

## Doctorado en Ciencias Exerimentales y Biosanitarias (2023-24)

<b>Código:</b> E006	<b>Fecha de aprobación:</b> 12/06/2014	<b>Precio:</b> 300 € por curso académico
<b>Créditos:</b> Not defined	<b>Título:</b> Doctorate (ECTS)	

### RAMA

Sciences

### PLAN

PHD IN EXPERIMENTAL AND BIOSANITARY SCIENCES

### TIPO DE ENSEÑANZA

Blended

### CENTROS DONDE SE IMPARTE

International Doctoral School

### ESTUDIO IMPARTIDO CONJUNTAMENTE CON

Solo se imparte en esta universidad

### FECHAS DE EXAMEN

[Acceda al listado de fechas de examen para esta titulación.](#)

## PLAN DE ESTUDIOS OFERTADO EN EL CURSO 2023-24

Leyenda: No ofertada Sin docencia

### ÚNICO

TESIS DOCTORAL				1 créditos
Curso	Título	Créditos	Subject	
-	THESIS	0	<a href="#">66666 - THE DOCTORAL THESIS</a>	

Superado este bloque se obtiene  
**DOCTOR BY THE UNIVERSITY OF ALICANTE**

## CONTACT INFORMATION

[WEBSITE PhD in Experimental and Biohealth Sciences](#)

### Academic Commission

Coordinator: [Montserrat Hidalgo Núñez](#)

Secretary: [Ana Isabel Martínez Sánchez](#)

### Quality Commission

Coordinator: [Montserrat Hidalgo Núñez](#)

### Proposing body:

[Faculty of Sciences](#)

[facu.ciencias@ua.es](mailto:facu.ciencias@ua.es)

### Doctoral School:

[EIDUA-University of Alicante International Doctoral School](#)

Location: Multipurpose Building II ([Codi SIGUA\\_0022PB001](#))

Telephone number 965 90 3466

[Contact EIDUA](#)

## **BASIC AND GENERAL COMPETENCES**

### **BASIC**

- CB11 - Systematic comprehension of a field of study and mastery of the skills and research methods related to said field.
- CB12 - Ability to conceive, design or create, put into practice and adopt a substantial research or creation process.
- CB13 - Ability to contribute to the expansion of knowledge barriers through original research.
- CB14 - Ability to carry out a critical and evaluative analysis and synthesize new and complex ideas.
- CB15 - Ability to communicate with the academic and scientific community as well as society in general regarding your fields of knowledge in the modes and languages used normally in your international scientific community.
- CB16 - Ability to foment scientific, technological, social, artistic or cultural advances within a knowledge-based society in academic and professional contexts.

### **PERSONAL SKILLS AND ABILITIES**

- CA01 - To cope with contexts in which there is little specific information.
- CA02 - To find the key questions that must be answered to solve a complex problem.
- CA03 - To design, create, develop and carry out innovating projects in your field of knowledge.
- CA04 - To be able to work as a team and as an individual in an international and multidisciplinary context.
- CA05 - To process knowledge, cope with complexity and formulate judgements with limited information.
- CA06 - To criticise and defend solutions intellectually.

### COMMON COMPULSORY TRANSVERSAL TRAINING ACTIVITIES

All students will have to do a series of transversal activities; some are common to all doctoral programs whereas others are specific to each individual program.

The vehicular languages will be Spanish and Valencian.

The activities are the following:

- ACTIVITY 1: Tools for the management and recovery of information.
- ACTIVITY 2: Goals and objectives of research
- ACTIVITY 3: Scientific communication models
- ACTIVITY 4: Transfer of knowledge models

For more information check the University of [Alicante International Doctoral School Website](#)

### SPECIFIC COMPULSORY TRANSVERSAL TRAINING ACTIVITIES

The activities are the following:

- ACTIVITY 1: Seminars and research workshops
- ACTIVITY 2: Seminars for doctoral students
- ACTIVITY 3: Presentation of scientific communications and works and/or patents

### ACTIVIDAD FORMATIVA TRANSVERSAL OPTATIVA

The activities are the following:

- ACTIVITY 1: Stays at Universities and Higher Research Centres

For more information contact the proposing body: [Faculty of Sciences](#).

