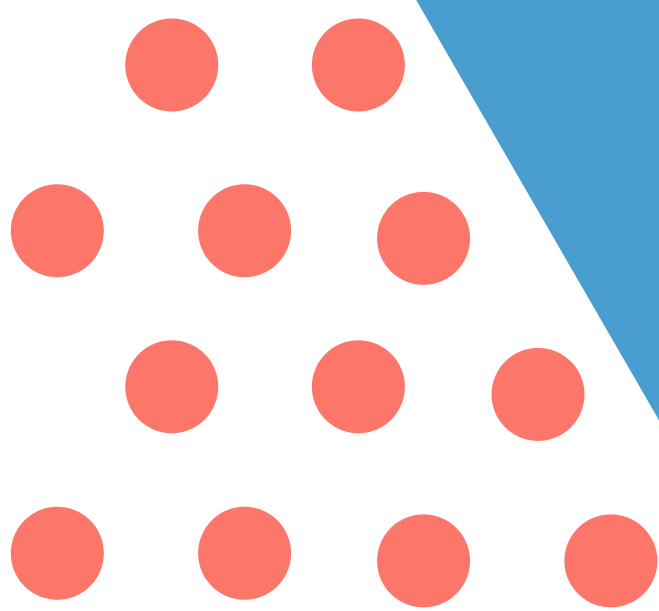
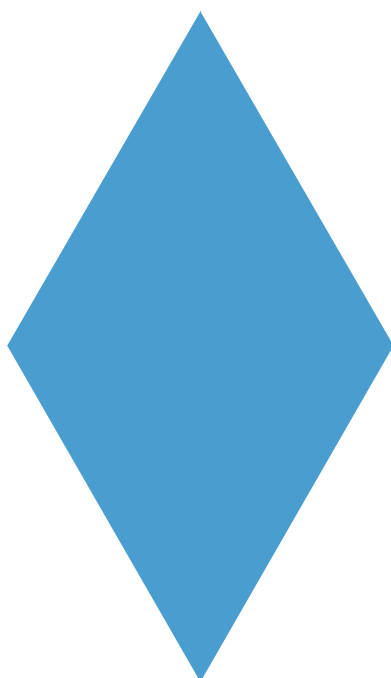
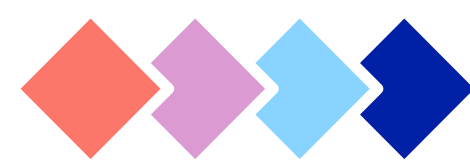


SPRING SYNERGY  
RESEARCH DAY

Friday Schedule



MARCH 31 | HPNP AUDITORIUM

7:00 - 8:00 a.m.

Participant Breakfast and Registration  
HPNP Reception Hall

8:00 - 8:05 a.m.

Dr. Robert L. Kaplan Legacy  
HPNP Auditorium 1404

8:05 - 10:00 a.m.

Robert L. Kaplan Scholar Lecture: Dr. Lee Ann Brady  
*Occlusion in Everyday Dentistry*  
HPNP Auditorium 1404

10:15 - 11:00 a.m.

Research Keynote Lecture: Dr. Yenisel Cruz-Almeida  
*Understanding Pain and Aging Interactions Using Artificial Intelligence*  
HPNP Auditorium 1404

11:00 - 1:00 p.m.

