



MONDAY, 12 th	
9:00-9:15 h	Welcome Dr. Gerardo Boto Varela Director of the PhD School
9:15-9:45 h	Plenary lecture Dr. Esther Badosa Romáño
9:45-11:30 h	Session 1. Organisms, ecology and compound production
11:30-12:00 h	Coffee break
12:00-13:45 h	Session 2. Agriculture, food biotechnology and nutrition
14:00-15:00 h	Lunch
15:00-16:45 h	Session 3. Bioactive peptides
16:45-17:15 h	Coffee break
17:15-18:45 h	Session 4. Food technology

TUESDAY, 13 th	
9:00-9:30 h	Plenary lecture Dr. Teresa Cabruja Ubach
9:30-11:30 h	Session 5. Health and sport
11:30-12:00 h	Coffee break
12:00-13:30 h	Session 6. Molecular biology and biomedicine
14:00-15:00 h	Lunch
15:00-16:45 h	Session 7. Education, psychology and health
16:45-17:15h	Coffee break
17:15-18:45 h	Session 8. Biotechnology and biomedicine

WEDNESDAY, 14 th	
9:00-9:30 h	Plenary lecture Dr. Victoria Cabedo Soto
9:30-11:30 h	Session 9. Synthesis and catalysis
11:30-12:00 h	Coffee break
12:00-13:45 h	Session 10. Water treatment
14:00-15:00 h	Lunch
15:00-16:45 h	Session 11. Computational dynamics: astrodynamics, fluid dynamics and molecular dynamics
16:45-17:15 h	Coffee break
17:15-19:00 h	Session 12. Computational and theoretical chemistry

THURSDAY, 15 th	
9:00-9:30 h	Plenary lecture Dr. Jose Luis Prades Celma
9:30-11:30 h	Session 13. Society, public policy and feminism
11:30-12:00 h	Coffee break
12:00-14:00 h	Session 14. Architecture, urbanism and heritage
14:00-15:00 h	Lunch
15:00-16:30 h	Session 15. Humanities
16:30-17:00 h	Coffee break
17:00-18:45 h	Session 16. Art and society

We kindly request all attendees to register for each session ~**15 min before it starts**. Please, mind that the starting time of the first session is at 9:00h, with the welcome or plenary lecture. You will find the registration table right in front of the entrance venue (Sala de Graus of the Law Faculty).

The coffee break will be provided by the organization.

After Wednesday's last session, the Doctoral School will also invite to refreshments!



MONDAY, 12th

<p>09:00-09:15 h</p>	<p>Welcome Dr. Gerardo Boto Varela Director of the PhD School</p>	
<p>09:15-09:45 h</p>	<p>Plenary lecture "The challenge: enjoying the journey". Dr. Esther Badosa Romà (Universitat de Girona)</p>	
<p>09:45-11:30 h Session 1. Organisms, ecology and compound production</p>	<p>"Butyric acid and butanol production from CO₂ in low gap mes cells". Meritxell Romans Casas "Biofilm formation strategies affect metanogenic activity and resilience to oxygen intrusion". Preet Kamal Kaur Singh "Exploring catalan and french salmonella spp. genomes from dry fermented sausages". Núria Ferrer-Bustins</p>	<p>"Monitoring C. Acetobutylicum, C. Carboxidivorans and C. Cellulovorans in Clostridial consortia by quantitative PCR". Laura Feliu Paradedà "Genetic diversity of catalan chub (Squalius laietanus) populations". Núria Pérez Bielsa "Management of the box tree moth pest in experimental plots". Fiona Corominas Godori "A study on the diversity of tardigrades in rural vs. urban environments". Paula Mendoza Casanova</p>
<p>11:30-12:00 h</p>	<p>Coffee break</p>	
<p>12:00-13:45 h Session 2. Agriculture, food biotechnology and nutrition</p>	<p>"Development of a beneficial microbial consortia with plant biosimulant effect". Núria Giralt "Characterization of different lupine varieties to obtain protein isolates for food applications". Pau Taberner "Study of the co-occurrence of breast myopathies in broilers". Míriam Muñoz "Development of effective nutrition information communication systems". Mar Giró-Candanedo</p>	<p>"Evaluation of the technological and nutritional sustainability of underutilized european crops from the development of new plant-based beverages as milk substitutes". Marc Piella Invited conference: "Communicating food sustainability to consumers: exploring the use of implicit approaches to assess institutional campaigns". Alejandra Bermúdez (IRTA – Universitat de Barcelona)</p>
<p>14:00-15:00 h</p>	<p>Lunch</p>	
<p>15:00-16:45 h Session 3. Bioactive peptides</p>	<p>"Structural elucidation of peptide conjugates and study of their interaction with lipid membranes". Gerard Riesco-Llach "Synthesis of peptaibols as potential candidates against Xylella fastidiosa". Jordi Lamata "Peptides with in vitro antibacterial activity against the plant pathogenic bacterium Xylella fastidiosa". Yousra El Hmidi "Peptides as plant defense elicitors on almond (Prunus dulcis)". Luis Moll.</p>	<p>"Nicotiana benthamiana as a model plant to study the pathogenicity and control methods of Xylella fastidiosa". Aniol Buisac "Antimicrobial peptides as potential defense elicitors in the model plant Nicotiana benthamiana". Omayma Belkaid Invited conference: "Peptides: From synthesis to biotechnological applications". Omar Luna (Institut de Química Avançada de Catalunya; IQAC-CSIC)</p>
<p>16:45-17:15 h</p>	<p>Coffee break</p>	
<p>17:15-18:45 h Session 4. Food technology</p>	<p>"Effect of extrusion conditions on the physicochemical and sensory characteristics of high-moisture meat analogs from pea protein isolate". Clara Barnés i Calle "Modelling of radiofrequency heating of packed liquid foods moving on a conveyor belt". Andres Abea "How high pressure processing can assure the food safety of baby fruit puree?". Berta Torrents-Masoliver</p>	<p>"Modelling of salt uptake for salt content standardization in dry-cured ham". Eva Torres i Baix "Morphological and firmness characteristics of crossed iberian and pure duroc pig bellies". Michela Albano-Gaglio "Substitution of allergenic compounds in the formulation of pork liver mousses". Narcís Feliu Alsina</p>

