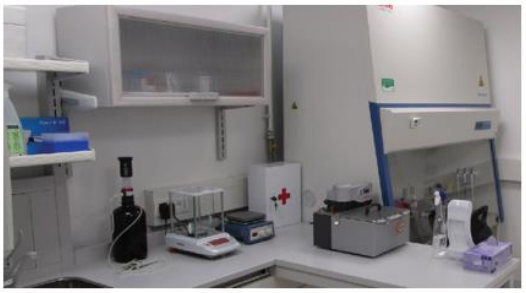
PROMOTING HIGH-QUALITY ORAL HEALTH RESEARCH IN EUROPE

2019 CED-IADR SUMMER SCHOOL

"Methods in Dental and Orofacial Tissues Research" JULY 1-5, 2019 | Zagreb, Croatia

Following the successful CED-IADR Summer Schools held in Marseilles in 2017 and in Madrid in 2018, this 5-days hands-on training course in laboratory research methods is intended for young CED-IADR members pursuing interest in regenerative dentistry and medicine.

CED-IADR ORGANIZES FOR ITS YOUNG MEMBERS THE 3RD FREE SUMMER SCHOOL, AT THE UNIVERSITY OF ZAGREB SCHOOL OF DENTAL MEDICINE AND SCHOOL OF MEDICINE/ CROATIAN INSTITUTE FOR BRAIN RESEARCH.




Croatian Institute For Brain Research

The program consists of practical lab work and small portion of dedicated and specific seminars led and supervised by renowned international researchers from Europe, USA and Asia. Zagreb Summer School will be a place for learning, creating ideas, networking and socializing between young and prospective scientists with established ones.

Registration for the CED-IADR Summer School is free of charge (only for CED-IADR members) for up to 25 selected candidates. Participants will be responsible for covering accommodation and travel expenses.

On site accommodation (12 double rooms for up to 24 participants) will be available if booked early, at the cost of 22 Euro per person per night in double room. All rooms are equipped with bathrooms.

INTERESTED?

For practical reasons, the number of attendees will be limited to maximum 25.
Candidates must be a CED-IADR member!

Apply at **www.ced-iadr.eu/2019 summer school** no later than March 30, 2019.
The CED-IADR secretariat will inform the candidates mid-April 2019 on their acceptance.

CED-IADR has the right to cancel the summer school in case of insufficient participation.

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COORDINATOR:
Prof. Ivan Alajbeg, DMD, PhD,
University of Zagreb School of Dental Medicine, Croatia

MODULE 1 (Mon July 1):
„Cultivation and manipulation of human adult oral mucosa and mouse embryonic neural stem cells" (comparison of different protocols for different types of stem cells; dissociation, attachment, migration, cell counting, cell differentiation; live cell imaging using EVOS automatic station (Life Sciences), staining and analysis of fixed cells and tissue samples)

Assoc. Prof. Dinko Mitrečić, MD, PhD. Head of the Laboratory for Stem Cells, Croatian Institute for Brain Research, University of Zagreb School of Medicine, Croatia

Dr. Ivan Alic, DVM, PhD, Research Fellow, Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore
Department of Anatomy, Histology and Embryology, Faculty of Veterinary Medicine, University of Zagreb, Croatia

MODULE 2 (Tue/Wed July 2-3):
„Single-cell RNA sequencing in stem cell research" (scRNA-seq technologies & applications, cell isolation techniques, bioinformatic analysis, validation of sequencing data: Practical I - single cell isolation - dissection, dissociation, magnetic-activated cell sorting, viability; Practical II - computational analysis of scRNA-seq data using web-based tools)

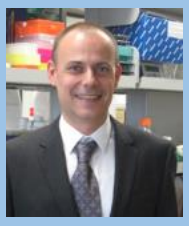
MODULE 3 (Tue/Wed July 2-3):
"Growth factors released from dentin and their interaction with cells" (Practical I: Cell migration towards differently pre-treated dentin disks; Practical II: Cell attachment)

Dr. Maja Sabalic, DMD, PhD. Dental researcher, King's College London, Faculty of Dentistry, Oral & Craniofacial Sciences, Centre for Craniofacial and Regenerative Biology, UK

Anja Ivica, DMD, PhD student. Oral Biotechnology and Bioengineering Center for Dental Medicine, Zurich University, Switzerland

MODULE 4 (Thu/Fri July 4-5):
"Stem/progenitor cells; lineage tracing and phenotyping" (histology, frozen section, fluorescence -activated cell sorter (FACS), cell culture)

Prof. Ivo Kalajzić, MD, PhD. Professor of Reconstructive Sciences, Center for Regenerative Medicine and Skeletal Development, Department of Genetics & Genome Sciences, University of Connecticut, Farmington, USA



Prof. Danka Grcevic, MD, PhD. Department of Physiology and Immunology/Croatian Institute for Brain Research, School of Medicine University of Zagreb, Croatia

Assoc. Prof. Nataša Kovačić, MD, PhD. Department of Anatomy/Croatian Institute for Brain Research; School of Medicine University of Zagreb, Croatia

Dr. Sanja Novak, PhD. Post-doctoral fellow, Center for Regenerative Medicine & Skeletal Development School of Dental Medicine – UConn Health, University of Connecticut, Farmington, USA