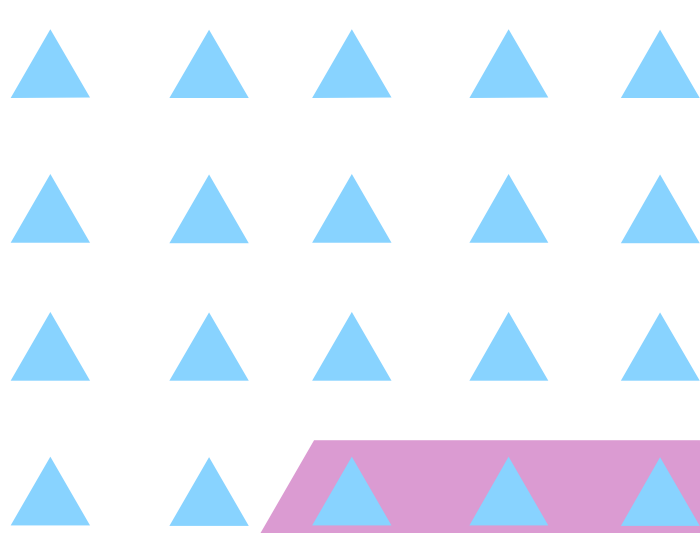
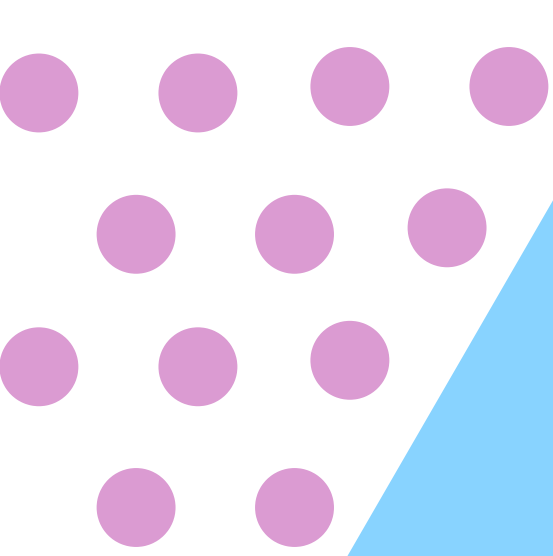
Poster Presentations | Sponsored by Office of Research  
HPNP Reception Hall

12:00 - 1:00 p.m.

Lunch | Sponsored by ASDA  
HPNP Courtyard

12:00 - 2:00 p.m.

Vendor Fair | Sponsored by ASDA  
Biomedical Sciences Building Lobby

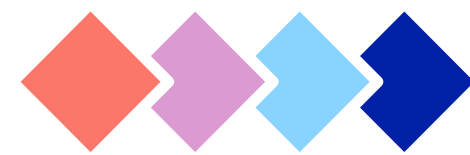




SPRING SYNERGY

RESEARCH DAY

Poster Presentations



PRE-DENTAL/UNDERGRADUATE

- 1

**ROXANA GARCIA**  
*Effectiveness and Color Stability of a New Whitening Tooth Varnish*
- 2

**PRITIKA PATEL**  
*Spectral Analysis and Performance of a Multi-Wave LCU with Different Accessories*
- 3

**TIMOTHY CASSELLA**  
*Polymerization Kinetics of a Dental Resin-Based Composite Using Different Light Curing Protocols*
- 4

**LAUREN EPSTEIN**  
*Curing Efficiency of Light-Cured Resin Cement through Lithium Disilicate Ceramics with Different Translucencies and Thicknesses*
- 5

**SAMANTHA ROBBINS**  
*Polymerization Shrinkage Stress of New Universal Composite Prototypes*
- 6

**MELISSA CHARRET-MCGUINNESS**  
*Two-body wear resistance of universal and bulk fill composites – A Pilot Study*

DMD

- 7

**KRISHNA VEKARIYA**  
*Periodontal Bacterial Intravascular Dissemination After Monobacterial Oral Infection in Mice*
- 8

**DINA DESAI**  
*Nanotube diameter influence on antibacterial properties of SiC coated implants*
- 9

**BENJAMIN MARUSKO**  
*Macrophage Plasticity and Inflammatory Response Variations to Porphyromonas gingivalis*
- 10

**ALICE CHAN**  
*The Role of Different Carbon Sources on Fungal-Bacterial Interactions*
- 11

**THOMAS KOBY**  
*Predicting Degree of Conversion of Resin-based Composites using Neural Networks*
- 12

**ANIESSA HOLLAND**  
*Candida albicans is Associated with Root Caries in Older Adults*
- 13

**PETER NOVOTNY**  
*Oxycodone Reward in Rats*
- 14

**BRAN CROWTHER**  
*Influence of ceramic shade and thickness on the degree of conversion of light-cured resin-based cements*
- 15

**JENNA STEPHANY**  
*High Sensitivity CIP2A Detection for Oral Cancer Using a Rapid Transistor-Based Biosensor Module*
- 16

