



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
Ciencias de la Vida	Biomedicina	RYC-2012-12333	BUSTAMANTE , JUAN MANUEL	juanbus@uga.edu	<p>Since I was an undergraduate and graduate student at the University of Cordoba, Argentina, in the laboratory of Dr. Patricia Paglini, I have developed a strong interest in understanding the immune responses, pathogenesis, treatment and control of Trypanosoma cruzi infection and the resulting disease known as Chagas disease. Much of the work performed in those years allowed me to acquire experience in animal anatomy, physiology and molecular biology. I also studied the effects of T. cruzi strains during the evolution of the infection and how different strains may contribute to the outcome of the disease severity, in addition to studies on the chemotherapy of T. cruzi infection. I lead all the experiments and carried out all the techniques concerning these investigations that ended in very productive years with 11 publications in these topics. With the help of a fellowship from the Ellison Medical Foundation, I started research training in immunology in the laboratory of Dr. Rick Tarleton, in the Center for Emerging Global Diseases at the University of Georgia. The main goal was to study the immune responses in T. cruzi infected mice under treatment with benznidazole. This training was the fuel for my continuous interest in immunology, treatment and resistant to T. cruzi infection. During this postdoc period, I acquired a very important training in a wide range of immunological techniques. As a postdoctoral associate at the University of Georgia, I have carried out research studies to test the efficacy of several treatment protocols to cure T. cruzi infection. In addition, I also have performed studies exploring the changes in the antibodies and T cell responses as biomarkers of treatment efficacy and cure in T. cruzi infection. The research performed as a postdoctoral associate was a key for the development of this proposal and was, together with other studies, one of the pillars to create The Chagas Drug Discovery Consortium. This consortium is a highly productive collaboration of more than 20 experts groups in drug discovery as well as in other aspects of Chagas disease, representing in a unique consortium of academic, industrial, governmental and non-governmental institutions from the Americas and Europe. As I became an Assistant research scientist I have continue exploring the development of better treatment protocols and therapies in T. cruzi infection and searching for new of immunological markers or biomarkers of treatment efficacy and cure in Chagas disease. I have succeeded in handling these projects, supervising the in vitro and in vivo experiments of the Chagas Drug Discovery Consortium as well as produced several peer-reviewed publications from each project. I have recently been awarded with research funds to study the efficacy of intermittent benznidazole treatment on Trypanosoma cruzi infection in primates. Completion of this study would provide the necessary baseline data and established tools (biomarkers of cure) for an extended project to test a number of intermittent treatment protocols in larger groups of non-human primates. We expect this overall set of studies to have a significant impact on treatment protocols for Chagas disease and may make BZ a much more highly tolerated and thus increasingly utilized form of treatment</p>
Ciencias	Física y	RYC-2012-	SUAREZ YANES,	jcsuarez@iaa.csic.es	My main research line focuses on one of the principal challenges of the stellar physics: understanding



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
Básicas	Ciencias del Espacio	09913	JUAN CARLOS		<p>the physical processes governing the angular momentum transport in stellar interiors, and their role on the structure and evolution of stars. Theory predicts that angular momentum is affected by thermal and dynamical instabilities (including those coming from magnetic fields, evolution, matter accretion, etc.), causing meridional circulation, differential rotation, and turbulence. In order to study these processes, the stellar internal rotation distribution must be known for different stellar structural properties and evolutionary stages. Thanks to very precise seismic space data, this is partially achieved for the Sun (SOHO) and red giants (Kepler); however no equivalent information is available for other stars with different physical properties. I tackle this problem using asteroseismology, which allows probing the internal layers of stars, which is necessary to infer the distribution of the internal angular momentum. I develop this research in two main aspects: 1) rotation-pulsation interaction, and 2) identification of oscillation modes. In (1), I seek to understand how rotation affects the oscillation modes throughout the stellar interior. In (2), I study the impact of such effects on the identification of the oscillation modes. This research line requires the study of very different type of (pulsating) stars, covering a wide range masses and evolutionary stages, allowing me to study from low-mass stars (solar-type) to giants (B-type).</p> <p>All these activities are developed within ground-based instruments and space missions: CoRoT (CNES-ESA, flying), Kepler (NASA, flying), Planet Vision (ESA, S candidate), and PLATO (ESA, M3 candidate), projects in which I am strongly involved with several responsibilities. In particular, I am member of the PLATO Mission Consortium Board (PMC), and responsible of a Working Package within the PLATO Data Center, and responsible for the development and construction of the Main Electronic Units (MEUs). I am the Spanish coordinator of the asteroseismology science case in Planet Vision, and the IAA responsible of the asteroseismology science case of the CARMENES@3.5m.CAHA V-NIR spectrograph instrument project.</p> <p>In addition, I am also P.I of the technical project VOTA (Virtual Observatory Tool for Asteroseismology), which a VO tool being developed by the Spanish VO team, conceived for the efficient interpretation of large datasets from space missions.</p> <p>In terms of publications my CV counts with 139 publications with a total of 1430 citations from which (71 refereed with 1315 citations, 59 refereed SCI with 1287 citations, 18 as first author with 265 citations). The impact factor H is 23 (Nov 2012). The rate of publications/year during the last 5 years is 15.3 (all), 10 (refereed), 8.3 (SCI). I have given 3 invited reviews, organized 1 international conference, and edited 1 book. I have been granted with 2 founded (AYA) projects (25000+13000 euros) and 1 FP7 project as responsible of beneficiary institution (2 Meuros).</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
