 206, Hynes Convention Center

11:05- 11:25 A. Kantarci*

Aging gingival tissue: Molecular and structural changes.

Oral Session: MT – Osteogenesis and Odontogenesis (Chair: Adele Boskey, Chao Liu)

10:45 AM-12:15 PM, Meeting Room 203, Hynes Convention Center

12:00- 12:15 S. Rengasamy Venugopalan*; S. Kwak; Y. Yamakoshi; J. Simmer; H. Margolis

Role of Dephosphorylation of Native Amelogenins in Mineral Crystal Formation *In Vitro*

Poster Sessions

2:00 PM-3:15 PM, Hall C, Hynes Convention Center

AAHAT0027 M. Ruiz-Torruella*; T. Ishii; D. Kim; M. Gil; W. Wisitrasameewong; A. Movila; T. Yamaguchi; X. Han; T. Kawai

Anti-Semaphorin-4D mAb Prevents Bone Loss Without Affecting Inflammation in Mouse Periodontitis

AAHAT0002 C. Wang*; R. Colas; J. Dalli; H. Arnardottir; D. H. Nguyen; H. Hasturk; N. Chiang; T. Van Dyke; C. Serhan

Maresin1 Rescues Impaired Phagocyte Functions With Localized Aggressive Periodontitis Leukocytes

#2565 A. Movila*; L. Gunarajasimgam; T. Ishii; D. H. Nguyen; T. Van Dyke; T. Kawai

Recruitment of Circulating Osteoclast Precursor Cells in Titanium Microparticle-induced Osteolytic Lesion

#2629 H. Boisvert, M. Duncan

Interactions of Transglutaminase 2 With Porphyromonas gingivalis

#2633 A. Tanner*; C. A. Kressirer; V. De Armas; A. Golden; K. Lake; A. O'Keefe; K. Krishnan; S. Cotton; M. Tavares; B. Paster

Microbiota by HOMINGS and Caries and Obesity Measures in Children

#2640 C. Lee*; R. P. Teles; A. Kantarci; T. Van Dyke

Regulation of Inflammation and the Periodontal Microbiota

#2642 A. Kantarci*; R. T. Mendes; D. Stephens; D. H. Nguyen; T. Van Dyke

Hypoxia Modulates Endothelial Cell Function

#2646 L. Tian*; T. Sato; K. Niwa; G. Mayanagi; M. Kawase; A. Tanner; N. Takahashi

PCR-dipstick DNA Chromatography for Semi-quantitative Analysis of Oral Microbiota

#2651 J. C. Mougeot*; C. B. Stevens; M. T. Brennan; B. J. Paster; F. K. Mougeot

Analysis of Dental Plaque Microbiome: A Hierarchical Clustering Approach

#2653 C. Stevens*; P. Hanjra; S. Cotton; K. Krishnan; M. T. Brennan; P. B. Lockhart; B. Paster; J. C. Mougeot; F. K. Mougeot

Analysis of the Dental Plaque Microbiome: HOMINGS Versus HOMIM

- #2657 Z. Allahem*; A. Lacy-Hulbert; S. R. Rittling
Abscesses Form After Endodontic Infection in Mice Lacking AlphaV Integrins#2629
- #2664 B. P. Gomes*; V. B. Berber; A. C. Marinho; M. R. Passini; V. G. Pecorari; M. Feres; F. Teles; B. J. Paster
Microbial Profiles and Endotoxin Levels in Endo-periodontal Lesions

Poster Sessions

3:30 PM-4:45 PM, Hall C, Hynes Convention Center

- #3159 M. Freire*; J. Dalli; A. Kantarci; H. Hasturk; C. Serhan; T. Van Dyke
Resolution Receptors in Inflammatory Chronic Disease
- #3160 P. Chun*; M. Freire; D. H. Nguyen; T. Van Dyke
RvE1 Stimulates Calcium Mobilization Through the ERV-1 Receptor
- #3020 Z. Liu*; M. Lin; J. Lin; J. Beker ; G. Huang; Z. Wang; X. Han
Porphyromonas Gingivalis LPS Enhance CD40L-induced IL-10 Competency of Mouse B10
- #2949 L. Nassif*; A. Kantarci; D. Briss; M. Bamashmous; M. Masoud; L. A. Will
Salivary BMP-2 Levels and Tooth Alignment During Orthodontic Treatment
- #2952 L. Santana*; M. Bamashmous; A. Kantarci; L. A. Will
Maxillary Upper First Molar Changes in Buccolingual Angulation and Arch Width Before and After Eruption of Second Molars
- #3099 R. AlMnaiekh*; H. Nazar; S. Al-Mutawa; J. Ariga; P. Soparkar
Oral Health Practices in School Children With Stainless Steel Crowns
- IAHATT0031 R. Junges*; H. V. Rukke; H. A. Åmdal; T. Chen; F. C. Petersen
A New Pheromone in *Streptococcus mitis* Enhances Biofilm Formation
- IAHATT0034 T. Kiyama*; M. Tsuchiya; K. Nishimura; K. Sasaki; T. Kawai; Y. Endo
Prevention of Mouse BRONJ by an Inhibitor of Phosphate Transporters

