

<b>Department: Agriculture and Food</b>
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**Group name:** *Oenological and Microbial Biotechnology*

**Acronym:** *UR-BIOTEC*

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

**ANEP Area(s):** Food Science and Technology; Biomedicine

**Telephone:** 941299749

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

**Web page:**

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

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**RESEARCH TEAM**

**Number of researchers: 3**

<u>Researcher</u>	<u>Department</u>	<u>Professional category</u>
Ruiz Larrea, María Fernanda	Agriculture and Food	FP
Palacios García, Antonio Tomás	Agriculture and Food	Associate
Tenorio Rodríguez, Carmen	Agriculture and Food	TP

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**COLLABORATORS**

**Nº of collaborators: 0**

<u>Collaborators</u>	<u>Department</u>	<u>Professional category</u>
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**Lines of research**

Microbial biotechnology applied to the field of Oenology.

Study of the antimicrobial activity of various natural products against microorganisms.

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

Effective microbiological control of wines.

### Scientific and technological offer

Microbiological counts and quantification. They are performed using classical Microbiology techniques.  
Specific identification of microorganisms. This is carried out using Molecular Biology techniques.  
Control of the implantation of inoculums in the elaboration of wines. The following species are identified clonally by Molecular Biology techniques: *S. cerevisiae* during the FOH of *O. oeni* during MLF.  
Surface control for microbiological control of contaminations at the winery level.  
Analysis of wine samples and oenological products with microbiological contamination.

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### National and international relations

Downstream Processing Group. Dr. Marcelo Fernández Lahore, JACOBS UNIVERSITY BREMEN (Germany. [www.jacobs-university.de/](http://www.jacobs-university.de/)).  
Group of the "Genetics and Biotechnology" Dept. Dr. Gilberto Igrejas, UNIVERSITY OF TRÁS-OS-MONTES AND ALTO DOURO (UTAD) (Portugal. [www.utad.pt/](http://www.utad.pt/)).  
Nutripass Group. Dr. Jean-Pierre Guyot, INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT (IRD) (France. [www.ird.fr/](http://www.ird.fr/)).  
"MolGen" Group. 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. Dr. Jonas Contiero, UNIVERSIDADE ESTADUAL PAULISTA (UNESP) (Brazil. [www.rc.unesp.br/](http://www.rc.unesp.br/)).  
"Food Science and Technology" Group. Dr. Bassim Atta, UNIVERSITY OF TANTA (Egypt. [www.tanta.edu.eg/en/](http://www.tanta.edu.eg/en/)).  
"Microbial ecology and bacterial genetics" group. Prof. David A. Mills of the Dpt. Viticulture & Enology, UNIVERSITY OF CALIFORNIA DAVIS (U.S.A. <http://mills.ucdavis.edu/david-mills>).  
"Enzyme Biotechnology" Group. Dr. Sebastian Cavalitto, Centro de Investigación y Desarrollo en Fermentaciones Industriales (CINDEFI, CONICET La Plata) (Argentina. [www.laplata-conicet.gov.ar/](http://www.laplata-conicet.gov.ar/)).