**RAAFI ZAMAN**  
*Mechanical Properties of new 3D-printed Resins Used for Sports Mouthguards*
- 17

**MILES TURNER**  
*The use of lattice design to tune the mechanical properties of 3D-printed sports mouthguards*
- 18

**ARIYANA SHETTY**  
*Exploring Extracellular DNA and Amyloid Location within Streptococcus mutans Biofilms*

MS/RESIDENT

- 19

**DAVID JENSEN**  
*A novel method for predicting the efficacy of oral appliance therapy in obstructive sleep apnea: A pilot study*
- 20

**PRISCILLA CARPENTER**  
*Invasive Cervical Resorption – A Look at Hygiene as a Potential Predisposing Factor and An Evaluation of Prevalence Among Surface, Quadrant, and Classification within Various Patient Demographics*
- 21

**CODY P. BERTOCH**  
*A CBCT Analysis of MB2 Canal Morphology in Maxillary Second Molars*
- 22

**JESSICA GARCIA**  
*Frequency of Patients Returning to Finish Root Canal Therapy in the University Setting*
- 23

**SHAWKI ABED**  
*Comparison Between NOR-1 and DOG-1 Immunohistochemistry Staining in the Diagnosis of Salivary Acinic Cell Carcinoma*
- 24

**VANESSA SCHUSSLER**  
*The Influence of Training on Shade-Matching Skills of Dental Providers: A Literature Review*
- 25

**ANDREW JATTAN**  
*The Molecular Effects Of Various Pulp Capping Materials on Human Pulpal Fibroblast: A Proteomics-Systems Biology Study.*
- 26

**SHIMAA HATHAN**  
*Biaxial Flexural Strength of CAD/CAM materials*
- 27

**RENATA NAKAGAWA-LENCIONI**  
*Transmittance Analysis of Blue and Red Lights through CAD/CAM Lithium Disilicate Ceramics*
- 28

**MUNEERA ALMEDAIRES**  
*Effect of Clinical Experience on the Accuracy of Shade Selection: A Literature Review*
- 29

**ADDI A. YIN**  
*Implementation of a quality assurance protocol for digital dental radiographic sensors at the University of Florida College of Dentistry*
- 30

**GHAIDAA BADABAAN**  
*Efficacy of the Introduction of Clinical Ultrasonography in Oral and Maxillofacial Radiology Residency curriculum.*
- 31

**RAUL PEREZ**  
*A Prospective, Observational Clinical Study of the Safety, Effectiveness and Clinical Benefits of the T3 Dental Implant System*
- 32

**ALMAS BINNAL**  
*Applications Of ChatGPT In The Radiographic Diagnosis Of Osteoradionecrosis: A Radiological Validation Study*
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**DENA ABDERBWIH**  
*Salivary gland ultrasonography revealing probable Sjogren’s syndrome patients with glandular dysfunction: A pilot study*
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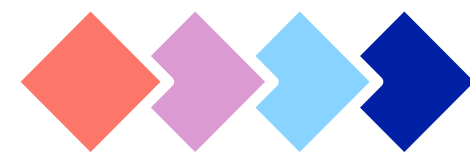
**KRUNAL PAREKH**  
*Effectiveness of the use of an AI training module in radiographic diagnosis of caries*



SPRING SYNERGY

RESEARCH DAY

Poster Presentations



PHD/POSTDOCTORAL

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**DEBRA BRUNSON**  
*The importance of iron acquisition to Enterococcus faecalis virulence is host niche dependent*
- 36

**STEVEN PRATSCHER**  
*Conscious Connected Breathing with Breath Retention for Adults with Chronic Low Back Pain: A Randomized Controlled Pilot Study*
- 37

**NICHOLAS DE MOJANA DI COLOGNA**  
*The Pgf Glycosylation Machinery Performs a Wide Range of Roles in Streptococcus mutans Pathobiology*
- 38

**SYAM JEEPIPALLI**  
*Oral Sirochete Treponema Denticola Infection Reveals Unique miR-486, miR-126-3p, miR-126-5p miRNA Expression Kinetics during Periodontitis*
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**ARIANA BRICE-TUTT**  
*Evaluation of Cannabidiol and Oxycodone Combinations on Operant Pain- and Reward-Related Behaviors in Rats*
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**SEUNG JIN JANG**  
*Gene regulatory roles of vIRFs in KSHV infection*
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**NATALIE ATYEO**  
*KSHV Infection Degrades Antiviral Factors FOXK1/2 in Oral Epithelial Cells*
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**SOAMY MONTESINO GOICOLEA**  
*Epigenetic difference between insomnia group and non-insomnia group in participant with knee pain*
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**ZAVIER EURE**  
*Investigating the Role of MyD88 as a Target in Porphyromonas gingivalis Sphingolipid-mediated Immunomodulation*
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**ALEXANDRA M. PETERSON**  
*Characterization of a Novel Zinc Export System in Streptococcus mutans*
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**MCKENZIE SPIRES**  
*Viral Hijacking of Host E3 Ubiquitin Ligases to Promote KSHV Lytic Cycle*
- 46

