

**Mcib-V CALENDAR updated 20210128** Lecture / Practical session / Green background : online /  
 Orange background : presential / **Lecture at IQFR**

DAY	TIME	CLASS	TEACHER
<b>BIOTECH: MOLECULAR AND SYSTEMS BIOTECHNOLOGY</b>			
<b>Industrial biotechnology: engineering of biocatalysts for biotransformations</b>			
<b>Mon 01-02</b>	09:30 – 10:30	Enzyme biocatalysis for green chemistry: biotransformations mediated by microbial hydrolases.	Alicia Prieto
	10:45 – 11:45	Cell-cell communication in microorganisms: <i>quorum sensing</i>	Jorge Barriuso
<b>Tue 02-02</b>	09:30 – 10:30	Genome mining and rational design of new biocatalysts for lignocellulose biorefineries	F. Javier Ruiz-Dueñas
	10:45 – 11:45	Enzyme directed evolution: fundamentals and some case studies.	Susana Camarero
<b>Metabolic engineering</b>			
<b>Wed 03-02</b>	<b>09:00 – 10:00</b>	Systems metabolic engineering for bioconversion of waste/contaminants in bacteria	Eduardo Díaz
	10:15 – 11:15	Bacterial production of metallic nanoparticles: molecular mechanisms and biotechnological applications	Manuel Carmona
	15:30 – 16:30	Nanotechnological tools: Dendrimeric and magnetic nanoparticles	Jesús Sanz
<b>Thu 04-02</b>			
<b>Fri 05-02</b>			
<b>Mon 08-02</b>	<b>11:00 – 12:00</b>	Lactic acid bacteria: from the microbiome to fermentation, and vice versa	Paloma López
	15:00 – 17:00	<a href="#">Protein production and purification I</a>	<a href="#">CIB: LI de Eugenio, A</a>

				Prieto.
<b>Tue 09-02</b>		09:30 – 10:30	Biotechnological production of biologically-based polymers	M. Auxiliadora Prieto
		11:30 – 13:00	Biodegradation of plastics by biological systems	Federica Bertocchini
		15:00 – 17:00	Protein production and purification II	<a href="#">IQFR: MJ Sánchez, B González, MA Treviño</a>
<b>Applied plant biology</b>				
<b>Wed 10-02</b>		09:30 – 10:30	Enabling Plant Culture for Space Exploration	F. Javier Medina
		10:45 – 11:45	Plant biotechnology. Applications and challenges facing the global climate change	Rafael Catalá
		15:00 – 16:00	Biotechnology of plant cell reprogramming	Pilar Sánchez-Testillano
<b>Thu 11-02</b>		<b>11:00 – 12:00</b> <b><a href="#">at IQFR,</a></b> <b><a href="#">Room 215</a></b>	Structural approach for the improvement of plant resistance under abiotic stress conditions	Armando Albert
<b>Fri 12-02</b>		<b>11:00 – 12:00</b>	Recent advances in the study of plant photomorphogenesis	Vicente Rubio
<b>Synthetic microbiology</b>				
<b>Mon 15-02</b>		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
		12:15 – 13:15	Cell-free synthetic biology: microfluidic-based formation of droplets and vesicles for encapsulation of biological macromolecules	Begoña Monterroso
<b>Tue 16-02</b>				

<b>Wed 17-02</b>				
<b>Thu 18-02</b>		09:30 – 10:30	<b>Journal Club</b> ( <i>probably online</i> )	
		10:45 – 11:45	<b>Journal Club</b> ( <i>probably online</i> )	
<b>Fri 19-02</b>		16:00 – 19:00	<b>WORKSHOP</b> <i>"Beyond organelles: towards integrative biomedicine"</i>	
<b>Mon 22-02</b>		16:00 – 19:00	<b>WORKSHOP</b> <i>"Beyond organelles: towards integrative biomedicine"</i>	
<b>Tue 23-02</b>				
<b>Wed 24-02</b>				
<b>Thu 25-02</b>				
<b>Fri 26-02</b>		09:30 – 11:00	<b>EXAM BIOTEC</b>	