



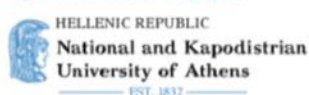
Universidad Autónoma
de Madrid

4th BIP Drug Design & Discovery

**Hot Topics, Tools, Technologies
and Translation**

**Universidad Autónoma de Madrid
Madrid 2025**



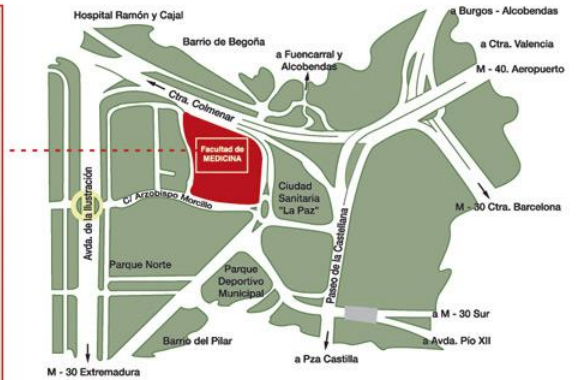
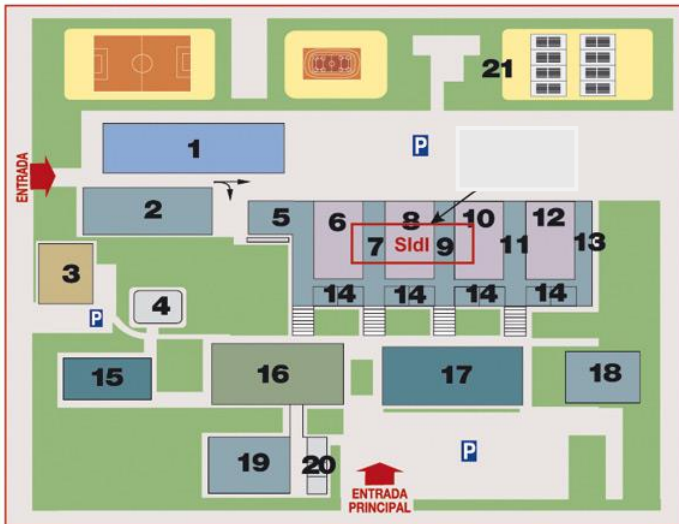


Medicine School



Campus de Medicina

Arzobispo Morcillo, s/n - 28029 MADRID



- 1. Centro de Investigaciones Biomédicas, Alberto Sols CSIC-UAM
- 2. Animalario
- 3. Central Térmica
- 4. Pagoda
- 5. Departamento de Morfología

- 6. Departamento de Morfología
- 7. Laboratorios de Prácticas
- 8. Departamento de Bioquímica
- 9. Seminarios
- 10. Departamento de Fisiología
- 11. Laboratorios

- 12. Departamento de Medicina Preventiva y Salud Pública
- 13. Departamento de Farmacología y Terapéutica
- 14. Aulas
- 15. Cafetería

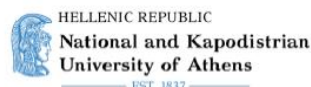
- 16. Decanato y Secretaría
- 17. Biblioteca
- 18. Centro de Farmacología Clínica
- 19. Aula Magna
- 20. Seminarios
- 21. Instalaciones Deportivas