Symposium: Clinical Impact of Periodontal Research: The Legacy of Anne Haffajee (Chair: Flavia Teles)

3:30 PM-5:45 PM, Meeting Room 302, Hynes Convention Center

- 4:40-4:55 H. Hasturk*
Novel Approaches to the Treatment of Periodontal Diseases

Saturday, March 14th

Oral Session: MT – Enamel: Formation, Mineralization and Regulation (Chairs: Henry Margolis, James Simmer)

8:00 AM-9:30 AM, Meeting Room 203, Hynes Convention Center

8:45-9:00 H. C. Margolis*; H. Yamazaki; S. Kwak

Role of Amelogenins in Regulating Enamel Mineral Formation *In Vivo*

9:00-9:15 M. Shin*; J. D. Bartlett

Matrix Metalloproteinase-20 Over-Expression Disrupts Ameloblast Cell-Cell Attachment and Induces Migration

9:15-9:30 P. Fang*; H. Margolis; J. Conway; J. Simmer; E. Beniash

Assembly and Mineralization of Phosphorylated Leucine-rich Amelogenin Peptide via Cryo-TEM

Oral Session: CRAN - Normal and Abnormal Craniofacial Development (Chairs: Brad Amendt, Erin Ealba)

8:00 AM-9:30 AM, Meeting Room 103, Hynes Convention Center

8:15-8:30 E. Vincelette*; E. Otarola-Castillo; A. Kantarci; M. Levin; P. Stashenko; L. A. Will

Assessment of mirror-image facial asymmetry in monozygotic twins

9:00-9:15 Z. Sun*; M. Moreno; N. Holton; L. Moreno-Urbe; P. Nopoulos; D. Thedens; F. B. Bidlack; B. A. Amendt

FoxO6 regulates hippo signaling to control craniofacial development and growth

Oral Session: PERIO-P – Periodontal Pathogenesis: Host-Bacterial Interactions (Chairs: Shauna Culshaw, Denis Kinane)

8:00 AM-9:30 AM, Meeting Room 304, Hynes Convention Center

8:30-8:45 E. Papathanasiou*; A. Kantarci; A. Konstantinidis; D. Stephens; H. Gao; T. Van Dyke

Suppressor of Cytokine Signaling-3 (SOCS-3) Regulates Macrophage Response to *Porphyromonas gingivalis*

8:45-9:00 S. Kurgan*; Y. Koroneos; D. Nguyen; H. Hasturk; T. Van Dyke; A. Kantarci

Strain Specific *F. nucleatum* Stimulation of Neutrophil Superoxide Generation

Symposium: The Mobile Oral Microbiome (Chairs: Robert Genco, Alpdogan Kantarci)

8:00 AM-9:30 PM, Meeting Room 207, Hynes Convention Center

8:00-8:20 G. Borisy*

Molecular Techniques for Studying the Oral Microbiome

Oral Session: PERIO-T – Photodynamic Therapy/Outcomes of Mechanical Periodontal Therapy (Chairs: Martin Levine, Anton Sculean)

10:45 AM-12:15 PM, Meeting Room 304, Hynes Convention Center

10:45-11:00 A. Le*; R. T. Mendes; D. Iscan; F. Pamuk; H. Hasturk; A. Kantarci

Human Osteoblast Response to Low-Level Laser Treatment

11:30- G. Emingil*; C. Pasali; A. Kantarci; D. Nguyen; D. Stephens
11:45

Single-Session vs Multiple Session SRP in the Management of Generalized Aggressive Periodontitis:
Clinical, Microbiological and Biochemical Outcomes

Oral Session: MT – Regeneration of Dental and Craniofacial Tissues (Chairs: Olivier Duverger, Caixia Lan)

10:45 AM-12:15 PM, Meeting Room 203, Hynes Convention Center

11:00- S. Kwak*; A. Litman; H. C. Margolis; Y. Yamakoshi; J. P. Simmer
11:15

Peptide-mediated Regeneration of Enamel Structure via Epitaxial Growth

Poster Sessions

2:00 PM-3:15 PM, Hall C, Hynes Convention Center

#4255 O. Nguyen*; H. Hasturk; H. Sherzai; M. Martins; C. M. Paxton; T. E. Van Dyke
A Newly-Designed Periodontal Pocket Irrigator (PPI) Improves Periodontal Health

