

PRESENTATION SPEAKERS

Kaplan Scholar



Nico Geurs, D.D.S., M.S.
Chair, Periodontology, UAB

Dr. Nico Geurs is the Weatherford/Palcanis endowed professor and chair of periodontology at the University of Alabama at Birmingham. He received his dental degree at A.C.T.A., Free University of Amsterdam, The Netherlands, in 1992. Geurs completed his training in periodontology and his master's degree in clinical dentistry at UAB from 1992-1995. He is a Diplomate and serves as an examiner

of the American Board of Periodontology. He is committed to education in periodontology and implantology for both dental students and post-graduate students. Geurs was the director of the advanced education program in periodontology for 10 years and his research interests include periodontitis and systemic health, regeneration, bone grafting, and dental implantology. He has published and lectured extensively on these topics.

Research Keynote Speakers



Josephine Esquivel-Upshaw, D.M.D., M.S.
Associate Professor, Prosthodontics, UF

Dr. Josephine Esquivel-Upshaw is an associate professor in the Department of Restorative Dental Sciences Division of Prosthodontics at the UF College of Dentistry. Her research areas of interest include ceramics, dental materials, implants, wear of enamel and clinical research. Esquivel-Upshaw completed her dental degree from the University of the Philippines in 1991, and completed her

residency training in prosthodontics, a master's degree in advanced dental education and a certificate in prosthodontics from Northwestern University in 1994. In 2009 she completed a master's degree in clinical investigation at the UF College of Medicine. Esquivel-Upshaw is a journal reviewer for several dental journals, including Dental Materials and the Journal of Prosthodontics. She currently has collaborations with Chemical Engineering, Materials Science Engineering and the Institute of Food and Agricultural Sciences at UF.



Edward K.L. Chan, Ph.D.
Professor, Oral Biology & Anatomy and Cell Biology, UF

Dr. Edward Chan is a professor in the Department of Oral Biology at the UF College of Dentistry. He conducts state-of-the-art studies on the molecular and cell biology of RNA interference, and develops information on the linkage of microRNAs as biomarkers for oral cancer and premalignant lesions. Chan's research continues to enhance understanding of fundamental aspects of

microRNA-mediated gene regulation in oral cancer. He is also heavily invested in the application of chimeric antigen receptor T cell-mediated therapy for oral cancer. Chan was educated in Canada, earning his undergraduate degree in biochemistry from the University of British Columbia in 1976. He earned his master's in clinical chemistry in 1980 and his Ph.D. in immunopathology in 1984, both from the University of Calgary. From 1984-88, he was a research fellow at Scripps Research Institute in La Jolla, California, where his interest in cancer research started with studies on the diversity of the autoantibody responses in cancer.

TODAY'S SCHEDULE

7:00 to 8:00 a.m.

Breakfast & Check-in

Harrell MedEd Building, North Learning Studio (125)
Sponsored by UF CDE

8:00 to 10:00 a.m.

Kaplan Scholar Presentation (2 CEUs)

Implant maintenance and the prevention of peri-implantitis

Nico Geurs, D.D.S., M.S.

Harrell MedEd Building, North Learning Studio (125)

9:30 to 11:00 a.m.

Poster Presentations (Set up from 8:00 to 9:00 a.m.)

HPNP College of Nursing Atrium

11:00 a.m. to Noon

Research Keynote Presentation (1 CEU)

Harrell MedEd Building, North Learning Studio (125)

Factors affecting the survival of implant-supported ceramic | ceramic prostheses: a translational approach

Josephine Esquivel-Upshaw, D.M.D., M.S.

Oral cancer – early microRNA biomarker and novel CAR-T targeted therapy

Edward Chan, Ph.D.

Noon to 2:00 p.m.

ASDA Vendor Fair

Biomedical Sciences Building Atrium

Noon to 1:00 p.m.

ASDA Lunch (Vendor Fair passport required for students)

HPNP Reception Hall

Co-sponsored by the UFCD Dean's Office

1:00 to 4:00 p.m.

Oral Presentations (up to 3 CEUs)

12 presentations; four from each division

Harrell MedEd Building, North Learning Studio (125)

All awards will be announced the following week.