Ciencias Básicas	Química	RYC-2012-10473	CONCELLON FERNANDEZ, MARIA DEL CARMEN	carmen.concellon@gmail.com	<p>La candidata, Dr. Concellón, se licenció en Química en el año 2001 en la Univ. de Oviedo. A continuación se trasladó a la Univ. de Bristol (UK), donde trabajó en el grupo del Prof. Timothy Gallagher durante 10 meses bajo la financiación de una beca Sócrates/Erasmus de postgrado. Finalizado este periodo en el que la Dr. Concellón se inicia en el mundo de la investigación, la candidata comenzó, en 2002, su Tesis Doctoral en la Univ. de Oviedo bajo la supervisión del Prof. José M. Concellón y con la financiación correspondiente a una beca FPI. Durante los siguientes 4 años la candidata desarrolla dos estancias cortas, una de ellas en la Univ. de Bristol (grupo del Prof. Timothy Gallagher) en 2003 y la otra en la Univ. de Oxford (grupo del Prof. Stephen G. Davis) en 2004. En 2006, la Dr. Concellón defiende su Tesis Doctoral y a continuación se traslada a la Univ. de St Andrews (UK), donde durante dos años y seis meses (contrato de un año y beca postdoctoral MEC/Fullbright) llevará a cabo su investigación post-doctoral en el grupo del Prof. Andrew. D. Smith. En Octubre de 2009, la candidata se incorpora a la Univ. de Oviedo con un contrato de 3 meses para trabajar en el grupo del Prof. José M. Concellón. En Enero de 2010, la Dr. Concellón toma posesión de un contrato Juan de la Cierva. Desde entonces y hasta la actualidad, la candidata no sólo ha trabajado en las líneas de investigación propias del grupo receptor, sino que debido al cambio de IP en el grupo, la Dr Concellón comienza una nueva línea de investigación totalmente independiente.</p> <p>En términos de docencia la Dr. Concellón, se inicia en la misma durante su periodo post-doctoral impartiendo clases de problemas y prácticas de laboratorio. Continúa con su labor una vez reincorporada en la Univ. de Oviedo, dando clases de problemas, tutorías grupales y prácticas de laboratorio. Ha dirigido una Tesis Doctoral, una Tesina y un Trabajo Fin de Master.</p> <p>En resumen, el trabajo de la candidata ha dado lugar a una patente y 35 artículos científicos, todos ellos publicados en revistas de carácter internacional. Cabe decir, así mismo, que la candidata ha presentado su trabajo en 7 congresos, de los cuales 4 son internacionales. Esto prueba la habilidad de la Dr. Concellón para desarrollar su actividad investigadora de forma exitosa en todos los grupos de investigación de los que ha formado parte, independientemente de la gran diversidad de campos de investigación en los que se han encuadrado sus proyectos. Cada periodo de investigación, incluyendo las estancias cortas en el extranjero, han dado lugar a una publicación científica como mínimo. Cabe enfatizar el éxito de la candidata en su actual periodo de investigación ya que, tras los grandes cambios estructurales sufridos en el grupo de investigación del que forma parte la Dr. Concellón ha desarrollado una nueva línea de investigación independiente, sin relación con la química tradicional del grupo. Este trabajo ha dado lugar a 5 artículos científicos en revistas internacionales en los que la candidata es <b>corresponding autor</b>.</p> <p>Fruto de toda su labor investigadora y docente, la candidata posee un índice h de 12, ha sido habilitada por la ANECA como Profesor Contratado Doctor, Profesor Ayudante Doctor y Profesor de Universidad Privada y es censor habitual de Tetrahedron Letters (Elsevier) y Green Chemistry (Royal</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
Ingenierías y Tecnología	Ciencia y Tecnología de Materiales	RYC-2012-10004	HERNANDEZ GARRIDO, JUAN CARLOS	jcarlos.hernandez@uca.es	<p>Society of Chemistry).</p> <p>Graduated in Chemistry (2002) by the University of Cádiz, I made my PhD in Sciences (2007) -awarded with the Outstanding PhD Thesis Award- in the Department of Materials Science, Engineering Metallurgy and Inorganic Chemistry by the same university. My PhD thesis was focused in the application of advanced transmission electron microscopy techniques for the characterization of catalytic nanomaterials. During this predoctoral stage, I was awarded with a FPI fellowship from the Spanish Ministry of Science and Technology, as well as distinctions at international level as it is the Prize for Young Scientists (2006) granted by the International Federation of Societies for Microscopy, and also I made several stays at different electron microscopy labs of excellence as it is the John M. Cowley Center for High Resolution Electron Microscopy (Arizona State University, US) or the Laboratoire de Physique des Solides (Université Paris Sud, France). In 2007 I joint, as Associate Researcher, the Electron Microscopy Group led by Prof P. Midgley in the Department of Materials Science and Metallurgy in the University of Cambridge (UK) where I participated in research projects related with the application of the electron tomography technique in the field of materials science in collaboration with other European research groups and industrial companies. In 2011 I got a Researcher position at the University of Cadiz as a Juan de la Cierva Fellow (JCI-2010-06616). I was awarded this contract in the 2010 call of this Research Excellence program after being ranked as number 4 out of 112 candidates in the area of Materials Science and Technology. I have participated in several R&amp;D&amp;I competitive research projects, funded by both national and international agencies, from which I would highlight those funded by the 6th and 7th Framework Programme of the European Union. I am co-author of more than 40 articles in prestigious international journals which accumulate a total of 336 cites and h-index = 12 (source Scopus). 80% of these articles are published in journals within the first quartile (Q1): Science, Nano Letters, Chemistry of Materials or Angewandte Chemie. I am also regular referee for journals from different editorials: Wiley-VCH, Elsevier Science BV, the Royal Society of Chemistry or the American Chemical Society. I am External Consulter and co-author of 2 patents of industrial property, leading several projects with international companies, participating in related transference activities. As part of my young entrepreneur profile, I have promoted the creation of a spin-off technology-based company which received the Best idea and Best business plan Prizes awarded by the OTRI (Office of Research Results Transference) of the University of Cádiz (2010). I have presented important contributions to national (10) and international (45) congresses from which I would highlight those presented as invited speaker (9) in areas of Microscopy and/or Materials Science. In this sense, I have participated as invited speaker in several electron microscopy workshops-schools organized by prestigious institutions like the Royal Microscopy Society or the University of Oxford. Currently, I am supervising two PhD thesis projects and I have received positive assessments by</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					ANECA as ♦Profesor Ayudante Doctor♦(2008) and "Profesor contratado doctor"(2012).