Virtual program

	Monday, 30 th June 2025	Tuesday, 1 st July 2025	Wednesday, 2 nd July 2025	Thursday, 3 rd July 2025	Friday, 4 th July 2025	Saturday, 5 th July 2025
09:30 - 10:00	Coffee Bar / Snack	Coffee Bar / Snack	Coffee Bar / Snack	Coffee Bar / Snack	Coffee Bar / Snack	Optional Social Program Prado Museum
10:00 - 11:00	Arrival / Opening Session	Prof. Dra. Manuela García López Pharmacology Department Facultad de Medicina, Universidad Autónoma Madrid: From the laboratory to the patient	Prof. Dr. Rino Ragno, Faculty of Pharmacy, La Sapienza University, Rome: Practical Aspects in Validating Molecular Docking	Prof. Dr. Florence Gattacceca, Faculty of Pharmacy, Aix-Marseille Université: Introduction to physiologically-based modelling	Student oral presentation** - Discussion	
11:00 - 12:00	Prof. Dr. María F. Cano Abad, Pharmacology Department Facultad de Medicina, Universidad Autónoma Madrid: New strategies to develop drugs for neurodegenerative diseases	Epigenetics: a Med Chem Perspective Prof. Dr. Antonello Mai, Istituto Pasteur - Fondazione Cenci Bolognietti, Dipartimento di Chimica e Tecnologia del Farmaco, Sapienza University, Rome	Prof. Dr. Rino Ragno*, Faculty of Pharmacy, La Sapienza University, Rome: Molecular Docking in Action	Prof. Dr. Florence Gattacceca*, Faculty of Pharmacy, Aix-Marseille Université: Gastroplus ADMET Predictor to Screen Gastro-intestinal absorption and metabolism properties	Student oral presentation** - Discussion	
12:00 - 13:00	Prof. Dr. María F. Cano Abad, Pharmacology Department Facultad de Medicina, Universidad Autónoma Madrid: Methods to measure calcium - Tools for drug discovery	Prof. Dr. Emmanuel Mikros, Faculty of Pharmacy, National Kapodistrian University of Athens: NMR-based Metabolomics	Prof. Dr. Rino Ragno*, Faculty of Pharmacy, La Sapienza University, Rome: Molecular Docking in Action	Prof. Dr. Florence Gattacceca*, Faculty of Pharmacy, Aix-Marseille Université: Gastroplus ADMET Predictor to Screen Gastro-intestinal absorption and metabolism properties	Student oral presentation** - Discussion	
13:00 - 14:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	
14:00 - 15:00	Prof. Dr. Frank M. Böckler, Dept. Pharmacy and Biochemistry, Eberhard Karls Universität Tübingen: The Versatility of Halogen Bonding	Dr. Markus O. Zimmermann, Dept. Pharmacy and Biochemistry, Eberhard Karls Universität Tübingen: Machine Learning Approaches - The Long Path to Artificial Intelligence	Prof. Dr. Rino Ragno*, Faculty of Pharmacy, La Sapienza University, Rome: Molecular Docking in Action	Prof. Dr. Florence Gattacceca*, Faculty of Pharmacy, Aix-Marseille Université: Gastroplus ADMET Predictor to Screen Gastro-intestinal absorption and metabolism properties	Student oral presentation** - Discussion	
15:00 - 16:00	Dr. Markus O. Zimmermann, Dept. Pharmacy and Biochemistry, Eberhard Karls Universität Tübingen: Principles and Applications of Chalcogen Bonding	Prof. Dr. Frank M. Böckler, Dept. Pharmacy and Biochemistry, Eberhard Karls Universität Tübingen: Methods in compChem - Choose wisely and apply with care!	Prof. Dr. Javier Blanco Rivero*, Dept. Physiology, Universidad Autónoma de Madrid: Hands-on-Animals models for metabolic diseases in drug discovery	Visit Laboratory	Student oral presentation** - Discussion	
16:00 - 16:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
16:30 - 17:30	Prof. Dr. Carmen Chifriuc, University of Bucharest: Microbicial versus antipathogenic strategies in antimicrobial drug discovery	Dra. Elena Tortosa Pharmacology Department Facultad de Medicina, Universidad Autónoma Madrid: Hands-on-Animals models in neurodegenerative disease-Tools for drug discovery	Prof. Dra. Ana Isabel Torres, Pharmacy faculty Department of Galenic Pharmacy and Food Technology, Universidad Complutense de Madrid Hands-on-Microparticles and Nanoparticles for drug administration	Dr. Carlos Herrero, EMA Head, Early Development & Clinical Pharmacology, Global Clinical Operations The Janssen Pharmaceutical Companies of Johnson & Johnson Drug development	Feedback BIP & Discussion with Students**	
17:30 - 18:30	Prof. Dr. Luminita Marutescu, Faculty of Biology, University of Bucharest: Methods for the <i>In vitro</i> Assessment of Antimicrobial Activity	Dra. Elena Tortosa Pharmacology Department Facultad de Medicina, Universidad Autónoma Madrid: Hands-on-Animals models in neurodegenerative disease-Tools for drug discovery	Prof. Dra. Ana Isabel Torres, Pharmacy faculty Department of Galenic Pharmacy and Food Technology, Universidad Complutense de Madrid Hands-on-Microparticles and Nanoparticles for drug administration	Mentoring for students' projects presentations**	Internal Meeting / Discussion**: Organizers - Preview 2025	
20:00 - 22:00	Welcome Reception			Speakers' dinner	Dinner	

* Supported by other CIVIS lecturers / ** All CIVIS lecturers



Prado Museum



Metro map

Begoña Station

