

2017
Spring Edition

[Office of Research](#)

Burne Elected Member-at-Large to AAAS Dentistry Section



Published: January 11, 2017

Robert A. Burne, Ph.D., associate dean for research and chair of the UF Department of Oral Biology, was recently elected by the American Association for the Advancement of Science (AAAS) as a member-at-large to the section on Dentistry and Oral Health Sciences.

The AAAS is an international non-profit organization dedicated to advancing science, engineering and innovation throughout the world for the benefit of all people.

Burne, distinguished professor at UF, will serve a four-year term with the AAAS that runs February 21, 2017, to February 15, 2021.

As a member-at-large on the Dentistry and Oral Health Sciences Section, Burne's responsibilities include serving on the Section Committee to help organize and arrange dental contributions to AAAS meetings, while undertaking various special projects and activities.

Members-at-large additionally serve on the section committee's Steering Group which serves a number of different functions, among them taking action on policy matters, appointing a section secretary and filling vacancies in the section.

Burne's primary research interests are in the molecular mechanisms governing the ability of bacteria that are capable of causing diseases in humans to modulate their virulence in response to environmental influences. Most recently, Burne and UFCD colleague Marcelle Nascimento, D.D.S., Ph.D., [identified a new strain of bacteria in the mouth that may keep bad bacteria in check — and could lead to a way to prevent cavities using probiotics.](#)

Burne, who accepted the role of associate dean for research at UFCD in 2010 and was named distinguished professor in 2011, earned his undergraduate degree in microbiology from Pennsylvania State University in 1981, then went on to earn his Ph.D. in microbiology and immunology from the University of Rochester in 1987.



UF College of Dentistry Students Travel to San Francisco to attend the American Association for Dental Research

The 2016 Summer Research students traveled to San Francisco for AADR's General Session. Represented were: Natalie Ateyo, Ryan Clance, Laura Londono, Josh Lovelace, Megan Menashe, Ly Nguyen, Eric Raninowitz, Steven Spoto, and Denise Webb, administrative assistant for the Office of Research.



Spring Synergy 2017

Research
Continuing Education
American Student Dental Association

Poster Winners

Category	Name	Title
PhD/Post Doc - 1st Place	Justin Kaspar	Use of SPINE technology for identification of protein-protein interactions in <i>Streptococcus mutans</i>
PhD/Post Doc - 2nd Place	Danielle Vermilyea	Determining how an endogenous peptidylarginine deiminase modulates <i>Porphyromonas gingivalis</i> biofilm development
DMD - 3rd Place	Amanda Mullersman	miR146a expression regulates LPS hyper-responsiveness in localized aggressive periodontitis
DMD	Kyulim Lee	Antagonism of <i>Streptococcus mutans</i> by oral commensal clinical
MS/Resident	Cassandra Iglesias	AcceleDent® and Invisalign Smartrack™ aligners: a multicenter, retrospective, cohort study
MS/Resident	Natalia Acosta	Association of <i>Streptococcus mutans</i> and <i>Candida albicans</i> with early childhood caries recurrence

Oral Competition Winners

Category	Name Place	Title
PhD/Post-doc	Gavin Golas - 1st	Dysregulated viral sensing by intestinal epithelial cells derived from non-obese diabetic mice.
PhD/Post-doc	Sansanka Chukkadalli - 2nd	TLR 2- and 4- dependent mediated signaling are critical in periodontitis and atherosclerosis.
MS/Resident	Aaron Scheps - 1st	Stainless steel crowns versus resin-based restorations on permanent first molars.
MS/Resident	Karina Miller - 2nd	Retrospective radiographic analyzes of localized aggressive periodontitis in primary dentition and its clinical characteristics.
DMD	Taylor Vracar - 1st	Enoxacin and bis-enoxacin stimulate GW Body formation, microRNA levels, and alter regulatory exosomes produced by murine breast cancer cells.
DMD	Natalie Ateyo - 2nd	TLR2/4 dependency of microRNA expression in murine polymicrobial infection-induced periodontitis.

Natalie Ateyo Wins 2017 DENTSPLY Award



Leslie du Plooy (DENTSPLY Representative) and Natalie Ateyo



NIH News

- Highlights of the new application instructions:

<https://nexus.od.nih.gov/all/2017/01/04/take-a-look-at-our-new-application-instructions/>

- New Peer Review Videos for Applicants and Reviewers: <https://nexus.od.nih.gov/all/2017/02/03/new-peer-review-videos-for-applicants-and-reviewers/>

The following two articles were copied from Mike Lauer's email, via an Update from the NIH Office of Extramural Research to the external biomedical EXTRAMURALNEXUS@list.nih.gov

On Behalf Of NIH Extramural Nexus (NIH/OD) March 2017

Dr. Michael Lauer is NIH's Deputy Director for Extramural Research, serving as the principal scientific leader and advisor to the NIH Director on the NIH extramural research program.

[Following Up On Interim Research Products](#)

Posted on March 28, 2017 by Mike Lauer

"The role of preprints — complete and public draft manuscripts which have not gone through the formal peer review, editing, or journal publishing process — continues to be a hot topic in the biological and medical sciences. In January, three major biomedical research funders — HHMI, the MRC, and the Wellcome Trust, changed their policies to allow preprints to be cited in their progress reports and applications. Thinking about preprints also raises questions about the broader class of interim research products, and the role they should play in NIH processes. Other interim products include products like preregistration of protocols or research methods, to publicly declare key elements of a research project in advance. While, under current policy, NIH does not restrict items cited in the research plan of an application, applicants cannot claim preprints in biosketches or progress reports. So, in October, we issued a call for comments to get a fuller understanding of how the NIH-supported research community uses and thinks about interim research products. Today I'd like to follow up with what we've learned from your input, and the policy changes this feedback suggests". [Continue reading →](#)

[Outcomes of Amended \("A1"\) Applications](#)

Posted on March 23, 2017 by Mike Lauer

"In a previous blog, we described the outcomes of grant applications according to the initial peer review score. Some of you have wondered about the peer review scores of amended ("A1") applications. More specifically, some of you have asked about amended applications getting worse scores than first applications; some of you have experienced amended applications not even being discussed after the first application received a priority score and percentile ranking. To better understand what's happening, we looked at 15,009 investigator-initiated R01 submissions: all initial submissions came to NIH in fiscal years 2014, 2015, or 2016, and all were followed by an amended ("A1") application"... [Continue reading →](#)



UF NEWS

Data Management Plan Tools for UF Faculty

Data Management and Curation Working Group (DMCWG) 4th DMP Training Workshop


The following link will take you to the presentation.

UF Informatics Institute


Funding agencies are responding to the current increase in data-centered and data-driven research by requiring that researchers think ahead about the work and data flows in their proposed projects and to document this in a data management plan. University of Florida researchers can draw upon institutional infrastructure and expertise in developing these plans. The Smathers Libraries and UFIT Research Computing are taking the lead in supporting researchers in their efforts to create solid data management plans in order to become more competitive in getting proposals funded. Presentation link:

<http://ufdc.ufl.edu/AA00014835/00087>

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