[Research areas](#)

[Teams and research areas](#)

## RESEARCH AREAS

1. Synthesis of organic compounds through organometallic compounds
2. Polymers in Organic Synthesis: catalysts and supports
3. Stereoselective reductions through hydrogen transfer processes
4. Stereoselective additions of organozinc reagents to imines
5. Mechanisms and other chemical-physical aspects of organic reactions
6. Study of structure, reactivity and properties of anionic polycyclic aromatic hydrocarbons
7. Relativistic astrophysics
8. Transport in nanoscale systems
9. Modelling of multibody systems
10. Palaeoenvironmental changes
11. Applied petrology
12. Applied geology and hydrogeology
13. Geodynamic evolution of the *Cordillera Bética Oriental* and the Marine Platform of Alicante
14. Seismology - Seismic risk and signal processing in natural phenomena
15. Bionomics and arthropod taxonomy
16. Artificial breeding and mass production of invertebrates
17. Applied zoology (agri-food field, industrial, urban and environmental)
18. Forensic entomology and medical-veterinary
19. Phylogeny and animal evolution
20. Instrumental development in chemical analysis
21. Sustainable Analytical Chemistry
22. Bioanalytical chemistry
23. Biogeochemistry
24. Identification of diagnostic immunological markers, forecasts and/or therapeutic response in patients with autoimmune diseases or cancer
25. Analysis of allergenic sources and bacterial immunotherapy. Applications in allergy and chronic pathologies in humans
26. Therapeutical applications in humans derived from the immunomodulatory capacity of MSCs (mesenchymal stem cells)
27. Analysis of biomarkers in the diagnosis and forecast of HIV infections
28. Ground and vegetable nutrition
29. Analysis of clay and other mineral components of the ground
30. LDPC and convolutional codes
31. Digital signature
32. Cryptographic kernel
33. Multiplatform system for safe communications
34. Convex optimisation foundations
35. Parametric programming
36. Semi-infinite, infinite, lineal and convex programming

## TEAMS AND RESEARCH AREAS

### **Team 1: Organic chemistry**

**Areas:** 1, 2, 3, 4, 5, 6

**Members:**

Cecilia Gómez Lucas

David Guijarro Espí

Albert Guijarro Pastor

Diego Antonio Alonso Velasco

Francisco Foubelo García

### **Team 2: Computational Physics and Astrophysics**

**Areas:** 7, 8, 9

**Members:**

María José Caturla Terol

Guillermo Chiappe Acosta

Juan Antonio Miralles Torres

José Antonio Pons Botella

### **Team 3: Geology**

**Areas:** 10, 11, 12, 13, 14

**Members:**

Jesús Miguel Soria Mingorance

David Benavente García

José Delgado Marchal

Hugo Antonio Corbi Sevilla

José Francisco Baeza Carratalá

Alice Ginannetti

Carlos Lancis Sáez

Juan Carlos Cañaveras Jiménez

Javier Martínez Martínez

Salvador Ordóñez Delgado

María Ángeles García del Cura

Soledad Cuezva Robleño (investigadora Juan de la Cierva)

Juan José Giner Caturla

Sergio Molina Palacios

Pedro Alfaro García

Manuel Martín Martín

José Miguel Andreu Rodes

José Enrique Tent Manclús

Iván Martín Martín

### **Team 4: Arthropod Biomimics and Applied Zoology**

**Areas:** 15, 16, 17, 18, 19

**Members:**

Santos Rojo Velasco  
Celeste Pérez Bañón  
Ana Isabel Martínez Sánchez  
Santiago Bordera Sanjuán  
Vicente Urios Moliner  
Salvador Giner Alberola  
Marta Saloña Bordás (Universidad del País Vasco)

