



Raquel Alonso-Román

Microbial Pathogenicity Mechanisms Group
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Title PhD Project: Experimental dissection of the interaction of *Candida albicans* with antagonistic bacteria in a Gut-on-Chip model

Main Research Interests

- *Candida albicans* pathogenicity and commensalism.
- Role of intestinal microbiota in fungal infections.
- Gut-on-chip model.

Methodological Experiences

- Microfluidics and organ-on-chip
- Microbiology
- Cell culture

Curriculum Vitae

EDUCATION

- January 2019 – July 2019: **Master Thesis at the Biomimetic Systems for Cell Engineering Group** (Institute for Bioengineering of Catalonia, Barcelona, Spain).
- September 2018 – July 2019: **MSc in Biomedicine** (University of Barcelona, Spain).
- October 2017 – July 2018: **Bachelor Thesis at the Mycobacterial Genetics Group**, Department of Microbiology (Faculty of Medicine, University of Zaragoza, Spain).
- September 2014 – July 2018: **BSc in Biotechnology** (University of Zaragoza, Spain).

AWARDS

- January 2018: Selected for the **IBEC's Masters Programme** (Year 2018/2019).



RESEARCH EXPERIENCE

- August 2019 – October 2019: **Trainee at the High Content Screening Laboratory** (Faculty of Medicine, University of Turku, Finland).
- July 2018 – September 2018: **Trainee at the Department of Engineering and Natural Sciences** (Hochschule Merseburg, Germany).
- July 2017 – October 2017 and June 2018 – July 2018: **Trainee at the Applied Mechanics and Bioengineering Group** (Institute for Engineering Research in Aragon, Spain).

ADDITIONAL QUALIFICATIONS

- **Languages:**
 - Spanish: mother tongue.
 - English: C2 level certified by Cambridge University.
 - German: A2 level.
- Voluntary member at the **Bioscience Panel at Oxford University Press.**

Publications

Non-peer-reviewed articles, conference abstracts, theses

- Alonso-Román, R., Lucia, A., Franco, S., Aínsa-Claver, R., Ramón-García, S. (2018) Antimicrobial characterization of a new series of chemical compounds with antimicrobial activity. Poster at the XII Molecular Microbiology Congress, Zaragoza, Spain.
- García-Díaz, M, Cendra MM., Alonso-Román, R., Torrens, E. Martínez, E. (2019) Engineering a 3D biomimetic model of the intestinal inflammatory disease. Poster at the 12th IBEC's Symposium, Barcelona, Spain.