

## IADR INTERNATIONAL ASSOCIATION FOR DENTAL, ORAL, AND CRANIOFACIAL RESEARCH EDUCATION RESEARCH

# **Educational Research Group (ERG)** Newsletter

# Hi ERG Members,

Thank you for your participation and interest in the IADR ERG over the past years. Please, see below what has been happening with the ERG.

# **Letter from President**



Dear ERG Members,

It has been a privilege to serve as a President of the Educational Research Group. I am delighted to share with you our second Educational Research Group Newsletter in 2023 after a very successful meeting in Bogota. This city was exciting and vibrant with rich heritage culture and amazing sightseeing and fruits!! During this meeting, the ERG held 6 symposia, workshops and a focused learning session and judged the presentation prizes for staff and Students - more on that in the newsletter!

Michael Botelho **ERG President** 

I am happy to introduce to you our regional representatives who have been appointed over the past year to support and help the ERG group in growing its expertise and networking to enhance dental research. Welcome to: Samantha Byrne from the University of Melbourne, Martin Zemel from The University of FASTA, Melanie, Nasseripour from the University of King College, Se-Lim Oh from the University of Maryland, and Rohit Menon from the University of Ajman.

In our Portland newsletter we welcomed a number of new members to the group at the meeting, and we are delighted to have reports from three new members at different stages in their careers - welcome Jacob, Francisca and Rohit to the ERG!

We are greatly looking forward to meeting you in New Orleans in March 13-16th 2024 (https://www.iadr.org/2024iags) and please do make sure you come to the Networking and sharing session and reception for the ERG on 5.30-6.30 on the Thursday in Room 295. This is followed by the reception will be in the same room from 6.30-7.00!

The IADR General session for 2025 will be in the beautiful City of Barcelona, please mark 25-28th June in your calendar now! Do also consider what sessions you would like to propose for this conference! Please do speak to me or any other executive to find out more about how to host a symposium

https://www.iadr.org/24IAGSSessionProposalGuidelines

Thank you for your continued support, and I am honored to serve as your president and look forwards to supporting Jonathan San Diego our incoming president after New Orleans 2024.

With kind regards

Michael Botelho

DISCOVER • NETWORK • ADVANCE



MARCH 13-16, 2024 NEW ORLEANS, LA, USA

102<sup>nd</sup> General Session & Exhibition of the IADR 53<sup>rd</sup> Annual Meeting of the AADOCR 48<sup>th</sup> Annual Meeting of the CADR

# **CALL FOR ERG Grant applications**

The Education Research Group (ERG) of the International Association for Dental Research (IADR) cordially invites its active members to participate in our grant application program. We are dedicated to supporting innovative projects aimed at advancing and disseminating effective teaching and learning methods within the field of dental education.

This year 2024, we are pleased to offer grant funding of up to \$2,500 to ERG member(s). The grant awardee(s) will be publicly announced by the ERG Executive Board, both through the ERG newsletter and during the 2024 IADR Annual Meeting.

We kindly request that all grant awardees contribute to the scholarly exchange within our community by authoring an article for the ERG newsletter. This article should be submitted within a year of receiving the grant award, offering insights and sharing knowledge gained through the awarded project.

For further information on the grant application submission process, guidelines, and eligibility criteria, please visit https://www.iadr.org/awards/iadreducation-research-group-grant.

We look forward to your innovative ideas and contributions to furthering the field of dental education.

# Meet the new ERG member, Jacob Chew Ren Jie



I am Jacob, a junior faculty member at the National University of Singapore. I became increasingly involved in tutorials and small group teaching during the pandemic amid the classroom paradigm shift. This new context differs greatly from my own experiences as a student, making it difficult to correlate with the students and be an effective teacher. Recognizing the potential of AI tools like ChatGPT, I felt the need to reevaluate my current approaches to education. That's when I stumbled upon this workshop, and I was eager to explore if it could offer valuable insights on how to methodically address these issues.

I am thrilled to say that this workshop proved to be an excellent introduction to designing educational research, effectively transforming what could be an intimidating subject into an engaging and interactive learning experience. Dr.

Byrne, a skilled facilitator, led the workshop and provided a clear and easily comprehensible set of signalling questions that acted as a roadmap for our discussions. These questions not only guided our exploration of educational research but also fostered fruitful exchanges among the diverse group of attendees. It was fascinating to witness the wide range of experiences and seniority levels represented in the workshop, as it brought forth a multitude of perspectives and enriched our discussions.