Ciencias de la Vida	Biología Vegetal, Animal y Ecología	RYC-2012-11109	DE CACERES AINSA, MIQUEL	miquelcaceres@gmail.com	<p>I started my research career in 1999, in a medical bioinformatics research group at the 'Institut Municipal d'Investigacions Mèdiques' (Barcelona). Although I did not pursue my activity in biomedical research afterwards, this initiation period granted me computer programming skills and a good sense of how research is conducted.</p> <p>I did my Ph.D. studies, between 2000 and 2005, at the University of Barcelona under the supervision of Xavier Font and Francesc Oliva. The main subject of my thesis was the improvement of multivariate methods for the classification of plant communities. Apart from publishing papers in peer-reviewed journals, two relevant outcomes of this period were: (1) a vegetation edition and analysis software package; and (2) an expert system aimed at providing automatic classification responses for plant communities.</p> <p>Between 2005 and 2008 I was part-time lecturer at the Statistics Department of University of Barcelona, where I taught Biostatistics, Data analysis and Experimental design. Between 2006 and 2009, I was also post-doctoral researcher at Pierre Legendre♦s laboratory at Université de Montréal (Canada). Thanks to both experiences, I gained a much broad perspective of ecological statistics in terms of relevant issues and possible solutions; and I was able to publish several papers in high-ranked scientific journals.</p> <p>Since August 2009, I am post-doctoral researcher at the 'Centre Tecnològic Forestal de Catalunya', in the Biodiversity and Landscape Ecology research group led by Dr. Lluís Brotons. My current research projects include developing methodologies to allow a more robust prediction of biodiversity distribution changes at the landscape level, in a dynamic context dominated by land-use changes, climate change and fire perturbations. In collaboration with several Spanish scientists and institutions, I am currently leading the development of a landscape simulation model to be applied in Mediterranean systems.</p> <p>I maintain several international research collaborations (Canada, China, Switzerland), where I often make extensive use of my experience in statistics and modeling. During 2011, I was at Landcare Research (Lincoln, New Zealand) for a two-months research stay, funded by a Bilateral Research Programme, where we applied novel classification approaches to New Zealand♦s forest vegetation.</p> <p>I am actively involved in several international collaborative initiatives supported and endorsed by the</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>International Association of Vegetation Science, such as the development of eco-informatic tools and the promotion of appropriate methods in vegetation classification studies. I am currently co-organizing an international workshop to be held in Rome in 2013, which will aim at discussing and reaching worldwide consensus about plot-based vegetation classification practices.</p> <p>Until present, I have participated in 27 ISI-indexed publications and taken part in five research projects granted in competitive calls. I have acted as reviewer for over 40 manuscripts in 24 different journals. Moreover, since autumn 2011 I am associated editor for Journal of Vegetation Science. Finally, I am author of several software applications and packages for the R statistical environment.</p>
Ciencias de la Vida	Agricultura	RYC-2012-10666	BASTIDA LOPEZ, FELIPE	fbastida@cebas.csic.es	<p>Felipe Bastida (20/09/1980), 32 years old, biologist by the University of Murcia (2003) and Doctor by the Technical University of Cartagena (2008) with Extraordinary Award. His main field of work is soil science, with emphasis in carbon cycling and the functional role of microorganisms in agriculturally abandoned soils. During his career, Bastida has published 28 SCI articles, being first author in 17 and senior author in 4 of them. Additionally, 4 more are under revision. His average number of cites per article is 15.5 in the field of soil science (2.9 higher than the world average, ISI).</p> <p>Bastida developed his PhD at the Department of Soil and Water Conservation (CEBAS-CSIC) from January-2004 to May-2008 funded by I3P and FPU pre-doctoral grants. During the PhD, his focus was the development of microbiological indexes of soil quality in semiarid areas and the restoration of degraded soils by application of organic amendments (UE INDEX project, Indicators and threshold for desertification, soil quality, and remediation). Within this topic he published 11 papers during his PhD, including publications in top journal of soil science (Soil Biology &amp; Biochemistry, Geoderma, Applied Soil Ecology) and environmental sciences (Chemosphere, Science of the Total Environment). Afterwards, he moved for a PostDoc position (2008-2010) at the Helmholtz Centre for Environmental Research (UFZ) in Leipzig (Germany) with a Marie Curie contract for 2 years at the Department of Isotope Biogeochemistry (ISOTONIC project, Isotope tools for combined investigations of structure and functions in microbial communities). During such period, he applied isotope techniques for environmental studies and developed new molecular biology methods based on proteomics. During his PostDoc in Germany, 4 SCI articles were published, including a Nature Protocols (8.3 IF), FEMS Microbiology Ecology and Environmental Microbiology Reports, and 4 more are under preparation/submitted. Since June 2010 he is Post-Doc scientist (JAE Doc) at CEBAS-CSIC and applies the acquired novel knowledge in proteomics and stable-isotope probing to the carbon cycling of agriculturally degraded soils (2 papers published in Soil Biology &amp; Biochemistry 2012, and two more are submitted). Within this topic, Bastida is co-director of a PhD student and the principal investigator of a 3-year Marie Curie Reintegration Grant (45000€).</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					Internationalization of Bastida includes stays for a total of 33 months abroad in Germany (7 months pre-doctoral and 24 months postdoctoral with a Marie Curie contract), USA (1 month, Oak Ridge National Lab for proteomic studies) and Italy (1 month, ISE-Pisa for humus-enzyme studies). A total of 13 articles have been published in collaboration with international researchers from Germany, USA and Japan, even as senior and independent author. Moreover, Bastida has participated in 18 National and International conferences and he is reviewer for more than 20 journals and member of the editorial board of Applied Soil Ecology. Overall, he has participated in 13 National- and UE- competitive projects being the principal investigator in 2 of them. Transfer of knowledge to private sector played an important role in Bastida's career including contracts with companies as principal investigator (8200) and as member of the research team at CEBAS-CSIC (3 projects, total budget of 114000).
Ciencias de la Vida	Biomedicina	RYC-2012-10042	PUIG VELASCO, MARIA VICTORIA	mvpuig@mit.edu	<p>My research interests involve the understanding of how the brain encodes sophisticated, higher-order cognitive tasks such as learning and memory, and how these are disrupted in brain disorders such as Alzheimer's or schizophrenia. The brain region key for these cognitive tasks is the prefrontal cortex. I have devoted my career to investigate the neural circuits and pharmacology of this brain region. I implemented my thesis in the Biomedical Research Institute of Barcelona (CSIC) under the supervision of Prof. Francesc Artigas and Dr. Pau Celada, with a predoctoral fellowship from the Biomedical Research Institute August Pi i Sunyer (IDIBAPS) in Barcelona. During my thesis, I mastered the recording of neuron activity in anesthetized rodents, and combined it with electrical stimulation, pharmacology, and microdialysis. My thesis work described how different serotonin receptors modulate neuron activity in the rodent prefrontal cortex. This work was presented in 7 separate papers, published in very prestigious international journals (J. Neuroscience, Cerebral Cortex, Biological Psychiatry), for which I was awarded the Extraordinary Award by the University of Barcelona. Subsequently, I performed a one year postdoctoral stay in Japan, in Prof. Yasuo Kawaguchi's laboratory, thanks to a postdoctoral fellowship awarded by the Japanese government (JSPS). There, I learned how brain waves and inhibitory neurons in the prefrontal cortex are modulated by serotonin. From this work, I published two papers in top scientific journals (PNAS and J. Neuroscience).</p> <p>Finally, I moved to the laboratory of Prof. Earl Miller, Dept. of Brain and Cognitive Sciences at the Massachusetts Institute of Technology (MIT, USA), where I have spent 7 years. At MIT, I have been studying the role of dopamine receptors in learning and memory in macaque monkeys. During the first 3 years, I was funded by a postdoctoral fellowship from the Human Frontiers Science Program Organization. Currently, I hold a research scientist position (permanent research staff), and my grants (co-supervised with Prof. Miller) have recruited \$500.000 for my projects, both from public (NSF) and private (Shire Pharmaceuticals, The Picower Foundation) agencies. Moreover, I have created a new</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					methodology for the recording of neural and oscillatory activities in the monkey brain during local infusions of drugs. Using this innovative technique, I have recently published a paper in the top neuroscience journal Neuron where we describe how dopamine D1 receptors modulate neural activity in the prefrontal cortex of monkeys performing a learning and memory task. Recent work on the role of dopamine D2 receptors is being written up for publication. My current work focuses on cognitive enhancement of learning and memory, in collaboration with another laboratory at MIT, and a laboratory at the Broad Institute of MIT and Harvard. In this project, I am the group leader, coordinating the work of the three research laboratories, two analytical companies, and the Veterinary Dept. of MIT, to find new epigenetic therapies for Alzheimer's disease. I am also the scientific coordinator of a separate project, funded by Shire Pharmaceuticals, to test new compounds with memory enhancing properties in monkeys. In these 2 projects, I directly supervise a graduate student and two technical assistants.
