



Universidad de Castilla-La Mancha

### Participating Universities



Università degli Studi Gabriele d'Annunzio (Italy)



Universidad de Castilla-La Mancha (SPAIN)



Università di Bologna (Italy)



Medical University of Sofia (Bulgary)



Università degli Studi di Napoli Federico II (Italy)



Comenius University Bratislava (Slovakia)

Target audience:  
Pharmacy students

ERASMUS+ BLENDED INTEISIVE PROGRAMME 3 ECTS

Info: <https://www.uclm.es/albacete/farmacia>

Cursos web Código: 662

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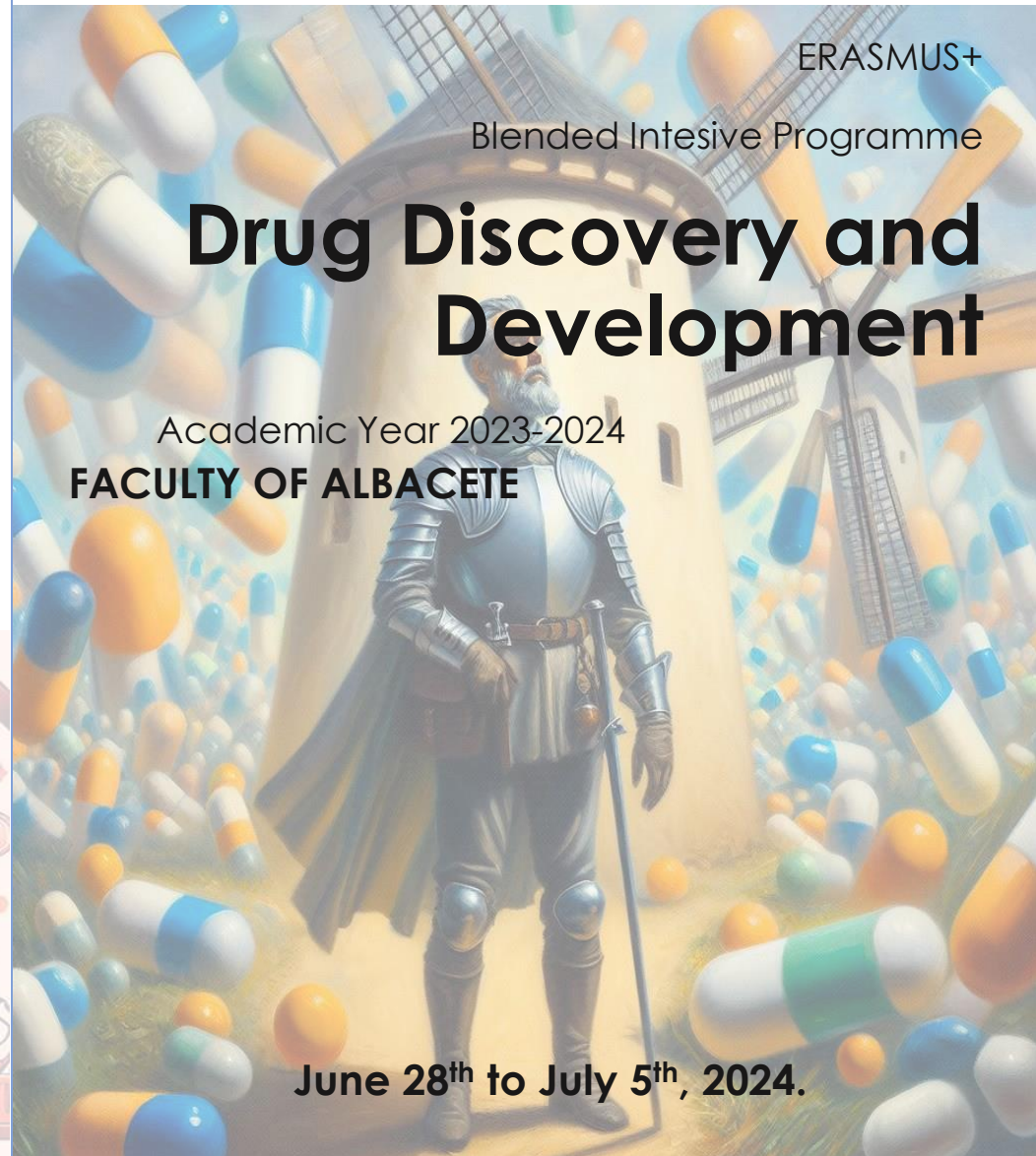
ERASMUS+

Blended Intesive Programme

# Drug Discovery and Development

Academic Year 2023-2024

FACULTY OF ALBACETE



June 28<sup>th</sup> to July 5<sup>th</sup>, 2024.

## Objectives

**Interdisciplinary Understanding:** To provide students with a comprehensive understanding of the interdisciplinary nature of drug discovery and development, encompassing areas such as pharmacology, toxicology, clinical research, and more.

**Practical Skills:** To equip students with practical skills necessary in the field of drug discovery, including the design and development of drugs, understanding mechanisms of drug action, and apply new technologies in clinical research.

**Innovative Learning:** To promote innovative ways of teaching and learning, leveraging the blend of online and physical mobility to enhance student engagement and learning outcomes.