One aspect that particularly stood out was the reassurance offered by senior colleagues who had faced similar challenges when embarking on their educational research journeys. Their shared experiences provided a comforting reminder that we are not alone in our struggles, and it instilled confidence in our ability to overcome obstacles.

I wholeheartedly recommend it to other junior faculty members who are interested in educational research and seeking a comprehensive yet approachable introduction. The workshop's ability to break down complex concepts, foster an inclusive learning environment, and provide practical guidance has been invaluable to me, and I am certain it will greatly benefit others as well!

# Meet the new ERG member, Francisca Velasquez



My name is Francisca Velasquez and I am currently a PhD candidate in Dental and Health Sciences in the Faculty of Dentistry, Oral & Craniofacial Sciences at King's College London. I received my degree in General Dentistry in Chile and a MSc in Maxillofacial and Craniofacial Technology at King's; all my training has provided me with a holistic perspective on the dental profession, shaping my academic interests and leading me to my current studies about the visual and social perception towards individuals with visible facial differences.

I recently had the pleasure of attending the IADR General Session in Bogota to present some of my ongoing research. It was my first time presenting at a conference, and fortunately, it was a wonderful experience. The educational

research group session and reception were welcoming and inclusive events, with academics at all career stages offering helpful advice about my current project, sharing their expertise, and even discussing potential collaborations.

Being a member of this inviting community of scholars was mind-opening and incredibly inspiring; by being exposed to a plethora of knowledge and perspectives, my commitment to work in partnership with other professionals was strengthened. I firmly believe that through these connections we can advance the field of dental education and innovation, which are fundamental for the development of new generations of well-rounded dental professionals.

# Meet the new ERG member, Rohit Menon!



My name is Rohit and I currently work as an Assistant Professor in Prosthodontics at the College of Dentistry, Ajman University, Ajman, UAE. I completed my PhD from the University of Hong Kong in 2018, following which I have acquired teaching and clinical experience in Malaysia and UAE.

I completed a postgraduate certificate in health professions education from Malaysia which helped me to understand teaching methodologies, assessments and other domains in education. My research focusses on clinical learning for undergraduate dental students by employing "Think Aloud" techniques and interactive videos. I chair the committee on innovation and compassion in teaching

and learning at Ajman University. The committee organized a workshop on educational research and teambased learning in 2023 which was conducted by the IADR ERG president Dr. Michael Botelho.

Being a member of the IADR, ERG provides a platform for me to organize similar events, train faculty and share my research findings through publications and conferences.

## Executive Board Members President: Michael Botelho President-Elect: Jonathan San Diego Vice-president: Laura Gartshore Vice-president Elect: Alexanda Pierre-Bez Secretary/Treasurer: Maria Dolce Councilor: Man Hung Directors: Kim Piper, Barry Quinn

**Regional Representatives**: Se-Lim Oh, Samantha Byrne, Melanie Nasseripour, Martin Zemel, Rohit Menon

Group Programme Chair: Tracy de Peralta Focused Learning Session Organizer and ELAP Volunteer: Michael Botelho Hands-on Workshop Organizer: Michael Botelho Proposal Coordinator: Jonathan San Diego



ERG 2023 Officers at Bogota



## IADR ERG has recently welcomed its first student representatives.

Congratulations to Faith Campbell, Dundee, and Amir Mukhtar, Liverpool who represent the Pan European region and to Tala Maragha, Vancouver, who represents the North American region.

# **2023 IADR Annual Meeting held at Bogota**



Congratulations to all who presented at the 2023 IADR meeting! Presentations at the Interactive Short Talk Sessions were as follows.

Approaches to Delivery of Learning and Simulation Learning Objective: To understand the differences in learning delivery and the role of simulation within the curriculum Education towards the restoration of oral and physical health Learning Objective: Understand approaches to the education of restoration of oral and physical health

## **Prize Winners: Research In-Focus**



Miss Faith Campbell, Dr Helen Rogers and Professor Kirsten Jack are a multiprofessional team undertaking research based at the University of Sheffield on reflective practice. We were delighted to receive the International Association for Dental Research (IADR), Education Research Group (ERG) Grant for 2020.

This was awarded by the ERG to assist in co-creating and implementing an intervention to facilitate deep reflection with undergraduate dental students. The award followed a presentation at the IADR

2020 on our qualitative research into the efficacy of using a clinical logbook to facilitate deep reflection for undergraduate dental students at the end of the clinical session. We found that reflection was valued by undergraduate dental as a mini counselling session to explore emotions associated with the clinical learning experience and therefore aid in deeper learning(1). However, the clinical logbook was not seen as an effective way of facilitating this.