Ciencias Básicas	Física y Ciencias del Espacio	RYC-2012-10819	HERDOIZA , GREGORIO	gregorio.herdoiza@uam.es	<p>My research activity aims at assessing the validity of the Standard Model of elementary particles in physical processes governed by non-perturbative phenomena. I am particularly interested in the study of quantities relevant for ongoing experimental and phenomenological studies of flavour physics. In the framework of Lattice Gauge Theory, I develop conceptual and numerical approaches to render the study of Quantum Chromodynamics (QCD) as realistic as possible. I have given significant contributions to state of the art simulations of QCD including the effects of up, down, strange and charm sea quarks.</p> <p>RESEARCH FIELD: Particle Physics Theory, Standard Model Phenomenology, Flavour Physics, QCD, Lattice Gauge Theory.</p> <p>RESEARCH INTERESTS: Lattice QCD and its connection to Flavour Physics, Dark Matter direct detection, Hadron Spectroscopy, Structure Functions of Hadrons, Chiral Perturbation Theory, Heavy Quark Effective Theory, Non-Perturbative Renormalisation.</p> <p>EDUCATION:</p> <ul style="list-style-type: none"> <li>* 2004: Ph.D. in Theoretical Physics, LTP - Orsay, France.</li> <li>* 2000: Magistère de Physique Fondamentale: Université de Paris XI - Orsay, France.</li> </ul>





**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>RESEARCH EXPERIENCE:</p> <ul style="list-style-type: none"> <li>* 2013-: Research associate at the Institute of Nuclear Physics, Johannes Gutenberg-Universität Mainz, Germany.</li> <li>* 2010-: Postdoctoral Researcher at the IFT, UAM/CSIC, Spain.</li> <li>* 2007-: DFG and NIC Research Fellow at DESY, Germany.</li> <li>* 2005-: INFN Postdoctoral Researcher at INFN, Roma Tor Vergata, Italy.</li> <li>* 2003-: PPARC Research Fellow at School of Physical Sciences, Swansea University, UK.</li> </ul> <p>PUBLICATIONS: 48 of which 20 are in refereed journals.</p> <p>GRANTS: Principal investigator of the grant "Exploring Lattice QCD with Exact Chiral Symmetry" at the Leibniz Computing Centre which provided computing resources for a three year project involving two Ph.D. students and one MSc. student. I have participated in a number of EU funded programs, such as PRACE grants or STRONGnet.</p> <p>COLLABORATIONS: I have been part of lattice collaborations such as ALPHA, ETMC or UKQCD.</p> <p>CONFERENCES: I have been invited to present the results of my research activities in more than 15 international conferences and workshops, including plenary and review talks.</p> <p>LECTURES: I have been invited to lecture advanced courses at doctoral and post-doctoral level in three schools.</p> <p>SUPERVISION of one Ph.D student, one MSc student and three BSc students.</p> <p>ORGANISATION of 4 international events, including the first school centred in lattice QCD in Latin America at the IIP (Natal, Brazil. March 2013).</p>
Ciencias Básicas	Química	RYC-2012-11112	LLEDO PONSATI, AGUSTI	agustilledo@gmail.com	<p>I graduated in Chemistry at the University of Barcelona (UB) in the summer of 2002. Thanks to a scholarship from the Spanish Government I did a 6 month internship in the laboratory of Dr. Antoni Riera (UB) optimizing methodologies for the preparation of allylic alcohols. In autumn of 2002 I started my graduate studies in the laboratory of Dr. Riera working on the Pauson-Khand reaction (PKR) and its synthetic applications. I earned a M. Sc. in Experimental Organic Chemistry from UB in 2003 with a thesis on the preparation of simple cyclopentenones by means of the</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>PKR. I successfully defended my Ph. D. thesis in 2006 (summa cum laude). During these years I developed efficient protocols for catalytic intermolecular PKRs and stoichiometric asymmetric PKRs using a variety of chiral auxiliaries. My studies on the transformation of Pauson-Khand cycloadducts enabled us to obtain several cyclopentanic products of biological relevance such as phytoprostanes and carbanucleosides. Also remarkable was the discovery of an unprecedented photorearrangement of Pauson-Khand adducts leading to a rare tricyclic ketone. During my Ph. D. studies I received financial support from the Spanish Government through the FPU program. My Ph. D. work led to a total of eight publications in peer-reviewed journals. Two of these were published in top-rated multidisciplinary chemical journals (JACS 2008, ACIE 2007) and the other six are in high quality journals within the broad field of organic chemistry (OL 2008, OBC 2008, ASC. 2007, OM 2007, CBC 2005, JOC 2004). In September 2007 I moved to the Scripps Research Institute in San Diego (CA, USA) thanks to a post-doctoral fellowship from the Ramon Areces Foundation. Later on I secured funding from the Spanish Government. At Scripps I worked under the supervision of Prof. Julius Rebek Jr. who introduced me to the field of supramolecular chemistry. During my 3-year stage I worked on several projects in the area of encapsulation and molecular recognition. These efforts were reflected in the publication of 7 articles, being first author in 5 of them. I focused initially on the preparation of new non-symmetrical cavitands (OL 2008, CC 2010). I also collaborated on a project which exploited the function of a deep cavitand with an introverted acid functionality (JACS 2009). A second collaboration allowed the preparation of a light responsive cavitand (ACIE 2011). Later on during my stage I focused on exploiting weak attractive interactions to construct large supramolecular complexes (JACS 2009, ACIE 2011). My last contribution was the preparation of a new water soluble platform for cavitands based on a polyethyleneglycol decorated resorcinarene (CC 2010).</p> <p>In October 2010 I returned to Barcelona where I rejoined the laboratory of Dr. Antoni Riera as a Juan de la Cierva researcher. In this new stage I continued working on the PKR but from a more fundamental perspective, developing new metal-ligand combinations for a so far elusive ligand accelerated catalysis of the reaction. I received independent funding from the EU to carry out this research project (Career Integration Grant). In this period I have published one article, a book chapter and a technical note. I combine research with lab managing duties and supervision of Ph. D. students. My current H index (Scopus) is 9 (7 excluding self-citations). Average Impact Factor: 6.863.</p>