#4091 J. Ball*; M. P. Walker; S. Mir; J. D. Bartlett; M. Shin; J. P. Gorski
Isolation of Enamel Matrix Proteins From MMP-20 Deficient Murine Molars

#4093 M. Suzuki*; C. Bandoski; J. D. Bartlett
Fluoride-induced Oxidative Cell Stress and Mitochondrial Damage

#4098 A. Ren*; Y. Xia; C. Gibson; M. K. Pugach
Quantifying Enamel Pigment Differences in Amelogenin Null and Transgenic Mice

#4101 X. Guan*; M. Shin; M. Xu; S. E. Millar; J. D. Bartlett
 β -Catenin May Function in Ameloblast Movement During Enamel Development

#4105 C. Bandoski-Gralinski*; M. Suzuki; J. D. Bartlett
4-PBA Increases Incisor Enamel Microhardness in Mice Exposed to Fluoride

#3890 H. Nazar*; J. Ariga; S. Al-Mutawa; P. Soparkar; M. Tavares
Prevalence of Sealants in Kuwait School Children

#3891 M. N. Boresly*; S. A. Al Mutawa; H. Nazar; J. Ariga; P. Soparkar; M. Tavares
Proximal Surface Dental Caries in Kuwait School Children

#4233 J. Hirschfeld*; M. Howait; W. Wisitrasameewong; S. Jepsen; J. Deschner; I. Bekeredjian-Ding; T. Kawai
Role of Macrophage Migration Inhibitory Factor in Periodontal Tissue Destruction

#4052 S. Borzangy*; C. Hayashi; T. Ishii; G. O. Gallucci; M. Suzuki; P. G. Coelho; T. Kawai
Effects of TLR Signaling on a Mouse Model of Ti-implant

#4058 L. Bomar*; S. Brugger; A. Mentzinger; K. P. Lemon
Corynebacterium Lipases Release Anti-pneumococcal Free Fatty Acids From Host-epithelial-surface Lipids

#3985 M. Casey*; M. Bamashmous; A. Kantarci; L. A. Will

Mandibular Incisor Crowding in Twins and Siblings, a Retrospective Assessment

- #4223 P. Wang*; D. Stephens; X. Wang; K. Moss; R. P. Teles
Detection of Novel Gingival Crevicular Fluid Biomarkers Using Multiplex Bead Immunoassays

Poster Sessions

3:30 PM-4:45 PM, Hall C, Hynes Convention Center

- #4478 H. Yamazaki*; E. Beniash; Y. Yamakoshi; J. P. Simmer; H. C. Margolis
Phosphorylation Affects the Secondary Structure of the Leucine-Rich Amelogenin Peptide
- #4496 K. Nishimura*; T. Kiyama; H. Mawardi; M. Kajiya; i. ichimoji; T. Kawai
Possible Role of gd-T Cells in Bisphosphonate-related Jaw Osteonecrosis
- #4421 R. Singh*; T. Hui; A. Matsui; S. R. Rittling
Osteopontin Regulates CXCR2 Expression and Neutrophil Recruitment in Endodontic Infection
- #4431 A. E. Duran-Pinedo*; J. Frias-Lopez
Deciphering *Tannerella Forsythia* role on Periodontium Destruction
- #4435 K. El Kholy*; D. Faibish; D. Stephens; T. Van Dyke
Resolvin E1 Mediates Bone Preservation Via Direct Action on Osteoblasts
- #4444 K. Hirai*; H. Sasaki
DMOG Attenuates Development of Periapical Lesions by Suppression of NF- κ B.
- #4367 M. Abdeldayem*; M. Bamashmous; M. Masoud; A. Kantarci; P. Stashenko; L. A. Will
Predicting Mandibular and Anterior Face Growth Using Cervical Vertebral Dimensions
- #4525 M. Hasegawa*; K. Mizutani; H. Nanbara; H. Kobayashi; Y. Izumi
Insulin Resistance Impairs Gingival Wound Healing Via PKC Activation
- #4299 S. K. Rai*; M. Tavares; L. Simon; S. Williams; A. Rampersad; Y. Yoo
Frequency of Medical Care and Prevalence of Chronic Diseases in Dental Patients Age 40
- #4558 M. Gokyu*; H. Kobayashi; N. Kawashima; Y. Ikeda; H. Nanbara; T. Sudo; T. Suda; Y. Izumi
Bacterial Evaluation in Periodontal-Endodontic Lesion
- #4578 D. Belstrøm*; N. Fiehn; C. Nielsen; V. Klepac-Ceraj; B. Paster; S. Twetman; P. Holmstrup
Differentiation of Salivary Bacterial Profiles of Subjects With Periodontitis and Dental Caries