This necessitated the development of an intervention to develop a more effective way of doing so. Co-creation was chosen as an approach. The intended outcomes of deep reflection such as exploration of emotions associated with the learning experience, and support of personal and professional development, are closely related with and supportive of outcomes of co-creation. Co-creation is a "reciprocal process through which all participants have the opportunity to contribute equally, although not necessarily in the same ways, to curricular or pedagogical conceptualization, decisionmaking, implementation, investigation, or analysis". A co-creation partnership is beneficial for student and educator engagement in the research process. Documented benefits for students, include increased motivation and ownership for learning, increased sense of confidence and self-awareness, as well as a sense of belonging to university, discipline and community being some of the most important positive outcomes of the practice [21]. It has also been reported that student co-creators develop skills that increase employability [22]. Students can also feel that they have greater agency over their education.

A core co-creation team of the researchers and five undergraduate dental students, have worked alongside a wider team that involves other stakeholders within the institution, including clinical teachers, members of the Dentistry Portfolio team and Student Support Lead. We have developed an intervention that incorporates sustainable online educational resources to support students and educations in engaging in deep reflection. These resources have been developed by undergraduate dental students, with support from the Peer Assisted Learning team and will be available at all times online. This is to prepare students to reflect and to allow them to explore this at a time most suited to them.

Secondly an online portal has been developed as a safe, private space for students to reflect away from the clinical environment. This allows students to explore their emotions and reflect deeply without risking self-censorship which is often experienced in an open environment at the end of a clinical session. This also separates reflection from assessment, which we know is a disharmonious combination. Students are able to upload reflection in any format and the grant funding is helpful in providing supplies to facilitate more creative means of reflection such as art.

Funding is also greatly appreciated for facilitating the evaluation of this intervention through both qualitative and quantitative data. We look forward to present at IADR 2024 and plan to publish these data.

# Please Visit the ERG-sponsored and other education Sessions at the March 2024 Meeting

Туре	Organiser Title	Ту	ре	Organiser	Title	
Satellite Symposium	Advancing Behavioral and Social Sciences in Dental Education Globally Organizer(s): Cameron L. Randall, and Casey D. Wright, Marquette University, University of Washington, USA	Sy	mposium	Why Worry about Who, What, Where, When and How Much? Organizer(s): Gloria Mejia, Adelaide Dental School, The University of Adelaide		
Workshop	ChatGPT and Large Language Models in Dental Education and Research Organizer(s): Hanan Omar, A.T. Still University Health Sciences, USA	Sy	mposium	the Spotlight Organizer(s): Harim Tav	dents and Post-docs in eres Dos Santos, University of : Joao Ferreira and Kimberly	
Workshop	Students as Partners in Research, Education and Service Organizer(s): Viv Binnie, University of Glasgow, UK	Sy	Symposium	Partnership in Heal Strengthening Organizer(s): Jenny Gall UK, and Jane Barrow, Ha Medicine, USA	agher, King's College London,	
Symposium	Virtual Reality and Haptics Simulation Enhancing Learning Clinical Competence Organizer(s): Jonathan San Diego (King's Colleg London, UK); Analia Veitz Keenan, NYU Dentistry, USA	Sy	mposium	Groups Organizer(s): Joelle Boo	page Underrepresented th, University of Plymouth & of London; Julia Hurry, Queen	
Symposium	Designing a Nutrition Curriculum for Oral and Systemic Health Organizer(s): Michael Botelho, University of Hong Kong, Teresa <u>Marshall</u> and Riva Touger- Decker	Sy	Symposium	- · · ·	earch Edgar Baumeister, University nd Gustavo G. Nascimento,	
Symposium	Big Data in Oral Health: Innovations and Applications Organizer: Bunmi Tokede, UTHealth Houston, and Jane Barrow, Harvard School of Dental Medicine	Sy	mposium	Education: Impleme Invasive Dentistry in	in Innovative Dental entation of Minimally nto Curriculum an, Queen Mary University of	

The Education Research Group engages scholars involved with the exploration of oral health education aiming at informing, developing and shaping oral health curriculum, assessment, educational policy and dental students' environment and journey worldwide.

