
PhD Thesis 2013-14

PhD in Organic Chemistry

Universitat de Barcelona



1. Pablo Martín Gago

Synthesis of highly structured and receptor-selective tetradecapeptidic analogs of somatostatin: Fine tuning the non covalent interactions among their aromatic residues

Director: Dr. Antoni Riera (UB)

11/10/2013 11:30 h

2. Mònica Rosa Expósito

Disseny Racional de Lligands del Receptor Opioide i d'Anàlegs d'Opiorfin

Directors: Dr. Gregori València (IQAC-CSIC) & Dra. Gemma Arsequell (IQAC-CSIC)

21/10/2013 11:00 h

3. Alba López Ibáñez

Inhibidores de distintas ARNt sintetasas de Plasmodium Falciparum como potenciales agentes antimaláricos

Director: Dra. Miriam Royo (PCB)

14/11/2013 11:00 h

4. Xavier Just Baringo

Thiopeptides: Synthesis and structure-activity relationship studies

Directors: Dr. Fernando Albericio (UB) & Dra. Mercedes Alvarez (UB).

25/11/2013 16:00 h

5. *Sònia Matas Moya*

Reaccions adverses a penicil·lines: noves eines per la prevenció i el diagnòstic

Directors: Dra. Pilar Marco (IQAC-CSIC) & Dr. Roger Galve (IQAC-CSIC).

2/12/2013 11:30 h

6. *Peter Fransen*

Synthesis and versatile applications of oligoethylene glycol dendrons

Director: Dr. Fernando Albericio (UB).

5/12/2013 15:00 h

7. *Anna Iris Fernández Llamazares*

Backbone N-modified peptides: beyond N-methylation

Directors: Dr. Fernando Albericio (UB) & Dr. Jan Spengler (IRB).

9/12/2013 15:30 h

8. *Miquel Pellicena Zanón*

Construcció estereoselectiva d'enllaços C-C i C-O amb enolats de titani quirals. Síntesi total de l'herboxidiè.

Directors: Dr. Pedro Romea (UB) & Dr. Fèlix Urpí (UB).

17/01/2014 11:30 h

9. *Richard Souzek*

Synthesis of new heteropolycyclic compounds with potential antitumor activity

Director: Dr. Maria Dolors Pujol (UB).

28/01/2014 11:30 h

10. *Núria Aiguabella Font*

Reactivity and applications of new substrates for the intermolecular Pauson-Khand Reaction: N-Boc-propargylamines and trifluoromethyl alkynes

Directors: Dr. Antoni Riera (UB) & Dr. Xavier Verdager (UB).

7/02/2014 11:30 h

11. *Rubí Zamudio Vázquez*

Synthesis, biological evaluation and insights into the mode of action of quinoxaline containing peptides

Directors: Dr. Fernando Albericio (UB) & Dra. Judit Tulla (IRB).

14/02/2014 16:00 h

12. *Vida de la Paz Castro Pinzón*

Novel methodologies for solid and liquid phase peptide synthesis

Directors: Dr. Fernando Albericio (UB) & Dra. Hortensia Rodríguez (IRB).

14/03/2014 15:30 h

13. *Tobias Maria Postma*

Novel disulfide formation strategies in peptide synthesis

Directors: Dr. Fernando Albericio (UB)

21/03/2014 11:00 h

14. Xavier Companyó Montaner

Desenvolupament i estudi de noves reaccions d'addició i substitució mitjançant l'organocatàlisi asimètrica

Directors: Dr. Albert Moyano (UB) & Dr. Ramon Ríos (UB).

21/03/2014 11:30 h

15. Bernat Guixer Mañé

Chemically synthesized peptide libraries as a new source of BBN-shuttles. Use of mass spectrometry for peptide identification and quantification

Directors: Dr. Ernest Giralt (UB) & Dra. Meritxell Teixidó (IRB).

31/03/2014 15:30 h

16. Laia Miret Casals

Small molecules for modulating biological targets

Directors: Dr. Fernando Albericio (UB) & Dr. Antonio Zorzano (UB).

23/05/2014 15:00 h

17. Bernat Serra Vidal

Study of the amyloid beta-protein aggregation process associated to Alzheimer's disease. Examination of pharmaceutically important small molecules

Directors: Dr. Ernest Giralt (UB) & Dra. Natàlia Carulla (IRB).

27/05/2014 15:00 h

18. Sira Defaus Fornaguera

Glyco probes for capture and identifications of lectins from biological sources

Directors: Dr. David Andreu (UPF) & Dr. Ricardo Gutierrez (UPF).

20/06/2014 11:30 h

19. Ariadna Grau Campistany

Design, synthesis and study of the biological and biophysical activity of antimicrobial peptides

Director: Dr. Francesc Rabanal (UB).

17/07/2014 11:30 h

20. Adriana Lorente Crivillé

Marine natural products. Synthesis and structure determination

Directors: Dr. Fernando Albericio (UB) & Dra. Mercedes Alvarez (UB).

18/07/2014 11:00 h

21. Xavier Elduque Busquets

Conjugation and cyclization of polyamides derivatized with protected maleimides

Director: Dra. Anna Grandas (UB).

5/09/2014 11:00 h

22. Edgar Cristóbal Lecina

Catàlisi asimètrica con complejos de rodio e iridio. Aplicación en síntesis de compuestos biológicamente activos

Director: Dr. Antoni Riera (UB).

29/09/2014 11:00 h