TUESDAY, 13th

<p>09:00-09:30 h</p>	<p align="center">Plenary lecture</p> <p align="center">"Challenges in social research: equality and intersectionality". Dr. Teresa Cabruja Ubach (Universitat de Girona)</p>	
<p>09:30-11:30 h</p> <p>Session 5. Health and sport</p>	<p>"Effectiveness of the application of a nursing intervention program in the management of parental anxiety and child pain in the surgical process of children who are going to be circumcised. Preliminary results of childhood pain". Lyudmyla Andrusenko Kalchenko</p> <p>"Evaluation of an education intervention for Primary Care nurses in the improvement of diagnosis, treatment and registration in the clinical history of people with venous leg ulcer: a research project". Anna Garcia.</p> <p>"Relationship between the format of clinical questions, quality of evidence and number of recommendations". David Ramírez</p>	<p>"Optimization of forensic data collection: database ad hoc". Maria Luisa Fúnez</p> <p>"Time saving intervention in youth basketball players. Are we applying the appropriate training stimulus at every developmental stage?". Arnau Sacot</p> <p>"An integrated neuromuscular training program applied during physical education classes increases salivary adiponectin concentration in healthy school-aged children". Fidanka Vasileva</p>
<p align="center">11:30-12:00 h Coffee break</p>		
<p>12:00-13:30 h</p> <p>Session 6. Molecular biology and biomedicine</p>	<p>"Inhibition of cancer stem-like cells by curcumin derivatives in TNBC cells". Maria Ros</p> <p>"Dosimetric comparison of heart substructures for free breathing between deep inspiration breath hold for left sided breast cancer radiation therapy". Ingrid Romera Martínez</p> <p>"Iron metabolism dysregulation in huntington's disease is not exclusive to the striatum". Teresa Samperi</p> <p>"Molecular mechanisms of arrhythmogenic cardiomyopathy". Estel Artigas i Meleiro</p>	<p>"Salivary cardiac-enriched fhl2-interacting protein (cefip) is associated with higher diastolic to systolic blood pressure ratio, sedentary time and physical activity in healthy school-aged children". Fidanka Vasileva</p> <p>Invited conference: "Physical activity and vitamin D supplementation effects in patients with type 2 diabetes". Elnaz Dardashtipour (Blanquerna - Universitat Ramon Llull)</p>
<p align="center">14:00-15:00 h Lunch</p>		
<p>15:00-16:45 h</p> <p>Session 7. Education, psychology and health</p>	<p>"CBT4CBT web-based add-on treatment for cocaine use disorder: preliminary results of a randomized controlled trial". Alba Palazón Llecha</p> <p>"The influence of emotions: Exploring the impact of negative emotional states on visual perspective-taking level 2". Alaitz Intxaustegi</p> <p>"What factors influence the decision-making processes in non-kinship foster care?". Rosa Sitjes-Figueras</p>	<p>"Breaking myths about the inability to care in mothers with a mental health diagnosis: physical contact, affection, and action for survival". Mireia Cots Melero</p> <p>"Social adaptation of children and youth from forced migrant families of Ukraine". Irina Pasenkova</p> <p>Invited Conference: "Practices and meanings in chemsex". Jorge Lucero Diaz. (Universitat Autònoma de Barcelona)</p>
<p align="center">16:45-17:15 h Coffee break</p>		
<p>17:15-18:45 h</p> <p>Session 8. Biotechnology and biomedicine</p>	<p>"Bioinformatic analysis and construction of DNA vaccine candidates against <i>Klebsiella pneumoniae</i> infection". Clàudia Navarro Sánchez.</p> <p>"Effect on the sterilization processes in polyvinyl alcohol hydrogels". Enric Casanova Batlle</p> <p>"Developmental and abscisic acid-induced suberization in potato roots". Estel Campmajó</p> <p>"Relevance of voltage-dependent anion channels for the regulation of sperm lifespan and capacitation". Ferran Garriga Font</p>	<p>"Sperm-rich fraction exhibits greater chromatin protamination and condensation". Estel Viñolas Vergés</p> <p>Invited conference: "Evaluation of mitochondrial function in skin fibroblasts as a biomarker for the efficacy of two physical activity programs in Parkinson's disease patients". Juan Carlos Magaña. (Blanquerna - Universitat Ramon Llull)</p>