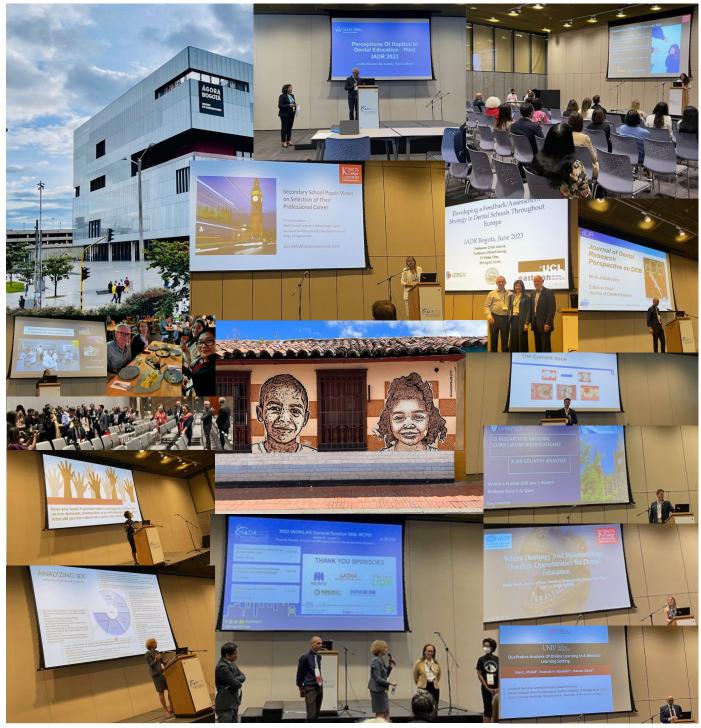
## IADR Education Research Group Best Presentation Awards

The Education Research Group (ERG) Best Presentation Awards are given to the oral or poster presentation judged to be the best in the ERG sessions at the Annual General Session and Exhibition of the International Association for Dental Research (IADR). Usually one award is given to the best student presentation and one award to the best faculty presentation. Presentations are judged by ERG members.

#### AWARD PRIZE

Student Award: \$400 Faculty Award: \$600

# ERG in action at IADR - Bogota



We would like to show some of you in action at the next IADR 2024 at New Orleans. Please send your lovely photos to any of the ERG Officers.

## Please visit the selected Oral and Poster Presentations from the ERG

23

Hana Cho

### Wed, Mar 13

Oral Session

## Innovation in Learning

10:15am-11:45am Mar 13 (Central)

Session ID: 0031 CE Credit Hours: 1.5

Innovation in Learning

#### Learning Objectives:

After completion of this oral session the participant will be aware of new innovationas and technology to support learning and assessment

#### Session Organizers & Hosts:

#### Hana Cho - Chair

Presentations

Presentation Oral Session	Special Care Dentistry Outreach Training: From Hospital to Community Serv 10:15am-10:30am Mar 13 (Central)	ices			
Presentation F Oral Session (	3D Printed Models in Undergraduate Endodontic Education	23 📕 Razi Jalali			
Presentation Oral Session	Artificial Intelligence in Dental Education: a Scoping Review 10:45am-11:00am Mar 13 (Central)	23 📕 Sarah Aziz			
Presentation Oral Session	Tooth Library: Multimodal Datasets and Specimens for Education and Resea 11:00am-11:15am Mar 13 (Central) B	arch 23			
Presentation Oral Session	Attitudes and Needs Regarding Patient Safety Among Dental Students 11:15am-11:30am Mar 13 (Central)	23 📕 Chen-Yi Lee			

#### Sat, Mar 16

9:00am-9:15am Mar 16 (Central)

9:15am-9:30am Mar 16 (Central)

Oral Session Presentation

23 Oral Assessment in Learning Oral Session 8:00am-9:30am Mar 16 (Central) Deborah Jones, Se-Lim Oh Session ID: 0282 CE Credit Hours: 1.5 Oral Assessment in Learning Learning Objectives: · After completing this oral session, the participant will be able to understand and apply skills relevant to the assessment of learning Session Organizers & Hosts: Se-Lim Oh - Chair Baltimore, United States Deborah Jones - Chair Baltimore, United States 23 Oral Session Student Skills Development in Periodontal Instrumentation: a Longitudinal Ob... Presentation 8:00am-8:15am Mar 16 (Central) Se-Lim Oh 23 European Teachers' Perceptions of Dental Student Assessment Practices Presentation Oral Session 8:15am-8:30am Mar 16 (Central) Chris Louca 23 Oral Session Presentation Improving OSCE Quality Using Empirical Learning Progressions for Standard S... 8:30am-8:45am Mar 16 (Central) Clare McNally 23 Oral Session Presentation Comparison of Dental Accreditation Beween China and the United States 8:45am-9:00am Mar 16 (Central) Junzhuo Lu 23 Oral Session The Effect of an E-Learning Course & Complexity Assessment Tool on the Ass... Presentation

Correlation Between Student Performances on Formative and Summative Ass...

