

MCIB-IV CALENDAR (updated 23 Jan 2020).**Lecture/Practical session**

Most classes will be at the -1 floor seminar room of CIB unless indicated otherwise.

Text in black: research topics lectures

Text in blue: advanced methods and practical sessions

Text in grey: Journal club sessions and lab rotations

DAY	TIME	CLASS	TEACHER
BIOTECH: MOLECULAR AND SYSTEMS BIOTECHNOLOGY			
Industrial biotechnology: engineering of biocatalysts for biotransformations			
Mon 10-02	09:30 – 10:30	Biofuels and added-value products from wastes: the role of fungal hydrolases	Alicia Prieto
	10:45 – 11:45	Cell-cell communication in microorganisms: <i>quorum sensing</i>	Jorge Barriuso
Tue 11-02	09:30 – 10:30	Genome mining and rational design of new biocatalysts for lignocellulose biorefineries	F. Javier Ruiz-Dueñas
	10:45 – 11:45	Enzyme engineering by directed evolution	Susana Camarero
Metabolic engineering and synthetic microbiology			
Wed 12-02	09:30 – 10:30	Systems metabolic engineering for bioconversion of waste/contaminants in bacteria	Eduardo Díaz
	10:45 – 11:45	Bacterial production of metallic nanoparticles: molecular mechanisms and biotechnological applications	Manuel Carmona
	12:15 – 13:15	Nanotechnological tools: Dendrimeric and magnetic nanoparticles	Jesús Sanz
Thu 13-02	09:30 – 10:30	Synthetic biology: engineering biological systems	Rafael Giraldo
	10:45 – 11:45	Cell-free synthetic biology: fundamental and biotechnological implications	Germán Rivas
	15:00 – 17:00	Cell-free synthetic biology: microfluidic-based formation of	Begoña Monterroso

			droplets and vesicles for encapsulation of biological macromolecules	
Fri 14-02		11:30 -13:00	M2: SEMINAR – Prof. Karim Labib	
Mon 17-02		11:00 – 12:00	Lactic acid bacteria: from the microbiome to fermentation, and vice versa	Paloma López
		15:00 – 17:00	Protein production and purification I	CIB : LI de Eugenio, A Prieto.
Tue 18-02		09:30 – 10:30	Biotechnological production of biologically-based polymers	M. Auxiliadora Prieto
		11:30 – 13:00	M2: SEMINAR – Matthias Boll	
		15:00 – 17:00	Protein production and purification II	IQFR : MJ Sánchez, B González, MA Treviño
Applied plant biology				
Wed 19-02		09:30 – 10:30	Enabling Plant Culture for Space Exploration	F. Javier Medina
		10:45 – 11:45		
		15:00-16:00	Biotechnology of plant cell reprogramming	Pilar Sánchez-Testillano
Thu 20-02		11:00 – 12:00 at IQFR, Room 215	Structural approach for the improvement of plant resistance under abiotic stress conditions	Armando Albert
Fri 21-02		09:30 – 10:30	Journal Club	
		10:45 – 11:45	Journal Club	
Mon 24-02		09:30 – 11:00	LAB ROTATIONS BIOTEC	
		11:30 – 13:00	LR	

		15:00 – 17:00	LR	
Tue 25-02		09:30 – 11:00	LAB ROTATIONS BIOTEC	
		11:30 – 13:00	LR	
		15:00 – 17:00	LR	
Wed 26-02		09:30 – 11:00	LAB ROTATIONS BIOTEC	
		11:30 – 13:00	LR	
		15:00 – 17:00	LR	
Thu 27-02		09:30 – 11:00	LAB ROTATIONS BIOTEC	
		11:30 – 13:00	LR	
		15:00 – 17:00	LR	
Fri 28-02		09:30 – 11:00	LAB ROTATIONS BIOTEC	
		11:30 – 13:00	Department SEMINAR-Petr Baldrian	
		15:00 – 17:00	LR	
Mon 02-03		09:30 – 11:00		
		11:30 – 13:00		
		15:00 – 17:00		
Tue 03-03		09:30 – 11:00		
		11:30 – 13:00		
		15:00 – 17:00		
Wed 04-03		09:30 – 11:00		
		11:30 – 13:00		
		15:00 – 17:00		

Thu 05-03		09:30 – 11:00		
		11:30 – 13:00		
		15:00 – 17:00		
Fri 06-03		09:30 – 11:00	EXAM BIOTEC	
Thu 19-03		9:30 – 13:30	M3: “TALLER DE BIOESTADISTICA”	
Tue 24-03		09.00 – 17:30	M3: “PRIMEROS PASOS EN EL EMPRENDIMIENTO CIENTIFICO”	
Wed 25-03		09:00 – 17:30	M3: “PRIMEROS PASOS EN EL EMPRENDIMIENTO CIENTIFICO”	
Fri 17-04		11:30 – 13:00	M2: SEMINAR – Andreas Trumpp	