Ingenierías y Tecnología	Ciencia y Tecnología de Materiales	RYC-2012-12212	MUÑOZ BONILLA, ALEXANDRA	sbonilla@ictp.csic.es	<p>I started my PhD in 2002 at the Institute of Polymer Science and Technology (ICTP-CSIC) in the field of controlled radical polymerization. During my PhD I performed a research stay (12 months) as a Marie Curie Visiting Research Student at the Warwick University (UK) in the group of Prof. Haddleton. In 2006 I obtained the PhD degree in Chemistry with the qualification Cum Laude and European Doctorate Mention. Subsequently, in 2007 I performed a first postdoctoral stay (10 months) at Laboratoire de Chimie des Polymères Organiques (LCPO-Université de Bordeaux I-France), headed by</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>Prof. Y. Gnanou. During this period, I started a new research line in the field of adaptive and self-assembled polymeric surfaces. Then I completed a new postdoc (18 months) in the Polymer Chemistry Department at Eindhoven University of Technology (Netherlands) led by Prof. van Herk and Dr. Heuts. The research was focused on colloidal systems and preparation of functional latex by emulsion polymerization. The first 6 months I was funded by Stichting Emulsion Polymerization (SEP) Foundation, containing 16 industrial members. Then, I was awarded with a MICINN/Fullbright postdoctoral contract. During my research career I have performed several short stays at Hasylab-Deutsches Elektronen-Synchrotron (Germany). Since May 2010 I am ascribed to the ICTP-CSIC first as JAE Doc and then as Juan de la Cierva fellow (contract obtained in the 2010 call as the #2 in Materials Technology). I have actively participated in 15 research projects (1 as project leader) funded by: Spanish public entities (7), Spain-Japan bilateral projects (2), European Community-Framework Programmes (7 and another one under evaluation) and Agence Nationale de Recherche-France (1). Currently I participate as the principal investigator in a contract with Tecnologías Avanzadas Inspiralia S.L. Company. I am co-author of 45 articles including 33 SCI articles (and other 2 submitted) in journals of high impact factor (published in Q1 journals in the fields of Polymer Science, Materials Science/Multidisciplinary and Chemistry/Multidisciplinary). I currently have a h-index of 9 (Scopus) and the average impact factor of 4.6; highlighting 1 review article in Progress in Polymer Science (IF:24.1). Furthermore, one of them was featured in the back cover of the journal. I am the first author in 21 (64%), second author in 7 (21%), corresponding author in 5 (15%) and both first and corresponding in 2 of them (30% of these articles with 3 or less authors). I have published 12 more articles in non-SCI journals including proceeding and divulgation articles. I am co-editing a book that comprises a volume in the RSC Polymer Chemistry Series where I also participate co-writing 2 Chapters. Moreover I am regular reviewer of ACS, Elsevier, Wiley and Springer journals. I have presented 20 communications (12 oral &amp; 8 posters) in national and international recognized congresses and 2 invited talks (a workshop and a seminar); being co-author of others 21 contributions (total 43). Besides I am actively involved in science divulgation activities. Concerning my experience in students formation I have co-supervised 3 Master Projects. Currently I am co-supervising 2 PhD Theses (FPU and FPI) both started in October 2011 which are running in a successfully manner (2 articles of each thesis are already published in high-impact journals).</p>
Ciencias de la Vida	Biología Vegetal, Animal y Ecología	RYC-2012-11443	BALDO , LAURA	laura.baldo@unibas.ch	<p>I was born in Monza (MB), Italy, on 12 february1975. In 2000 I obtained my bachelor degree in Biological Sciences at the University of Milano under supervision of Prof. Marco Ferraguti, working on the reproductive strategy of the oligochaete Tubifex. In 2005 I obtained my PhD in Animal Biology at the University of Milano under supervision of Prof. Claudio Bandi, working on the phylogenetics of the endosymbiont Wolbachia in invertebrates.</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>From 2005 to 2009 I was a post-doctoral researcher at the University of California, Riverside, under the NSF FIBR grant given to John Werren, studying the evolution and diversity of the endosymbiotic bacteria Wolbachia. During this period I published several relevant studies in international peer-reviewed journals, which resulted from important collaborations and training periods with several researchers and Institutes worldwide. I developed a MLST scheme for Wolbachia and I have been the curator for three years of the associated databases. I presented my work to several international conferences and as invited speaker to many Universities and Institutes worldwide. I have also been a reviewer for several international journals. During this post-doctoral experience I participated as organizer and instructor in innovative projects for training high-school teachers from all over the US (i.e. ♦High School Science Teacher Astrobiology♦ workshops given at the MBL in Woods Hole (MA), and workshops given for the ♦Summer course for education of high school science teachers♦, CAPSI (Caltech Precollege Science Initiative, CA). From 2009 and until now I have been a post-doctoral researcher at the Zoology Institute in Basel, Switzerland, under the ERC starting grant given to Walter Salzburger, working on the evolution of the spectacular radiation of African cichlid fishes. I performed the very first high-throughput analysis of transcriptome data of 2 african cichlid fishes. I am currently investigating the diversity and role of the cichlid gut microbiota in this vertebrate adaptive radiation using 454 amplicon sequencing data.</p> <p>My main technical skills are listed below:</p> <p>Wet lab: DNA and RNA extractions ♦ Primer design ♦ Polymerase chain reaction (PCR) ♦ Restriction enzyme digestion - Nucleic acid sequencing (ABI-Prism capillary sequencing system 310) ♦Transformation and cloning in standard and expression vectors ♦ cDNA library construction ♦ Quantitative real-time PCR ♦ Protein expression and purification using the Glutathione S-transferase (GST) fusion system ♦ Drosophila and Nasonia cytosol and membrane preparations ♦ Mass spectrometry analyses ♦DNA, actin and tubulin fluorescent staining.</p> <p>Dry lab: NSG datasets analyses (454-Roche and Illumina pipelines) ♦ Gene Ontology classification (Blast2GO) ♦ Phylogenetics analyses (Bayesian and Maximum Likelihood, Maximum Parsimony) ♦Substitution and recombination rates ♦ Protein modeling and structure prediction ♦ Statistical skills: AMOVA, Mantel test, Mann&amp;Whitney test, Shimodaira-Hasegawa test, R-statistics. Some bioinformatic tools: MacClade, MAFFT, CodonCode Aligner, AML, DNAsp, MrBayes, RDP, Geneconv, START2, eBurst, protein analysis toolkit (<a href="http://toolkit.tuebingen.mpg.de">http://toolkit.tuebingen.mpg.de</a>), Arlequin, Galaxy, Bioconductor packages in R,</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					EMBOSS tools, Qiime, MEGAN ♦Programming in Unix, R and basic Perl. I am fluent in Italian (native), English, French and Spanish.