Shakil Umerji

Deborah Jones

23

## Thu, Mar 14

Poster Session

Academic and Student Affairs

3:45pm-5:00pm Mar 14 (Central)

Session ID: 0150

CE Credit Hours: 1.25

Academic and Student Affairs

### Learning Objectives:

· Attendees will learn about current research related to academic and student affairs

## Session Organizers & Hosts:

## Samantha Jane Byrne - Chair

Presentation	Poster Session	Editors-in-Chief Publishing in Their Dental Journal During Service: Ethical Dile	23	Presentation
Presentation	Poster Session	Emotional/Mental Health Assessment of UPR Dental Students During COVID 3:45pm-5:00pm Mar 14 (Central) Jennifer Jimenez	23	Presentation
Presentation	Poster Session	Dental Trauma Education in North America Dental Schools: Educators' Survey 3:45pm-5:00pm Mar 14 (Central) Liran Levin	23	Presentation
Presentation	Poster Session	Reflections on the Introduction to Dental Implants in Preclinical Education: a Q	23	Presentation
Presentation	Poster Session	Design and Implementation of Community Service Learning in Dental Curricul 3:46pm-6:00pm Mar 14 (Central) Abbas Ali Jessan	23	Presentation
Presentation	Poster Session	Association of Sleep Quality With Academic Performance Among Undergradu 3:45pm-5:00pm Mar 14 (Central) Kamyar Baghen	23	Presentation
Presentation	Poster Session	Empowering Adolescents to Identify Reliable Health Information Online: Preli 3.45pm-5.00pm Mar 14 (Central) Ana Luiza Peres Bald	23	
Presentation	Poster Session F	Barriers and Enablers for Student Practitioners Within a Work-Integrated Lear 3:45pm-5:00pm Mar 14 (Central) Dileep C G Sha	23 rma	
Presentation	Poster Session	Impact of COVID-19 on Learning Cariology Through Gameful Learning 3:45pm-5:00pm Mar 14 (Central) Akaash Pisi	23 pati	
Presentation	Poster Session	Tolerance Evaluation of King Abdulaziz University Dental Students Towards Pa 3:45pm-5:00pm Mar 14 (Central) Aseel Ac	23 Iawi	
Presentation	Poster Session	Enhancing Simulation Laboratory Learning Through Music Therapy 3:45pm-5:00pm Mar 14 (Central) Abhay V	23 /ora	

Challenges for Dental Education Under Pandemic: a Qualitative I	ongitudinal D	23
3:45pm-5:00pm Mar 14 (Central)	Hans-Jürgen W	enz
Integrating Algorithmic Development to Research Recruitment: B	Building a Ne	23
3:45pm-5:00pm Mar 14 (Central)	Mojtaba J	avid
Understanding Critical Thinking Skills in Entering Pre-Doctoral D	ental Students	23
3:45pm-5:00pm Mar 14 (Central)	Michele White, D.I	D.S.
Is it the Taking Part That Counts? Research With Students.		23
3:45pm-5:00pm Mar 14 (Central)	Faith Camp	bell
A Five-Year Review of State Dental Board Disciplinary Actions		23
3:45pm-5:00pm Mar 14 (Central)	Phorum D	esai
Improving Digital Health Literacy in Adolescents: a RCT Prelimin	ary Results	23
3:45pm-5:00pm Mar 14 (Central)	Fernanda Morais Ferr	eira



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Samantha Jane Byrne

## Fri, Mar 15

Poster Ses

Assessment in Learning

11:00am-12:15pm Mar 15 (Central)

Session ID: 0198 CE Credit Hours: 1.25

Assessment in Learning

#### Learning Objectives:

· Attendees will learn about assessments in learning as it relates to education research