**Team 5: Analytical Chemistry and Translational Immunology**

**Areas:** 20, 21, 22, 23, 24, 25, 26, 27, 28, 29

**Members:**

Nuria Grané Teruel  
José Miguel Sempere Ortells  
José Luis Todolí Torró  
José Miguel Benito Huete (Hospital Universitario Carlos III)  
Adolfo Campos Ferrer (UMH)  
Antonio Canals Hernández  
Magdalena García Irlés  
M<sup>a</sup> Carmen Garrigós Selva  
Luis Gras García  
Guillermo Grindaly Lledó  
Montserrat Hidalgo Núñez  
Alfonso Jiménez Migallón  
Salvador Maestre Pérez  
Francisco M. Marco de la Calle  
Rosa María Martínez Espinosa  
Juan Mora Pastor  
María Soledad Prats Moya  
Begoña Vázquez Araujo  
Lorena Vidal Martínez  
Juana Jordá Guijarro  
Antonio Sánchez Sánchez  
María del Mar Cerdán Sala  
Francisco Javier Navarro Blasco  
Frutos Mahuenda Egea

**Team 6: Coding and Optimisation**

**Areas:** 30, 31, 32, 33, 34, 35, 36

**Members:**

Joan Josep Climent Coloma  
Juan Enrique Martínez Legaz  
Víctor J. Climent Payá





## ADMISSION PROCEDURE

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1. To be admitted in a doctoral program at the University of Alicante, it is necessary to fill in an [electronic pre-registration form](#), available annually on the [EDUA website](#).
2. Before starting the pre-registration process, it is advisable to consult the website of the chosen doctoral program in order to know the admission requirements demanded by the program.
3. The Academic Commissions (AC) are in charge of the admission process in the different doctoral programs.
4. The academic commissions decide annually the offer of places in every doctoral program according to the preconditions established in its Verified Memory. The commission may determine not to offer places when not having directors or tutors at any research line.
5. If the resolution is of "no admission", in the computer application the reasons for the same will be detailed, having a calendar month to formulate an appeal before the AC; from the date of the resolution.

## ACCESS PROCEDURE

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1. In parallel with the admission process carried out by the AC, the Doctoral School (EDUA) verifies that the documentation provided is the one requested in the pre-registration form.
2. Applicants with higher studies attained in countries different from the EHEA\*, at the moment of pre-registration process should pay an administrative fee for the study of their documentation, (equivalence study). The price of the rate is fixed annually by the Government of the Generalitat Valencia, by Decree.
3. People who do not provide the documentation in the terms required in the access process, may rectify this incident within 15 calendar days, from EDUA communication or, exceptionally, within the period determined by EDUA according to the concurrent circumstances.
4. When the incidents detected have not been resolved in the form and time determined by EDUA, the originated file academic record will be closed, without further processing.
5. The Doctorate School will proceed to open academic records to those who have been admitted by the AC and have correctly provided the required documentation, sending them an email with instructions to complete the enrolment process.

**When the result is "no admission" it is possible to consult the grounds in the available electronic application. It is possible to raise administrative appeal (recurso de alzada) against AC resolution, within a month since resolution date.**

\*EHEA: European High Education Area

**Registered in the Record of Universities, Centres and Degrees (RUCT)**

Authorization Comunidad Valenciana: 28/03/2014

**Published BOE 12/06/2014**

**REGULATION**

Real Decreto 576/2023, de 4 de julio, que modifica el Real Decreto 99/2011, de 28 de enero, por el que se regulan las enseñanzas oficiales de doctorado (Official State bulletin July 18, 2023)

Royal Decree 99/2011, January 28, which regulates official doctoral degrees (Official State bulletin February 10 2011)

**COMPLETE REGULATIONS**

[Verified Report](#)

[Resolution from the Universities Council: Positive verification](#)

[Authorization from the Valencian Government](#)

[Resolution from the Universities Council: Accreditation renewal \(2021\)](#)

## INTERNAL QUALITY ASSURANCE SYSTEM (SGIC) OF THE DEGREE

- **Structure of the Centre for Quality**
  - [Comission of Internal Quality Guarantee](#)
  - [Other Commissions](#)
- **SGIC Handbook**
- **Procedures**
  - [Strategic \(PE\)](#)
  - [Key \(PC\)](#)
  - [Support \(PA\)](#)
  - [Measurement \(PM\)](#)

**Management of the SGIC** (Acces to ASTUA)

## DEGREE MONITORING

- [Self-reports UA](#)
- [AVAP External reports](#)
- [Other reports](#)
- Improvement plans
- [Progress and learning outcomes](#)