



FOCUSED LEARNING SESSIONS (FLS)

A 60-minute informal discussion led by an expert on a topic of high interest over the designated time. These sessions are directed at students, but all are welcome to sign up. During the Focused Learning Sessions, you may discuss topics of current interest with the researchers identified below. FLS will take place in-person at the Agora Convention Center. There is a \$25 fee to attend each session.

Thursday, June 22, 12:45 p.m. – 1:45 p.m.

FLS #1: The Graduating European Dentist Taskforce: Domain 5 - Research

Speaker: James Field (Cardiff University, Wales)

Sponsoring Group/Network(s): ADEE - Association for Dental Education in Europe, Education Research, Student Training and Research (STAR) Network, ADEE - Association for Dental Education in Europe

Track Selection: E

Description: This session builds on the Hands-on Workshop from China (2022) which focussed on the initial stages of curriculum development for a 5th curriculum Domain (Research) for the Graduating European Dentist Curriculum.

We had excellent engagement, with attendance from key IADR staff including Eric Reynolds, Chris Fox, Angus Walls, and Brian O'Connell. The initial discussions from the HoW were taken to the ADEE annual conference in August 2022, where further work developed areas of 'competence' for the new Domain, and began to put together some learning outcomes. EDSA (European Dental Students Association) had representation as part of the process.

The taskforce is now looking to bring a series of proposed learning outcomes, grouped under several areas of major competence, to IADR for consideration, primarily, by students. Educator views are also welcome at the session

FLS #2: Endodontic Treatment: Changing of the Guard?

Speaker: Annie Shrestha (University of Toronto, Ontario, Canada)

Sponsoring Group/Network(s): Microbiology/Immunology

Track Selection: C, E

Description: The balance between microbial virulence and host immune response determines the fate of disease versus healing. Apical periodontitis a chronic disease involving different levels of immune defense mechanisms. This presentation will delve into the complex interplay of immune cells and pathways involved in healing of apical periodontitis following endodontic treatment. Steadily growing interest is pointing to the role of systemic health effects on the overall immune response in apical periodontitis. Where do we stand in terms of elucidating the role of systemic health such as diabetes mellitus and immune responses? Role of immune cells and dysregulation due to diabetes mellitus in apical periodontitis will be discussed. This presentation will finally highlight some ongoing research using the principles of immune-modulation to overcome challenges in the endodontic treatment of patients with compromised health status.

FLS #3: Understanding Evidence Based BEHS-Research beyond “Systematic Reviews”

Speaker: Sukeshana Srivastav (All India Institute of Medical Sciences, New Delhi, India)

Sponsoring Group/Network(s): Behavioral, Epidemiologic, and Health Services Research, Evidence-based Dentistry Network

Track Selection: E

Description: This focussed learning session will provide an insight into newer paradigms of evidence based dentistry such as evidence mapping and quality analysis, overview of systematic reviews and meta-synthesis pertaining to Behavioral, Epidemiologic and Health Services. The session will have short lectures and a practical demonstration for better understanding and application.

FLS #4: Pitfalls in Measuring Dietary Exposure as an Oral Health Risk Factor

Speaker: Paula Moynihan (The University of Adelaide, Australia)

Sponsoring Group/Network(s): Geriatric Oral Research, Nutrition Research

Track Selection: C

Description: Attendees will learn about different methods available to assess diet and how to select and apply methods appropriately. Gaps in knowledge on diet and oral health and the application of dietary methodologies to address these will be discussed Attendees will learn how the approach to dietary assessment can limit research quality and conclusions.

Friday, June 23, 12:45 p.m. – 1:45 p.m.

FLS #5: Publishing as an Young Researcher: Essentials, Challenges, and Opportunities

Speaker: Vinicius Rosa (National University of Singapore, Singapore)

Sponsoring Group/Network(s): Dental Materials

Track Selection: C, E

Description: Publishing original and impactful research papers are perhaps one of the most important requirements to build up an independent scientific career. However, publishing a manuscript involves several, and equally important, phases that span from the acquisition of compelling data to the effective communication of the entire research process. As the years of postgrad training are mostly dedicated to the subject specialization and research activities, students are often only vaguely exposed to a myriad of aspects involved in the publication process that is generally championed by the supervisors and principal investigators. Thus, fresh graduates and early career researchers may not feel fully prepared to (or be even unaware of) many challenges involved in the publication process such as selecting the appropriate journal, coordinating with co-authors, preparing the draft and cover letter, and dealing with expectations and demands from the different parties involved in the peer-review process (editors, editorial board, admin and reviewers). In this Focused Learning Session, students and early career researchers will discuss the (i) essentials, challenges, and opportunities for effective communication of science and (ii) the editorial/reviewer perspectives toward successful submissions and publications.

FLS #6: Breaking Apart Saliva Secretion: from Health to Disease.

Speaker: Marcelo Catalan (Universidad Austral de Chile, Valdivia)

Sponsoring Group/Network(s): Salivary Research

Track Selection: E

Description: This session will explain fluid secretion mechanisms in salivary glands. Also, it will describe different mouse models and clarify how the principles of healthy saliva secretion could be applied to the treatment of salivary gland diseases. Finally, it will discuss the newly reported ionocyte-like duct cells from salivary glands.

FLS #7: The Management of Dental Patients with Cardiac Pathology

Speaker: Rodolfo Molano (Universidad del Valle, Cali Colombia)

Sponsoring Group/Network(s): Dental Anesthesiology and Special Care Research, Geriatric Oral Research

Track Selection: C

Description: Patients with cardiovascular pathologies are a common concern for dentists as treatment modifications are required to ensure safe care. This session will review basic cardiovascular pathologies and general adaptations to dental treatment, and will also address specific medical-dental management protocols that may apply depending on the type of cardiovascular compromise.

FLS #8: Homing vs Implanting Stem Cells for REP. Reality or Fiction?

Speaker: Claudia Brizuela (Universidad de los Andes, Bogotá, Colombia)

Sponsoring Group/Network(s): Pulp Biology & Regeneration Research

Track Selection: C, E

Description: Regenerative endodontics is one of the most exciting new developments in endodontics and have changed the vision and future to our specialty. This session intent to discuss stem cell homing versus implantation for regenerative endodontic protocols. Description of the protocols from the laboratory to the clinic as well as the clinic management of regenerative endodontics complications.