UF UNIVERSITY of
FLORIDA
College of Dentistry

UF COLLEGE OF DENTISTRY

2019 Spring Synergy

RESEARCH | CONTINUING EDUCATION | ASDA

Program for

MARCH 29, 2019

Poster Presentations

D.M.D. Category

1 Catherine Nicole Escoffier

Telomere shortening in early childhood in the Democratic Republic of the Congo

2 Ioanna B. Borissova

Effects of cannabis smoke and THC on orofacial pain sensitivity

3 Seung Jin Jang

Studying the evasion of host immune defense by KSHV viral proteins in gingival epithelial cells

4 Hyunseo Lee

Sex differences in pain sensitivity between controls and TMD cases

5 Alexandra Cabrera

Predictors of color perception in SiC coated dental ceramics

6 Priya Sabharwal

Characterizing clinical isolates related to *Streptococcus A12*

7 Leronne Perera

Preliminary structural characterization of *Streptococcus mutans* antigen A

8 Yara Abdelaziz

Investigating environmental and bacterial factors that influence PPAD activity

9 Nicholas Chung

Time interval between completion of endodontic and restoration at UFCD. A retrospective study

10 Rachit Patel

Assessing oral health knowledge in pregnant adolescents

M.S./Resident Category

11 Rekha Reddy

Central schwannoma of mandible: a report of three cases

12 Lan La

The impact of orthodontic treatment on oral health-related quality of life in adults: long term follow up after fixed orthodontic appliance therapy or invisalign treatment

13 Estela L Truzman

The development of an extracellular vesicle isolation protocol for gingival crevicular fluid

14 Gabrielle Zuzo

Nocebo-induced hyperalgesia in an animal model, a pilot study

15 Katie Freeman

Initial presentation of a posterior arch discrepancies in repaired complete UCLP

16 Niranzana Panneer Selvam

Atypical spindle cell neoplasm of the jaw mimicking a benign lesion- a rare case report

17 Michelle Briner Garrido

Retropharyngeal internal carotid artery: a review of three cases

18 Terry M. Adair

Oral malignant melanoma: case report in a female

19 Abrar A. Alamoudi

Chronic recurrent multifocal osteomyelitis involving the mandible

20 David Gemmell

VACTERL with associated Pierre Robin sequence

21 Saja Alramadhan

A retrospective study of buccal mucosal salivary neoplasms

22 Faraj Alotaiby

Assessment of MDM2 amplification by fluorescence in-situ hybridization in juvenile active ossifying fibroma

23 Shanker Venkateshwaran

A retrospective case series of secretory carcinoma of the oral cavity: analysis of four cases

24 Mauricia Brown

Quantitative analysis of cement removal

25 Nickolas Diodati

Characterization of the viable-but-not-culturable state in the oral pathogen *Streptococcus mutans*

26 Alexandre Dean

Quantitative evaluation of biofilm removal by two different 3-D rotary file systems

27 Jacob Otis

Uninstrumented canal walls following two rotary systems evaluated by nano-CT

28 Monique Belin

Evaluation of efficacy of 3-D file systems in the removal of gutta percha and sealer in retreatment procedures using nano-CT technology

29 Nicholas Shuff

Rare presentation of a radicular cyst with review of literature

30 Cleo B Vidican

Chondroblastic osteosarcoma of the maxilla in Li-Fraumeni syndrome- a case report

Ph.D./Postdoctoral/Graduate Category

31 Augusto Rodrigues Lima

Detection of *Streptococcus mutans* glycoprotein Cnm in endodontic infections

32 Lauren Roberts

ID2 functions as a potent host restriction factor for KSHV lytic replication

33 Fernanda Rocha

Porphyromonas gingivalis sphingolipids immunomodulate macrophages response

34 David Brice

Establishment of nucleo-cytoplasmic trafficking assay for the viral proteins of HHV-8

35 Patricia Lara Vasquez

Interactions of protein translocation machinery components of *Streptococcus mutans*

36 Sakthivel Ravi

Chronic *Treponema denticola* infection on regulation of Amyloid- β plaques in APP-TgCRND8 mice model of Alzheimer's disease

37 Surabhi Mishra

Dissecting structure/function relationships of *Streptococcus mutans* membrane protein chaperones/insertases YidC1 and YidC2

38 Aravindraja Chairmandurai

Oral bacteria *Porphyromonas gingivalis* accelerating Amyloid- β plaques and neuropathological markers in APP-TgCRND8 mice model of Alzheimer's disease

39 Shivani Kundra

The second messenger cyclic-di-AMP in *Enterococcus faecalis* is essential for stress survival

40 Mahmoud Mona

Impact of anti-muscarinic type three receptor autoantibodies on Sjögren's syndrome diagnosis and secretory dysfunction

Faculty/Staff Category

41 Brenda Thacker

Practitioners' value of promotional items and activities in the National Dental PBRN

42 Deborah McEdward

Effects of National Dental PBRN meeting discussions on practitioner opioid prescribing intentions

