

<b>Department: Agriculture and Food</b>
---

**Group name:** *Oenological and Microbial Biotechnology*

**Acronym:** *UR-BIOTEC*

**Group Coordinator:** Ruiz Larrea, María Fernanda

**ANEP Area/s:** Food science and technology; Biomedicine

**Telephone:** +34 941299749

**E-mail:** fernanda.ruiz@unirioja.es

**Website:**

**Department Report:** 17/04/2015

---

**RESEARCH TEAM**

**No. of researchers:** 3

<u>Researcher</u>	<u>Department</u>	<u>Professional Category</u>
Ruiz Larrea, María Fernanda	Agriculture and Food	Full Professor
Palacios García, Antonio Tomás	Agriculture and Food	Associate
Tenorio Rodríguez, Carmen	Agriculture and Food	Associate Professor

---

**COLLABORATORS**

**No. of collaborators:** 0

<u>Collaborators</u>	<u>Department</u>	<u>Professional Category</u>
----------------------	-------------------	------------------------------

---

**Research areas**

Microbial biotechnology applied to the field of Oenology.

Study of the antimicrobial activity of various natural products against micro-organisms.

Characterisation of indigenous bacteria of biotechnological interest in fermentation and conservation of microbial biodiversity.

Effective microbiological control of wines.

### Scientific and technological offer

Microbiological counts and quantification. Classical microbiology techniques are used.  
Specific identification of microorganisms. Molecular Biology techniques are used.  
Control of inocula implantation in wine processing. The clonal identification of the following species is performed using Molecular Biology techniques: *S. cerevisiae* during FOH, *O. oeni* during FML.  
Control of surfaces for the microbiological control of contamination at winery level.  
Analysis of samples of wines and oenological products with microbiological contamination.

---

### National and International Relations

"Downstream Processing" group of Dr. Marcelo Fernández Lahore. JACOBS UNIVERSITY BREMEN (Germany. [www.jacobs-university.de/](http://www.jacobs-university.de/)).  
"Genetics and Biotechnology" Department Group of Dr. Gilberto Igrejas. UNIVERSITY OF TRÁS-OS-MONTES AND ALTO DOURO (UTAD) (Portugal. [www.utad.pt/](http://www.utad.pt/)).  
"Nutripass" Group of Dr. Jean-Pierre Guyot. INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT (IRD)(France. [www.ird.fr/](http://www.ird.fr/)).  
"MolGen" group of Dr. Oscar Kuipers. Groningen Biomolecular Sciences and Biotechnology Institute (GBB) UNIVERSITEIT GRONINGEN (Netherlands. [www.molgenrug.nl/](http://www.molgenrug.nl/)).  
"Biochemistry and Industrial Microbiology" group of Dr. Jonas Contiero. SAO PAULO STATE UNIVERSITY (UNESP) (Brazil. [www.rc.unesp.br/](http://www.rc.unesp.br/)).  
"Food Science and Technology" Group of Dr. Bassim Atta. UNIVERSITY OF TANTA (Egypt. [www.tanta.edu.eg/en/](http://www.tanta.edu.eg/en/)).  
"Microbial ecology and bacterial genetics" Group of Prof. David A. Mills of the Viticulture & Enology Departmentt., UNIVERSITY OF CALIFORNIA DAVIS (U.S.A. <http://mills.ucdavis.edu/david-mills>).  
"Enzyme biotechnology" group of Dr. Sebastian Cavalitto. Research and Development Center for Industrial Fermentations (CINDEFI, CONICET, La Plata) (Argentina [www.laplata-conicet.gov.ar/](http://www.laplata-conicet.gov.ar/)).