WEDNESDAY, 14th

09:00-09:30 h	Plenary lecture "Astrochemistry and astrocatalysis". Dr. Victoria Cabedo Soto (Heriot-Watt University)	
09:30-11:30 h Session 9. Synthesis and catalysis	<p>"Indolizine synthesis from copper carbenes: a predictive catalysis approach". Roger Monreal-Corona</p> <p>"Regioselective access to orthogonal Diels-Alder C6o bis-adducts and tris-heteroadducts via supramolecular mask strategy". Míriam Pujals</p> <p>"Regio-selective bis-functionalization of fullerene C70 via supramolecular masks". Valentina Iannace</p> <p>"Synthesis of cyclic sulfamates by a rhodium-catalyzed nitrene/alkyne metathesis". Nil Insa</p>	<p>"Dearomatizative syn-dihydroxylation of arenes". Najoua Choukairi Afailal</p> <p>"Metal oxides towards the fixation of CO2 with epoxides: from homogeneous to heterogeneous catalysis". Thalia Ortiz-García</p> <p>"Exploring the stabilization of aluminium complexes by an aminophosphine borohydride motif". Enric Sabater</p> <p>Invited conference: "Serendipity and heuristics in synthetic methodology". Marina Bellido (Institut de Recerca Biomèdica de Barcelona)</p>
11:30-12:00 h	Coffee break	
12:00-13:45 h Session 10. Water treatment	<p>"Gravity Driven recycled membrane system for an urban wastewater treatment plant". Bianca Zappulla</p> <p>"Initial evaluation of retrofitting an existing reverse osmosis desalination plant for combining water reuse and desalination: design study". Rajashree Yalamanchili</p> <p>"Membrane technology development for volatile fatty acids concentration and purification". Pere Olives</p> <p>"Recovery of K-rich struvite from the waste sludge produced in a biological nitrogen removal unit treating swine manure". Emma Company</p>	<p>"Assessing Pollutant Interactions in Water with Polymer Inclusion Membranes (PIMs) for divalent metal ions". Nasim Khatir</p> <p>"Polymeric films modified with deep eutectic solvents for organophosphorus pesticides extraction from water samples. Ivonne Quintanilla</p> <p>"Development and optimization of a membrane photobioreactor for the recovery of resources (nutrients and water)". Cinthia Padilla</p>
14:00-15:00 h	Lunch	
15:00-16:45 h Session 11. Computational dynamics: astrodynamics, fluid dynamics and molecular dynamics	<p>"Solving classical astrodynamics problems by means of machine learning approaches". Isaac de Palau i Viñolas</p> <p>"Use of hydrodynamic modelling tools for the optimization of wastewater treatment plants". Carla Vázquez Gómara</p> <p>"Particle retention model in pressurized filters for drip irrigation". Juan Diego Betancur Gómez</p>	<p>"Study of the micro-irrigation pressure sand filters using numerical simulation". Jonathan Andres Graciano Uribe</p> <p>"Parametrization of oligomer maleic anhydride: a theoretical study for improvised simulations". Abhishek Anil Nair</p> <p>Invited Conference: "Moving towards new strategies in drug design, exploring the potential of fragment dissolved molecular dynamics". María Nuria Peralta Moreno (Universitat de Barcelona)</p>
16:45-17:15 h	Coffee break	
17:15-19:00 h Session 12. Computational and theoretical chemistry	<p>"Bottom-up approach to understand eumelanin oligomerization from 5,6-dihydroxy indole". Anju Manickoth</p> <p>"Generation of theoretical DHICA melanin models for the simulation of optical spectra". Daniel Bosch Coch</p> <p>"Simulation of electronic excitation in biomedical systems. Photophysical properties of porphyrin derivatives". Judit Gálvez Benitez</p>	<p>"Graphilic carbon-nitride molecules for electronic devices". Artur Brotons Rufes</p> <p>"Does serial femtosecond crystallography depict state-specific catalytic intermediates of the oxygen-evolving complex?". Gerard Comas i Vilà</p> <p>Invited conference: "How the chalcogen atom size dictates the hydrogen bonding capability of amides". Celine Nieuwland (Vrije Universiteit Amsterdam)</p>