43 Thomas Hong Nguyen

Genome-wide screen identifies novel switch mechanisms of oncogenic viral gene expression programs

44 Natalia Acosta

Association of *Streptococcus mutans* and *Candida albicans* with ECC recurrence

45 Upoma Guha

In vitro analysis of dental erosion caused by commercial vegetable juices

46 Katherine Glickman

Understanding the role of FOXQ1 and FOXF2 in host-viral interactions of the oral cavity

47 Joyce C Morales Aparicio

Lipidomic and proteomic evaluation of extracellular membrane vesicles *Streptococcus mutans* wild-type, Δ srtA and Δ sfp strains

Undergraduate Category

48 Anthony Sperduto

Screening for novel gene products required for sucrose-mediated biofilm formation in *Streptococcus mutans* with an arrayed transposon mutant library

49 Nikhita Yadlapalli

Fusobacteria induce immune evasion of oral cancer cells

50 Shina Patel

Oral care in children with cystic fibrosis

51 Nhi Pham

Investigation of IMPDH filament formation in head and neck cancer cell proliferation

52 Madeline Howe

CD70 is a potential target for chimeric antigen receptor T cell therapy in head and neck squamous cell carcinoma

53 Charmi Shah

Kava prevents smoking-mediated bone loss by modulating the uncoupling bone remodeling

54 Rachael Marley

Collaborative assessment and care in pediatric oral health: connecting dentistry and dietetics

55 Brook Richard

Inhibition of *Streptococcus mutans* cell signaling by commensal streptococci

56 Sebastian Ocampo

Evaluation of amyloidophilic dyes for functional amyloid identification in *Streptococcus mutans* biofilms

Judges

A special thank you to our judges who volunteered to score presentations for Spring Synergy:

Jacqueline Abranches, Ph.D.; Jeannine Brady, Ph.D.; Carlos Ribeiro Camargo, D.D.S., Ph.D.; Sasanka Chukkapalli, Ph.D.; Margarete Ribeiro-Dasilva, D.D.S., M.S., Ph.D.; Mary Ellen Davey, Ph.D.; Ana Dias Ribeiro, D.D.S., M.S., Ph.D.; Josephine Esquivel-Upshaw, D.M.D., M.S.; Monica A. Fernandez, D.D.S., M.S.; Jorge Frias-Lopez, Ph.D.; Frank Gibson, Ph.D.; Jaana Gold, D.D.S., Ph.D.; Shannon Holliday, Ph.D.; Nadim M. Islam, D.D.S., B.D.S.; Jessica Kajfasz, Ph.D.; Kesavalu Lakshmyya, B.V.Sc., M.Sc., S.C.C.; Jose Lemos, Ph.D.; Marianella Natera-Fernandez, D.M.D., M.D.S.; Bernadett Papp, Ph.D.; Andre Reis, D.D.S., M.S., Ph.D.; Zsolt Toth, Ph.D.

Oral Presentations

1:00-1:05 Robert Burne, Ph.D., Welcome

D.M.D. Category

1:05-1:15 Naeem Motlagh

Identification of an intricate link between the notch signaling pathway and gamma-glutamyltransferase 6 for efficient reactivation of an oral herpesvirus

1:20-1:30 Carson Smith

Characterization of gamma-glutamyltransferase 6, a novel notch signaling pathway partner

1:35-1:45 Callahan Katrak

Characterization of manganese transporters in *Streptococcus mutans*

1:50-2:00 Rosemarie Torres-Medina

Detection of extracellular vesicles in gingival crevicular fluid

Ph.D./Postdoctoral/Graduate Category

2:05-2:15 Danielle M. Vermilyea

Peptidylarginine deiminase modulates *Porphyromonas gingivalis* biofilm development

2:20-2:30 Gopal Naik Nenavath

Maintaining viral latency of human tumor herpesviruses by cellular epigenetic factors

2:35-2:45 Tridib Ganguly

Transcriptional and posttranscriptional control of the *Streptococcus mutans* oxidative stress regulators SpxA1 and SpxA2

3:00-3:10 Gavin J. Golas

Anti-viral immunity through the viral interferon regulatory factors of KSHV

3:15-3:25 Kyulim Lee

Exploring novel probiotic mechanisms of *Streptococcus A12* with functional genomics

M.S./Resident Category

3:30-3:40 Abdulaziz Banasser

CAMTA 1 and TFE 3 confirmation of oral cavity epithelioid hemangioendothelioma

3:45-3:55 Abeer Hakam

The effect of antidepressant medication on periodontal health and stability- a clinical retrospective study