**Inclusivity in Education:** To make international study and mobility accessible to a wider range of students, including those who may not be able to commit to long-term mobility, thus promoting inclusivity in education.

## Sessions

This BIP will be organized in a blended learning format that will include online and face to face sessions. A combination of theoretical and practical classes is proposed to fix the most important concepts. The online session will be delivered on the Microsoft TEAMS platform. The face to face session will be held at the Faculty of Pharmacy of the UCLM and the Botanic Garden Facilities. We are positive participants will enjoy a new experience and a new perspective to know how is the life of a drug since it is designed until it becomes marketable.

**The courses will take place from  
June 28<sup>th</sup> to July 5<sup>th</sup>, 2024.**

## Schedule of Activities

Date	Time	Topic	
Friday, 28 June (online sesión)	9:00-9:30	<b>Online Welcome</b>	
	9:30-10:00	<b>Introduction to Drug Discovery.</b> History of drug discovery. <i>Dr. Inmaculada Posadas (Lecturer, Universidad Castilla-La Mancha)</i>	
	10:00-10:30	<b>Introduction to Drug Discovery.</b> Overview of the drug discovery process. <i>Dr. Garaj Vladimír (Lecturer, Comenius University Bratislava)</i>	
	10:30-11:00	<b>Break</b>	
	11:00-11:30	<b>Pharmacology.</b> Drug absorption, distribution, metabolism, and excretion (ADME). <i>Dr. Gabika Greifova (Lecturer, Comenius University Bratislava)</i>	
	11:30-12:00	<b>Pharmacology.</b> The application of pharmacology in basic research <i>Dr. Patrizia Romualdi (Lecturer, Università di Bologna)</i>	
Monday, 1 July (in person)	12:00-12:30	<b>Medicinal Chemistry.</b> Design and synthesis of therapeutic agents and SAR. <i>Dr. Joaquín Calixto García (Lecturer, Universidad Castilla-La Mancha)</i>	
	12:00-13:00	<b>Cell Biology.</b> Experimental cell models and biological assays. <i>Dr. Susi Zara (Lecturer, Università degli Studi Gabriele d'Annunzio),</i>	
	9:00-14:00	<b>Welcome and guided tour</b> to the Faculty of Pharmacy facilities.	
	14:00-16:00	<b>Lunch, Ice-breaking</b>	
	Tuesday, 2 July (in person)	9:00-9:30	<b>Pharmacology.</b> TRP channels in drug discovery <i>Dr. Ester Pagano (Lecturer, Università degli studi di Napoli Federico II) (on-line)</i>
		9:30-10:00	<b>Pharmaceutical Biotechnology.</b> Pharmaceutical Biotechnology. <i>Dr. Monica Baiula, (Lecturer, Università di Bologna)</i>
10:00-10:30		<b>Pharmaceutical Biotechnology.</b> Medicinal plant and applications <i>Dr. Claudio Ferrante (Lecturer, Università degli Studi Gabriele d'Annunzio)</i>	
10:30-11:00		<b>Break</b>	
11:00-14:00		<b>Laboratory Session.</b> <i>Dr María Dolores Perez Carrión, Dr. Inmaculada Posadas Mayo, Dr. Ivan Bravo Pérez, Dr. Fernando de Andres Segura (Lecturers, University of Castilla-La Mancha)</i>	
18:00-22:00		<b>Social event and dinner.</b> Guided tour to historic Chinchilla village	
Wednesday, 3 July (in person)	9:00-12:00	<b>Guided tour to the Regional Botanic Garden.</b>	
	12:00-13:30	<b>Encourage the mobility.</b> Fact sheets from partners university <i>U. of Castilla-La Mancha, Comenius U. Bratislava, Medical U. of Sofia, U. degli Studi Gabriele d'Annunzio</i>	
Thursday, 4 July (in person)	8:00-10:00	<b>Venue to Heritage City of Cuenca.</b>	
	10:00-12:00	<b>Guided tour</b> to the Historic town and main attractions.	
	12:00-14:00	<b>Visit to Pharmaceutical Facilities.</b>	
	14:00-16:00	<b>Lunch</b>	
	16:00-18:00	<b>Return to Albacete</b>	
Friday, 5 July (in person)	9:30-10:00	<b>Perspectives. Pharmaceutical Biotechnology</b> <i>Dr. Andrea Bedini (Lecturer, Università di Bologna)</i>	
	10:00-10:30	<b>Perspectives Pharmacology.</b> The endocannabinoid system as a target for drug discovery <i>Dr. Barbara Romano (Lecturer, Università degli studi di Napoli Federico II)</i>	
	10:30-11:00	<b>Perspectives Pharmacology.</b> <i>Dr. Ivanka Kostadinova (Lecturer, Medical University of Sofia)</i>	
	11:00-11:30	<b>Perspectives Molecular Biology of Drugs</b> <i>Dr. Eva Drobna (Lecturer, Comenius University Bratislava)</i>	
	11:30-12:30	<b>Break</b>	
	12:30-13:00	<b>Perspectives. Medicinal Chemistry</b> <i>Dr Simone Carradori (Lecturer, Università degli Studi Gabriele d'Annunzio),</i>	
	13:00-13:30	<b>Concluding remarks.</b>	