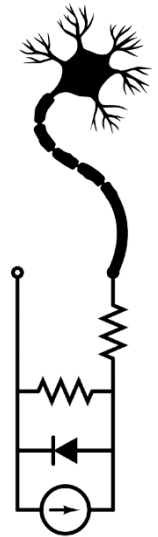


Zagrebačka radionica bioelektronike 2020.

30.01 – 01.02. 2020.

Sveučilište u Zagrebu, Prirodoslovno-matematički fakultet,
Fizički odsjek, Bijenička cesta 32, Zagreb



Poštovani studenti i zaposlenici Fizičkog odsjeka! Srdačno Vas pozivamo na prvu Zagrebačku radionicu bioelektronike, koja će biti održana u okviru HRZZ uspostavnog projekta “Mikro i nanostrukture za 3D opto-bioelektroniku” (3DOptoBio). Na radionici će posebni gosti biti članovi istraživačke grupe prof. Erica Głowackog sa Sveučilišta u Linköpingu u Švedskoj.

Sudjelovanje u programu u četvrtak, 30. siječnja je otvoreno svima zainteresiranima u okviru kapaciteta predavaonice, a za sudjelovanje u praktičnom dijelu radionice molimo najavite svoj dolazak na e-mail adresu vdjerek@phy.hr. Veselimo se Vašem dolasku!

Program radionice

Četvrtak, 30.01.2020	Soba F-201 (drugi kat)	
09:30-10:00	Vedran Đerek University of Zagreb, Physics department	Micro- and nano-structures for 3D opto-bioelectronics – project overview
10:00-10:45	Eric Głowacki Linköping University, Sweden	Organic nanocrystalline semiconductors for bioelectronics and catalysis
10:45-11:15	PAUZA ZA KAVU (plava soba, 1. kat)	
11:15-11:35	Marie Jakesová Linköping University, Sweden	Precise drug delivery with organic electronic ion pump
11:35-11:55	Ludovico Migliaccio Linköping University, Sweden	Fabrication of organic flexible neural interface devices for optical stimulation
11:55-12:10	Marta Nikić University of Zagreb, Physics department	Advantages of 3D structuring for neural interfaces
12:10-12:30	Malin Silverå Ejneby Linköping University, Sweden	Optoelectronic control of single cells using organic photocapacitors – the <i>Xenopus laevis</i> oocyte model
12:30-12:45	Katarina Vulić University of Zagreb, Physics department	Return electrode in electrostimulation – faradaic versus capacitive modes

Petak, 31.01.2020	3DOptoBio Lab (soba F-013)	
09:30-12:30	Eric Głowacki, Vedran Đerek	Photocapacitor workshop I – vacuum evaporation of organic pigments for fabrication of optoelectronic devices
12:30-13:30	PAUZA	
13:30-17:00	Marie Jakesová, Malin Silverå Ejneby, Ludovico Migliaccio	Photocapacitor workshop II – photocapacitor characterization by electro-photo response measurements

Subota, 01.02.2020	Plava soba, 1. kat	
10:00-11:00	Vedran Đerek	Processing big data from Intan electrophysiology platforms
11:00-12:30	Vedran Đerek	Python/Intan workshop