Ciencias de la Vida	Agricultura	RYC-2012-10603	SANTIAGO CARABELOS, ROGELIO	rsantiago@mbg.csic.es	<p>En la Misión Biológica de Galicia (MBG) (CSIC) se están llevando a cabo desde los años 80 programas de mejora de la resistencia a los taladros por parte del grupo de mejora de maíz. Atendiendo a esta temática, y como un nuevo enfoque, mi línea de investigación se inició en 1999 mediante un proyecto en colaboración con la Universidad de Vigo. Los resultados de los diversos estudios han ayudado en los programas de la MBG sugiriendo criterios indirectos de selección y aumentando el conocimiento acerca de las relaciones planta-parásito. He publicado 6 artículos durante este periodo, siendo primer autor en 5 de ellos.</p> <p>Tras la presentación de mi tesis doctoral en junio de 2004, he realizado una estancia posdoctoral (2004-2006) en el Agriculture and Agri Food Canada (ECORC) con el fin de ampliar mi formación en dos áreas temáticas: (i) completar mi formación en análisis bioquímicos, centrándose en la determinación de los compuestos integrados en la pared celular vegetal, y (ii) obtener mayores conocimientos acerca de los programas de mejora y de los mecanismos de resistencia frente al hongo patógeno <i>Fusarium graminearum</i>. He publicado 4 artículos fruto de mi estancia postdoctoral, yo soy el primer autor de dos de ellos y director del último. A lo largo de estos estudios se ha destacado el papel de los dehidrodímeros de ácido ferúlico, integrados en las paredes celulares, en la resistencia del maíz a plagas y enfermedades. Me gustaría destacar mi participación en el capítulo de libro internacional ♦Causes of natural resistance to stem borers in maize♦, en él se realiza una recopilación de los mecanismos de resistencia frente a los taladros, con una notable aportación de los resultados derivados de mi línea de investigación. Asimismo, destaco la invitación por parte de la revista ♦International Journal of Molecular Sciences♦ para una revisión extensiva de mi línea de trabajo.</p> <p>Mi etapa actual de investigación ha sido financiada con cargo a diversos contratos postdoctorales competitivos: I3P (CSIC), Juan de la Cierva (Ministerio de Educación y Cultura) e Isidro Parga Pondal (Xunta de Galicia). Desde mi incorporación a la MBG en el año 2007 he participado en estudios relacionados con los componentes de la pared celular (fracción lignocelulósica) y su posible aplicación en el mejoramiento en el área de protección de cultivos (plagas y enfermedades) y degradabilidad. Durante esta etapa postdoctoral he tenido importante responsabilidad en diversos proyectos de investigación, estando muy involucrado en la redacción de propuestas de investigación, informes y publicaciones científicas. He publicado 12 artículos SCI en este periodo. Asimismo, he trabajado en colaboración con expertos internacionales en estructura de la pared celular como los Drs. H. Jung, J. Ralph o M. Bunzel.</p> <p>Mi carrera científica se resume hasta la fecha en 22 publicaciones científicas (más 4 enviadas) (20 en</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					SCI Q1), 2 capítulos de libros internacionales, 2 revisiones de investigación y 1 artículo de divulgación, 18 contribuciones en congresos (sobre todo internacionales), 5 variedades de maíz registradas y obtención de diverso germoplasma resistente a la plaga de los taladros, he participado o estoy participando en 13 proyectos de investigación competitivos, uno de ellos como investigador principal, participo como revisor experto invitado en convocatorias internacionales de I+D y como revisor para diversas revistas SCI, y soy director o codirector de 5 trabajos de investigación.
Ciencias Sociales y Humanidades	Economía	RYC-2012-11979	BUSTOS , PAULA	pbustos@crei.cat	<p>Paula Bustos is a Junior Researcher at the Centre de Recerca en Economia Internacional (CREI), Adjunct Professor at the Department of Economics of Universitat Pompeu Fabra, Affiliated Professor at the Barcelona GSE and a Research Affiliate of the CEPR. She completed her PhD in Economics at Harvard University in 2006 under the supervision of E. Helpman, M. Melitz, P. Antras and P. Aghion.</p> <p>Starting with her dissertation work, Paula has developed an independent research agenda in the areas of International Trade and Development Economics. Paula's first line of research studied the impact of trade liberalization on technology adoption and the demand for skilled labor. This line of research produced two articles that are widely cited in the international trade literature. The first article, Trade Liberalization, Exports and Technology Upgrading: Evidence on the Impact of MERCOSUR on Argentinean Firms, has been published in the American Economic Review and has 300 citations in Google scholar. The second article, The Impact of Trade Liberalization on Skill Upgrading. Evidence from Argentina has received the Young Economist Award from the European Economic Association, has a Revise and Resubmit status in the Review of Economics and Statistics and has 166 citations in Google scholar. These two articles are also reviewed in the new Handbook of International Economics, Annual Review of Economics, Journal of Economic Literature and Journal of Economic Perspectives. Paula has been invited to present these papers at the most prestigious U.S. and European Universities [including MIT, Chicago, Stanford, Northwestern, NYU and LSE] and the leading international trade conferences [NBER Summer Institute and CEPR ERWIT]. Paula has been awarded a Juan de la Cierva Grant to support her work on this research line.</p> <p>Paula's second line of research studies the effects of international trade on the environment. The first paper on this line of research Sources of Comparative Advantage in Polluting Industries is joint work with F. Broner and V. Carvalho, both colleagues CREI. Paula has been invited to present this article in the most established international trade and environmental economic conferences: CEPR ERWIT, IES Summer Workshop in Princeton University, and NBER SI. Finally, Fernando Broner and</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>Paula Bustos have been awarded a Ramon Areces Grant to fund research on this project for a total of 36.000 EUR.</p> <p>During 2011 Paula Bustos started a new research line that studies the effects of new agricultural technologies on structural transformation. The first paper on this line of research, ♦Agricultural Productivity and Industrial Growth. Evidence from Brazil♦ is joint work with B. Caprettini and J. Ponticelli, both PhD students at UPF. Paula has been invited to present the first results from this project in the SED annual conference and the LSE. In addition, this project has received grant from the CEPR PEDL initiative to finance its data analysis expenses for a total of 41.900 EUR.</p> <p>Paula is an active participant in the activities of the CEPR International Trade and Regional Economics Program and has co-organized its last annual conference in Barcelona. She also participates in the PhD program in UPF, where she has taught the Development Economics and International Trade classes and serves as a thesis co-advisor for several students.</p>