**SEE-CHI LEE**  
*Hypoxia Prevents the Establishment of Latency And Promotes Lytic De Novo KSHV Infection*
- 47

**ADRIANA G. MORALES RIVERA**  
*Characterization of a surface-associated c-di-AMP phosphodiesterase in Enterococcus faecalis*
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**ALEENA RAJEEV**  
*Impact of Forkhead Factor FOXQ1 on the Non-Homologous End-Joining Pathway Complex*
- 49

**MARLEY PALMER**  
*Establishing Novel Viral Tools to Evaluate Functional Interactions of KSHV Tegument Protein ORF45 with Host Epigenetic Factors*
- 50

**CALLAHAN KATRAK**  
*Partners in Grime: Exploring the role of catalase in synergism between Candida albicans and Streptococcus mutans*
- 51

**ANNE CAROLINE DA SILVA ROCHA**  
*Synthesis and Characterization of Poly (Lactide) Systems Containing Zr-Ag Core-Shell Nanoparticles*
- 52

**GABRIELA PEGUERO KUSHNER**  
*Characterization of Gamma-glutamyltransferase 6 Protein in Breast Cancer*

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**ALESSANDRO LEO**  
*BAP1 Binds to KSHV Lytic Replication Compartments and Promotes the Lytic Cycle*
- 54

**ALISA JOHNSON**  
*Biobehavioral and Psychosocial Factors Predicting Pain Reporting in Adults with Chronic Musculoskeletal Pain*

Judges

PRE-DENTAL/UNDERGRADUATE JUDGES

- ▶ Dr. Jeannine Brady
- ▶ Dr. Jessica Kajfasz
- ▶ Dr. Dayane Oliveira
- ▶ Dr. Bernadett Papp
- ▶ Dr. Fernanda Rocha

DMD JUDGES

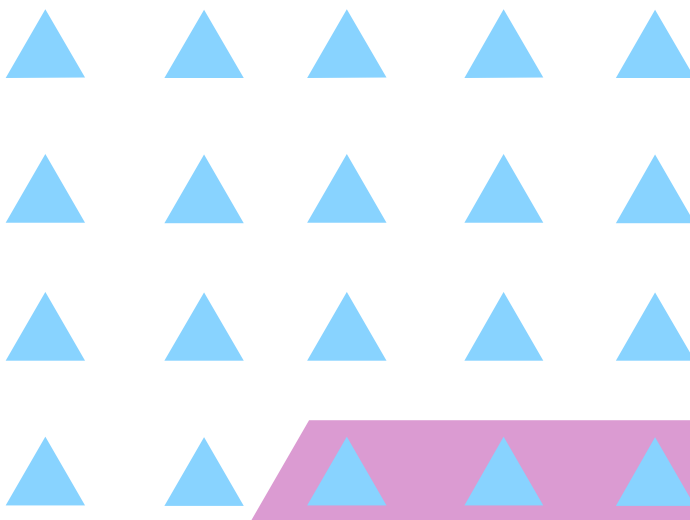
- ▶ Dr. Bruna Garcia
- ▶ Dr. Shannon Holliday
- ▶ Dr. Indaia Soares Leibovitch
- ▶ Dr. Niall Murphy
- ▶ Dr. Lin Zeng

MS/RESIDENT JUDGES

- ▶ Dr. Jacqueline Abranches
- ▶ Dr. Clinio Cerrud
- ▶ Dr. Nicole Fiallos
- ▶ Dr. Surabhi Mishra
- ▶ Dr. Zsolt Toth

