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Título Profesional o Grado Académico (incluya el año de obtención):

**LICENCIATURA EN CIENCIAS QUÍMICAS (especialidad en Química Orgánica), UNIVERSIDAD DE VALLADOLID (ESPAÑA) 2000.**

**LICENCIATURA EN CIENCIAS C/M EN QUÍMICA, UNIVERSIDAD DE CHILE 2008.**

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Estudios de Postgrado o Especialización (institución donde lo obtuvo y año de obtención):

**DOCTORA EN BIOTECNOLOGÍA Y BIOLOGÍA MOLECULAR, UNIVERSIDAD DE LEÓN (ESPAÑA), 2008.**

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Reseña de su actividad laboral actual:

Área de Investigación: Química Orgánica (Productos Naturales Marinos)

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**PUBLICACIONES INDEXADAS:**

Henríquez, M., Vergara, K., Norambuena, J., Beiza, A., Maza, F., Ubilla, P., Araya, I., Chávez, R., San-Martín, A., Darías, J., Darías, M.J., Vaca, I.

Diversity of cultivable fungi associated with Antarctic marine sponges and screening for their antimicrobial, antitumoral and antioxidant potential

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[84879516449&partnerID=40&md5=a7c78e7b319280d1752626efb45e3b3a](http://www.scopus.com/inward/record.url?eid=2-s2.0-84879516449&partnerID=40&md5=a7c78e7b319280d1752626efb45e3b3a)

DOCUMENT TYPE: Article in Press

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Vaca, I., Faúndez, C., Maza, F., Paillavil, B., Hernández, V., Acosta, F., Levicán, G., Martínez, C., Chávez, R.

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Glucose-induced production of a *Penicillium purpurogenum* xylanase by *Aspergillus nidulans*

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San-Martín, A., Roviroso, J., Vaca, I., Vergara, K., Acevedo, L., Viña, D., Orallo, F., Chamý, M.C.

New butyrolactone from a marine-derived fungus aspergillus SP

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Ullán, R.V., Teijeira, F., Guerra, S.M., Vaca, I., Martín, J.F.

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Areche, C., Vaca, I., Loyola, L.A., Borquez, J., Roviroso, J., San-Martín, A.

Diterpenoids from *azorella madreporica* and their antibacterial activity

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[77958560250&partnerID=40&md5=5b4153bca2e428e1e3e2103763c64da2](http://www.scopus.com/inward/record.url?eid=2-s2.0-77958560250&partnerID=40&md5=5b4153bca2e428e1e3e2103763c64da2)

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Chávez, R., Roa, A., Navarrete, K., Trebotich, J., Espinosa, Y., Vaca, I.

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Molecular characterization of a fungal gene paralogue of the penicillin penDE gene of *Penicillium chrysogenum*

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Teijeira, F., Ullán, R.V., Guerra, S.M., García-Estrada, C., Vaca, I., Martín, J.F.

The transporter CefM involved in translocation of biosynthetic intermediates is essential for cephalosporin production

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García-Estrada, C., Ullán, R.V., Velasco-Conde, T., Godio, R.P., Teijeira, F., Vaca, I., Feltrer, R., Kosalková, K., Mauriz, E., Martín, J.F.

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Ullán, R.V., Godio, R.P., Teijeira, F., Vaca, I., García-Estrada, C., Feltrer, R., Kosalkova, K., Martín, J.F.

RNA-silencing in *Penicillium chrysogenum* and *Acremonium chrysogenum*: Validation studies using  $\beta$ -lactam genes expression

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García-Estrada, C., Vaca, I., Fierro, F., Sjollema, K., Veenhuis, M., Martín, J.F.

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García-Estrada, C., Vaca, I., Lamas-Maceiras, M., Martín, J.F.

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Lamas-Maceiras, M., Vaca, I., Rodríguez, E., Casqueiro, J., Martín, J.F.  
Amplification and disruption of the phenylacetyl-CoA ligase gene of *Penicillium chrysogenum* encoding an aryl-capping enzyme that supplies phenylacetic acid to the isopenicillin N-acyltransferase  
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Ullán, R.V., Casqueiro, J., Naranjo, L., Vaca, I., Martín, J.F.  
Expression of cefD2 and the conversion of isopenicillin N into penicillin N by the two-component epimerase system are rate-limiting steps in cephalosporin biosynthesis  
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#### **PROYECTOS DE INVESTIGACIÓN:**

INVESTIGADOR RESPONSIBLE. 3095001 CHARACTERIZATION OF *PENICILLIUM CAMEMBERTI* STRAINS TRANSFORMED WITH MUTANT SUBUNITS FROM THE SUBGROUP I FROM A HETEROTRIMERIC G PROTEIN AND ITS USE TO FIND NEW GENES INVOLVED IN FUNGAL DEVELOPMENT AND CYCLOPIAZONIC ACID BIOSY. 2009

INVESTIGADOR RESPONSIBLE 11090192. BIOACTIVE COMPOUNDS OBTAINED FROM NEW FUNGI ISOLATED FROM ANTARTIC MARINE SPONGES. 2009

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