Ciencias Básicas	Ciencias de la Tierra	RYC-2012-11920	ROSELL LINARES, MONICA	monica.rosell@ub.edu	<p>The applicant researcher, Dr. Mònica Rosell, has achieved an excellent interdisciplinary academic background during her 12 years of research experience from the base of her university studies in Environmental Sciences (she graduated in October 2001 after the defence of a final project carried out in the prestigious Spanish Council for Scientific Research (CSIC)), the development of analytical methodologies and their application to environmental monitoring of volatile organic compounds during her PhD in the same CSIC group (2001-2006, European PhD degree obtained with Excellent Cum Laude in Chemistry by the University of Barcelona, UB), to the intensive training in microbiology culture studies and innovative stable isotope and molecular tools for characterizing and assessing in situ biodegradation of pollutants achieved during a pre-doctoral stay (almost 7 months in 2005) and later postdoctoral studies (almost 5 years, 2006-2011) in a prominent and international centre, Helmholtz Centre for Environmental Research ♦ UFZ, Leipzig, Germany and now gaining knowledge on geology and field remediation strategies as well as consolidating her professional career in her home country and inside the UB thanks to a Juan de la Cierva and a Marie Curie Integration Grant (both since September 2011).</p> <p>Due to her good university marks, motivated research and perseverance, she has received a total of 9 grants for funding her whole scientific career including three Marie Curie Actions, leading to the production of 17 valuable articles published in international peer-reviewed SCI journals (2 more have been submitted recently and 1 is almost ready for submission), 3 chapters of books, several internal project reports from 13 projects (9 of them funded by the EU) as well as oral and poster contributions to 20 international conferences. Most of her articles are published in high impact factor journals which</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>are in the first quartile for the related subject and became points of reference as it is shown by the high number of citations resulting in a considerable h-index value of 8.</p> <p>Dr. Rosell has achieved a valuable background in stable isotopic tools, becoming one of the most experts in the world. For this reason she has been invited to make oral presentations in several international meetings and courses including sessions for public and private companies and consultants.</p> <p>Moreover, during her career Dr. Rosell got fruitful collaborations with other departments within UFZ, not only bringing together interdisciplinary expertise in Europe (mainly among Spain, France and Germany) but also overseas (New Jersey, USA) and thus strengthening her research competence (check coauthors in her papers). Moreover, the applicant has been cooperating with consultants in Germany (Isodetect), Spain (Kepler, Repsol Tecnología and Clapé group) and UK (Shell) with respect to the applied perspective of her research leading to the fate of pollutants in the environment.</p> <p>Apart from the research, her skills for teaching have been also fully demonstrated participating in several university courses, supervision of students (one master thesis, one final project, a stay of a PhD student and currently a whole PhD thesis), as part of a PhD thesis board and teaching as part of a laboratory course for students from the Biology Faculty, University of Leipzig, Germany. Moreover, this course 2012-2013, she will start teaching ♦Environmental Mineralogy♦ for 4th-grade Geology students at UB.</p>
Ciencias Sociales y Humanidades	Filología y Filosofía	RYC-2012-10900	DIAZ LEON, ENCARNACION	esadiazleon@gmail.com	<p>EDUCATION:</p> <p>PhD in Philosophy, University of Sheffield, 2007.</p> <p>Postgraduate Diploma in Philosophy, with Distinction, University of Sheffield, 2002.</p> <p>D.E.A. (Diploma de Estudios Avanzados) in Logic and Philosophy of Science, University of Murcia, 2003.</p> <p>Licenciada en Filosofía, University of Murcia, 2000.</p> <p>EMPLOYMENT:</p> <p>Assistant Professor, University of Manitoba: July 2008♦present.</p> <p>Visitor, LOGOS♦Logic, Language and Cognition Research Group, University of Barcelona: March♦June</p>





**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>2008, and January ♦ June 2012.</p> <p>Teaching Fellow, University of Sheffield: September 2004 ♦ February 2005, and February ♦ March 2006.</p> <p>Teaching Assistant, University of Sheffield: October 2002 ♦ June 2005, and October 2007 ♦ February 2008.</p> <p>PUBLICATIONS:</p> <p>Journal articles:</p> <ol style="list-style-type: none"> <li>1. ♦ Social Kinds, Conceptual Analysis, and the Operative Concept: A Reply to Haslanger ♦, Humana.Mente ♦ Journal of Philosophical Studies, vol. 22, pp. 57-74, 2012.</li> <li>2. ♦ Are Ghosts Scarier than Zombies? ♦, Consciousness and Cognition 21(2), pp. 747-8, 2012.</li> <li>3. ♦ Actors are not like Zombies ♦, Proceedings of the Aristotelian Society 112(1), pp. 115-22, 2012.</li> <li>4. ♦ Reductive Explanation, Concepts, and A Priori Entailment ♦, Philosophical Studies 155, pp. 99-116, 2011.</li> <li>5. ♦ Can Phenomenal Concepts Explain the Epistemic Gap? ♦, Mind 119(476), pp. 533-51, 2010.</li> <li>6. ♦ How Many Explanatory Gaps Are There? ♦, APA Newsletter on Philosophy and Computers 8(2), pp. 33-35, 2009.</li> <li>7. ♦ Defending the Phenomenal Concept Strategy ♦, Australasian Journal of Philosophy 86(4), pp. 597-610, 2008.</li> <li>8. ♦ We are living in a material world (and I am a material girl) ♦, Teorema 27(3), pp. 85-101, 2008.</li> </ol>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>Book reviews:</p> <p>◆ Implementing the Canberra Plan: Review of Braddon-Mitchell and Nola◆s Conceptual Analysis and Naturalism◆, <i>Metascience</i> 21(3), pp. 719-21, 2012.</p> <p>◆ Consciousness, Phenomenal Concepts, and Acquaintance: A Critical Notice of Michael Tye◆s <i>Consciousness Revisited</i>◆, <i>Teorema</i> 30(1), pp. 157-67, 2011.</p> <p>GRANTS AWARDED:</p> <p>Social Sciences and Humanities Research Council (SSHRC) Standard Research Grant, April 2011-March 2014. (\$23,016)</p> <p>University of Manitoba Leave Research Grant, January-June 2012. (\$6,185)</p> <p>University of Manitoba Travel and Conference Sponsorship Program, May 2011. (\$1,357)</p> <p>Faculty of Arts Endowment Fund, May 2011. (\$3,086)</p> <p>University of Manitoba Internal Research Grant, January 2009-March 2010. (\$4,403)</p> <p>GRADUATE STUDENTS SUPERVISED:</p> <p>Si Chen: MA in Philosophy, University of Manitoba, 2010-2012.