## Session Organizers & Hosts:

Liran Levin - Chair

University of Alberta, Edmonton, Canada

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	Poster Session	COVID-19 Pandemic's Impact on Academic/Clinical Performance of PR Dental	23	tion
	Poster	11:00am-12:15pm Mar 15 (Central) Sofia Vega Berr	ios	Presentation
	ession	Self-Regulated Learning and Preparation for a Flipped Classroom	23	u o
	Poster Session	11:00am-12:15pm Mar 15 (Central) Samantha Jane By	ne	Presentation
	asion	Dental Education in Nursing Schools: a Pan-Canadian Study	23	
	Poster Session	11:00am-12:15pm Mar 15 (Central) mika he	ler	Presentation
	ession	Effectiveness of Blended Learning in UG Periodontal Training: a Systematic R	23	
	Poster Session	11:00am-12:15pm Mar 15 (Central) Quinten Ash	on	Presentatio
	ession	Assessing Trends for Developed INBDE Questions: a Dental School Experience	23	u
	Poster Session	11:00am-12:15pm Mar 15 (Central) Kyle Wri	ght	Presentati
	ession	Effectiveness of Virtual Learning Environments for Teaching Tooth Morpholog	23	
Poster Session		11:00am-12:15pm Mar 15 (Central) Akash Pa	itel	Presentati
	Poster Session	Impact of Pre-Class Activities on Student Performance in Pharmacology Educ	23	
	Poster S	11:00am-12:15pm Mar 15 (Central) Bruce D. G	itter	
	ession	Maryland Dental Research Program: Nurturing Future Educators and Research	23	
	Poster Session	11:00am-12:15pm Mar 15 (Central) Kadedra Bro	own	
101	asion	Developing an Innovative Competency-Based Dental Curriculum With an Inclu	23	
	Poster Session	11:00am-12:15pm Mar 15 (Central) Ana Maria Acevedo	, Dr	
101	asion	Knowledge and Awareness of Obstructive Sleep Apnea Among Dental Students	23	
	Poster Session	11:00am-12:15pm Mar 15 (Central) Melissa I	Hsu	
	asion	Preclinical Implant Practice Innovation: a Pilot Study	23	
	Poster Session	11:00am-12:15pm Mar 15 (Central) Carl Wacke	er, II	

Image Credit to Michael Botelho Photo taken at IADR in Bogota

Concordance of Judgment: a Tool for Teaching Professionalism in Dentistry	23
11:00am-12:15pm Mar 15 (Central) Maximu	e Ducret
Development and Evaluation of Entertainment-Education Videos as Social Bia	23
11.00am-12:15pm Mar 15 (Central) Francisca Ve	elasquez
Remote Debriefing in Action During Crown Preparation: a Pilot Study	23
11:00am-12:15pm Mar 15 (Central) Maria-Cristina Ikeda-	Artacho
Noise Exposure Assessment During Dental Simulation Exercises and Patient $\ldots$	23
11:00am-12:15pm Mar 15 (Central) Elizabeth	n Franco
Correlation in Dental Students' Proficiency: Fixed vs. Removable Prosthodontics	23
11:00am-12:15pm Mar 15 (Central) Bapanaiah Per	0
Critical Thinking in Dental Education: a Content Analysis of Student Evaluation	23
11:00am-12:15pm Mar 15 (Central) Abeer Els	hewehy



Liran Levin

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23

#### Sat, Mar 16

Poster Session

#### Innovation in Learning

3:45pm-5:00pm Mar 16 (Central)

Session ID: 0345 CE Credit Hours: 1.25

#### Innovation in Learning

#### Learning Objectives:

· Attendees will discover current research in innovations in learning

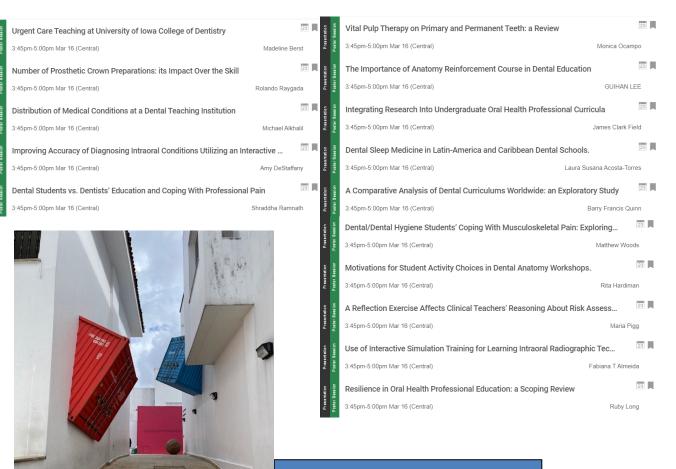


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