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KU LEUVEN



CED-IADR Summer School 2025

The 'CED-IADR Summer School' programme gives early-career researchers the opportunity to learn new research techniques and to establish professional relations with other European researchers.

Following the successful CED-IADR Summer Schools in Marseille (2017), Madrid (2018), Zagreb (2019), Budapest (2022), Regensburg (2023) and Thessaloniki (2024), we kindly invite young researchers to join us in Leuven, Belgium in 2025!



The 5-day training course **"Basic Biostatistics for Oral Health Researchers"**, intends to give basic biostatistical knowledge to young CED-IADR members pursuing an interest in translational dentistry and medicine.

When? **July 7-11, 2025**

Where? **Leuven, Belgium**

Organizer: **Prof. Dr. Mariano Simón Pedano, Endodontics & BIOMAT, KU Leuven**

Registration is free of charge, but limited to a maximum of 16 selected candidates, To participate, you must be a CED-IADR member under 35 years old, affiliated within the CED-IADR area. Preference will be given to those who haven't attended a CED-IADR Summer School before, with final selection by committee. Attendees should cover their own housing/travel expenses.



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Basic Biostatistics for Oral Health Researchers

July 7-11, 2025, Leuven, Belgium

The CED-IADR Summer School is a place for young researchers to learn and improve their laboratory research methods, to network with other young CED-IADR members, and to socialize with prominent scientists in the field.

The 2025 CED-IADR Summer School at the Department of Oral Health Sciences, KU Leuven, Belgium, will address many basic biostatistical methods commonly used in Dentistry,

The programme includes **theoretical and practical sessions** by renowned **invited speakers**:

Prof. Dominique Declerck, Professor in Pediatric Dentistry, KU Leuven, Belgium, Past President EAPD

Prof. Emmanuel Lessafre, Professor in Biostatistics, L-Biostat, Belgium

Prof. Nikolaos Pandis, Professor in Orthodontics, Bern University, Switzerland

Dr. Yago Leira, PhD at University of Santiago de Compostela (Spain) / Eastman Dental Institute (UK)

Dr. Athina Georgiou, PhD at ACTA Amsterdam, The Netherlands

Lectures on study methodology and basic statistical analysis will be combined with **hands-on workshops** with different biostatistical analysis based on different cases.

The programme will be accompanied by **social events** in the beautiful city of Leuven, 25 km from the city of Brussels, located at the heart of Flanders, in Belgium.

The Work & Learn sessions include

- Basic Parametric and Non-Parametric Statistical Methods
- Sample Size Calculations and Power analysis
- Study Designs
- Research Variables
- Setting-up a Systematic Review

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PRELIMINARY PROGRAMME

Monday	July 7, 2025
13:30	Welcome and Introduction
15:00	Coffee break
15:30	Theoretical lecture: Intro to Biostatistics: definitions and basic concepts (variables, hypotheses, power, significance, risk measures)
18:00	Guided tour through Leuven (included)
20:00	Group dinner (at own expenses, not mandatory)
Tuesday	July 8, 2025
9:00	Theoretical lecture (Types of studies, level of evidence)
10:30	Coffee break
11:00	Theoretical lecture (basic concepts for in vitro studies: parametric vs non-parametric, normality, homogeneity)
12:30	Lunch (included)
13:30	Practical exercise (reading some in-vitro studies and analyzing the data)
15:00	Coffee break
15:30	Practical exercise (analyzing basic data using SPSS)
18:00	Visit to the university library (included)
20:00	Group dinner (at own expenses, not mandatory)
Wednesday	July 9, 2025
9:00	Theoretical lecture (in human studies, difference between observational vs experimental studies part I)
10:30	Coffee break
11:00	Theoretical Lecture (in human studies, difference between observational vs experimental studies part II: study designs)
12:30	Lunch (included)
13:30	Practical exercise (reading human studies and analyzing data and statistics)
15:00	Coffee break
15:30	Practical exercise (Making a basic study design for a clinical trial, important considerations, where to start, do's and don'ts)
18:00	Visit to a local brewery (included)
19:30	Dinner at the brewery (at own expenses, not mandatory)
Thursday	July 10, 2025
9:00	Theoretical lecture: (Review studies: type of reviews; Syst reviews and meta-analysis) PICO question, PRISMA Flowchart, Risk of bias
10:30	Coffee break
11:00	Theoretical lecture (Database search, PUBMED, basic concepts)
12:30	Lunch (included)
13:30	Practical exercise (Make your own PICO question and design a search strategy)
15:00	Coffee break
15:30	Practical exercise (Practice in PUBMED)
19:30	Gala Dinner (included)
Friday	July 11, 2025
9:00	Final lecture, wrap-up
12:00	Lunch (included)
	End of the Summer School

INTERESTED ?

**For young CED-IADR members
affiliated in the CED-IADR region
only!**

Please send your:

- A proof of CED-IADR membership 2025
- A detailed CV
- Your motivation letter
- A copy of your ID card

to ced.iadr@uzleuven.be
no later than March 15, 2025.

The CED-IADR office will inform the
selected candidates by mid April at
the very latest on their acceptance.

*CED-IADR reserves the right to
cancel the summer school when
insufficient participation*