PHD/POSTDOCTORAL JUDGES

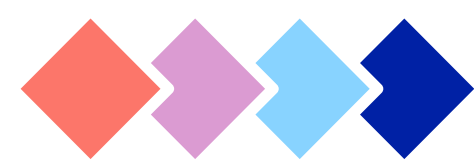
- ▶ Dr. Astrid Daher
- ▶ Dr. Nadeem Khan
- ▶ Dr. Louise Morais
- ▶ Dr. Edna Perez
- ▶ Dr. Ana Dias Ribeiro





SPRING SYNERGY  
RESEARCH DAY

Keynote Presentations



DR. ROBERT L. KAPLAN SCHOLAR



*Occlusion in Everyday Dentistry*

**DR. LEE ANN BRADY**

Director of Education,  
The Pankey Institute

Owner, Desert Sun Smiles Dental Care

RESEARCH KEYNOTE PRESENTATION

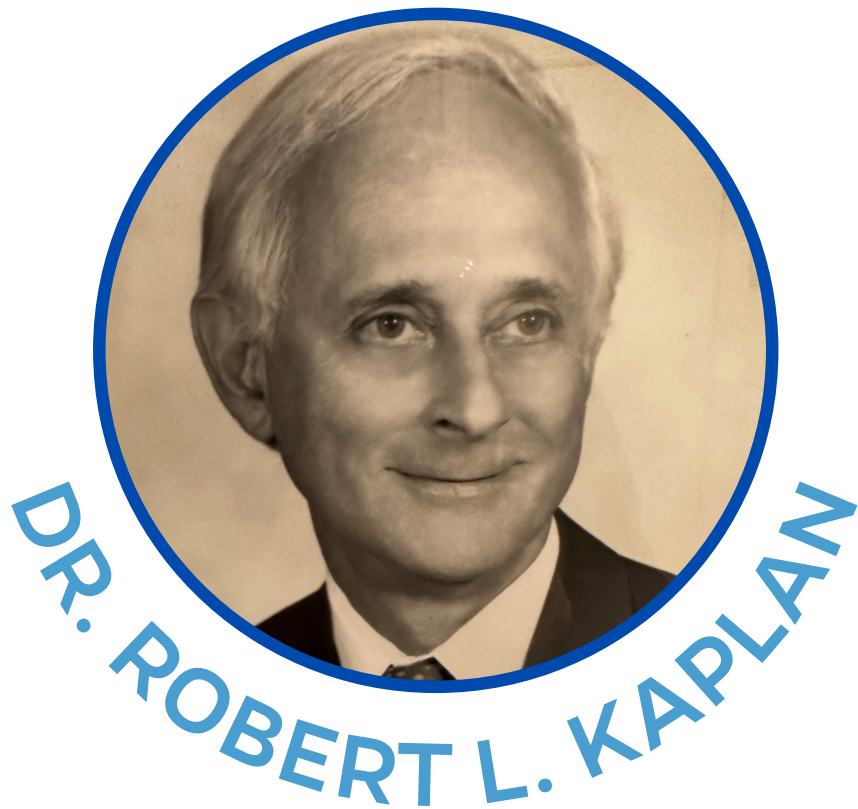
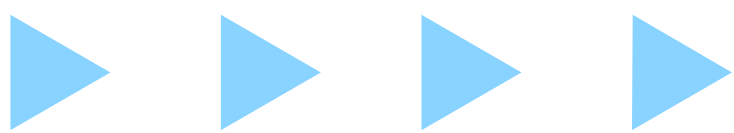


*Understanding Pain and Aging  
Interactions Using Artificial Intelligence*

**DR. YENISEL CRUZ-ALMEIDA**

Associate Director, Pain Research &  
Intervention Center of Excellence

Associate Professor, UFCD



*Dr. Robert L. Kaplan Legacy*

Spring Synergy and the Robert L. Kaplan Scholar presentation are annually supported by the Robert L. Kaplan Visiting Professorship Fund. Robert L. Kaplan, D.D.S., past president of the American Academy of Restorative Dentistry, was the chairman of the Dental Advisory Committee in 1969 that was instrumental in making the case to the Florida Legislature for a dental school in the state of Florida, thus playing a critical role in establishing the UF College of Dentistry. The South Florida Dental Association sponsored a campaign to establish the visiting professorship honoring Dr. Kaplan after he passed away in 1989. Dr. Kaplan was the keynote speaker at our college's first commencement ceremony in 1976, and a copy of his speech can be read on [www.dental.ufl.edu](http://www.dental.ufl.edu).

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