THURSDAY, 15th

<p>09:00-09:30 h</p>	<p>Plenary lecture</p> <p>"The Two Cultures': Science and Humanities in the 21st Century". Dr. Jose Luis Prades Celma (Universitat de Girona)</p>	
<p>09:30-11:30 h</p> <p>Session 13. Society, public policy and feminism</p>	<p>"Homonationalism in Catalonia". Núria Sadurní Balcells</p> <p>"Factors that affect the quality of the public administration: case study ecuadorian public administration year 2021". María de los Ángeles Torres Paredes</p> <p>"Discursive analysis in the process of construction of laws regulating violence against women". Carolina Rea Gomez</p> <p>"Pandemics impact on Catalonia's social vulnerability: the spatio-temporal case of the COVID-19". Manuel Alejandro Moreno Vásquez</p>	<p>"Is climate change the problem? A feminist analysis of discourses on climate change in Spain and Catalonia". Maria Borràs Escayola</p> <p>"Contributions of the gender perspective to the professional practice of psychology in violence against women". Rubén López Lorenzo</p> <p>Invited conference: "Family and Employment: a never-ending conflict". Adriana Offredi Rodriguez (Institut de Govern i Polítiques Públiques; IGOP- UAB)</p>
<p>11:30-12:00 h Coffee break</p>		
<p>12:00-14:00 h</p> <p>Session 14. Architecture, urbanism and heritage</p>	<p>"Barcelona cathedral and its presbytery space (ca. 1298-1390): configuration, functionality and perception". Alejandro Piñel Bordallo</p> <p>"Discriminatory housing: The search for intercultural inclusivity in housing". Imen El Bahri</p> <p>"Design the capital, imagine the nation. Traditions, models and theories in tension for an artistic teaching of architecture at the university of buenos aires, 1878-1931". Magalí Franchino</p> <p>"Urban rural green infrastructure: method based on the contribution of nature and good living. The case of Cuenca – Ecuador". Giovany Albarracin</p>	<p>"Analysis and Modeling Spatiotemporal Events on Complex Spatial Regions". Somnath Chaudhuri.</p> <p>"Walking the line: socio-geographical connections on ancient pathways in the eastern catalan uplands". Imogen Simpson-Mowday</p> <p>Invited conference: "Material and power in medieval Avila's built environment". Hannah M. Thomson. (University of California, Los Angeles; UCLA)</p>
<p>14:00-15:00 h Lunch</p>		
<p>15:00-16:30 h</p> <p>Session 15. Humanities</p>	<p>"Hate and Flames: Revolutionary repression in Girona's province during Spanish Civil War". Ferran Chueca Ferré</p> <p>"Cesar martinell and the catalan baroque altarpiece: his contribution as an art historian, collector and restorer". Illán Holgado García</p> <p>"Evaluating the conservation education program of Fundació MONA. Impact in knowledge and attitudes towards primate welfare and conservation". Martí Masip Gimeno.</p>	<p>"Victims of the einbahnstrasse: crossed dialogues in the marking of time and the writing of history between W. Benjamin and J. Hejduk. Barbara Garcia</p> <p>"Els oblidats d'Etobon". Maria Ponsi Vilà</p> <p>Invited Conference: "Compassion in (S)pain: How Interest Groups Contribute to the perpetuation of animal captivity and exhibition". Olatz Aranceta. (Universitat Pompeu Fabra)</p>
<p>16:30-17:00 h Coffee break</p>		
<p>17:00-18:45 h</p> <p>Session 16. Art and society</p>	<p>"The construction of a collective memory through Teresa's Pàmies exile literature". Irene Quintana i Gispert</p> <p>"Feminisms and iberian difference: some notes for a toolbox of our's own". Saray Espinosa Rostán</p> <p>"Gay visual culture in post-francoism catalonia (1975-1984)". Víctor López</p>	<p>"The creation of an inequal future. Socioeconomic conditions, human development and predisposition to create". Artur Rubinat</p> <p>"Women's performances on the music's circuit in catalonia (1900-1950)". Olga Taravilla Baquero</p> <p>Invited conference: "The filmic-fluid body: Menstrual aesthetics in Barbara's Hammer films (1968-2015)". Miriam Sánchez Manzano. (Universitat Pompeu Fabra)</p>