</p> <p>Larisa Segida: PhD in Education, University of Manitoba, 2011-present.</p> <p>ACADEMIC SERVICE:</p> <p>Conference Co-organizer: 39th Meeting of the Society for Exact Philosophy, University of Manitoba, Winnipeg, 26-28 May 2011.</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>Referee Work (Journals and Books): Abstracta, Australasian Journal of Philosophy, Consciousness and Cognition, Dialectica, Disputatio, Erkenntnis, European Journal of Analytic Philosophy, European Journal of Philosophy, Journal of Social Philosophy, Mind, Philosophical Psychology, Philosophical Studies, Polish Journal of Philosophy, Southern Journal of Philosophy, Teorema, Theoria ♦ Swedish Journal of Philosophy, and Routledge.</p> <p>Referee Work (Conferences): Western Canadian Philosophical Association (2008, 2010); Canadian Philosophical Association (2009, 2010, 2011, 2012); UFA8 Graduate Workshop (Lisbon, 2012); GRS Conference (Barcelona, 2012); Canadian Society for Women In Philosophy (Calgary, 2012).</p>
Ingenierías y Tecnología	Tecnología Química	RYC-2012-10378	RODRIGUEZ FIGUEIRAS, OSCAR	oscarrf.pt@gmail.com	<p>Obtained 2 degrees (Chemistry &amp; Chemical Engineering) and PhD degree (Chemical &amp; Environmental Engineering) at University of Santiago de Compostela (Spain). During PhD stayed 1 year at Univ. California, Berkeley, for research on (polymer + water vapour) equilibrium and diffusion under supervision of J.M. Prausnitz. For short periods worked as Professor for Univ. of Vigo (2005) and Univ. of Santiago de Compostela (2006). Has over 7 years of post-doctoral research experience at University of Porto (Portugal) where he has developed research on:</p> <ul style="list-style-type: none"> <li>- Thermodynamics: phase equilibria and solute partitioning in Aqueous Two-Phase Systems and (ionic liquid + water) biphasic systems.</li> <li>- Enzyme catalysis in ionic liquid media.</li> <li>- Product Engineering, applied to perfumed products.</li> </ul> <p>Besides, the candidate has collaborated with the Department of Chemical Engineering in the teaching activities (undergraduate level) since academic year 2008/09.</p> <p>The candidate has published 43 articles indexed in JCR which received 508 citations (20/11/2012, WoK), with H-index = 13. Attending to citations, it is important to highlight that most cited article received 69 citations, while top 5 articles have &amp;#61619; 30 citations and top 10 articles &gt; 20 citations. The cumulative Impact Factor (journal Impact Factor x number of articles) is 100.9. Besides, the author has co-authored 1 book (♦Perfume Engineering: Design, Performance &amp; Classification♦. Butterworth-Heinemann, Ltd -Imprint of Elsevier- 2012) and 4 book chapters.</p> <p>Regarding participation in conferences, there are 51 communications, among them 9 Oral presentations and 2 Key-Note Lectures. The candidate has delivered 4 of these oral presentations and 1 of the Key-Note Lectures.</p> <p>At the same time, has participated in the organization (Member of the Organizing Committee) of 2 International Conferences, involving about 200 participants each.</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>It is important to highlight that the author has co-supervised 1 PhD Thesis (Miguel A. Teixeira, with Prof. Alirio E. Rodrigues and Dr. Vera G. Mata). Currently, there are 2 other PhD Thesis on development:</p> <ul style="list-style-type: none"> <li>- Filipa Meireles Maia: Univ. Porto (Portugal) Expected delivery for 2013. Co-supervision with Prof. Eugénia A. Macedo.</li> <li>- Aristides Filipe Ferreira Pinto Carneiro: Univ. Porto (Portugal) Expected delivery for 2014. Co-supervision with Prof. Eugénia A. Macedo.</li> </ul> <p>Throughout his career, the author has worked with 4 different senior researchers:</p> <ul style="list-style-type: none"> <li>- Alberto Arce: PhD supervisor.</li> <li>- John M. Prausnitz: as visiting scholar through PhD period at Univ. California, Berkeley.</li> <li>- Eugénia A. Macedo: (Post-Doc supervisor at FEUP-Portugal.</li> <li>- Alirio E. Rodrigues: Director of Laboratory LSRE at FEUP-Portugal.</li> </ul> <p>Besides, there have been collaborations with researchers from other Institutions (at national and international level), namely:</p> <ul style="list-style-type: none"> <li>- J.A. Teixeira (Univ. Minho, Portugal): 7 articles JCR.</li> <li>- Giorgios Kontogiorgios (DTU, Denmark): 1 article JCR.</li> <li>- M<sup>a</sup> Ángeles Sanromán (U. Vigo, Spain): 1 article JCR, 1 international research project (Acción Integrada Luso-Española).</li> </ul> <p>The author has participated in the Jury for 4 PhD Thesis, and 1 Ms.Sc. Thesis, in Portugal and Spain. Besides, is an active reviewer for 7 journals of Chemical Engineering and Thermodynamics, and has recently become member of the Editorial Board for one of them (Journal of Applied Solution Chemistry and Modeling).</p>
Ciencias de la Vida	Ganadería y Pesca	RYC-2012-10193	BERMEJO ALVAREZ, PABLO	borrilobermejo@hotmail.com	<p>Professional activity:</p> <p>University of Maryland/United States Department of Agriculture (USA). Postdoctoral (Faculty Research Assistant) 15/03/2012-Current.</p> <p>University of Missouri (USA). Postdoctoral Fellow 01/07/2010-14/03/2012.</p> <p>Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (Spain). Pre-doctoral fellowship-contract. 01/04/2006-01/04/2010.</p> <p>University of Texas A&amp;M (USA). EU-FIPSE Fellow. 15/07/2005-15/09/2005.</p> <p>Universidad Complutense de Madrid (Spain). UCM collaboration fellow. 15/10/2004-15/06/2005</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>University Education (Universidad Complutense de Madrid, Spain): Veterinary (DVM) 2005 PhD in Veterinary Sciences 2010</p> <p>Publications: 26 articles in indexes journals: 11 as first author, 5 as corresponding author, 6 as second author. Five most relevant articles: PNAS 107(8):3394-9, Physiol Genomics 32(2):264-72, Hum Reprod 2012 (ahead of print), Biol Reprod 79(4):594-7, Stem Cells Dev 21(8):1215-24. h-index = 10. 304 total citations. 1 Chapter of a book. 54 abstracts in conferences (45 in international meetings, 29 as first author and 4 oral communications in international meetings).</p> <p>Participation in R&amp;D&amp;I projects funded in competitive tenders: Principal investigator in 1 project (Lalor Foundation, USA) \$35000. Collaborator in 2 Spanish projects (AGL), 7 European projects (Science Foundation Ireland, Pfizer Animal Health, Medical Research Council UK, European Cooperation in Science and Technology and Research Foundation Belgium) and 5 projects in USA (NIH funded).</p> <p>Experience organizing R&amp;D activities: Section editor and reviewer. International Embryo Transfer Society Meeting 2013. Section co-chair and reviewer. Society for the Study of Reproduction Meeting 2012. Reviewer. International Embryo Transfer Society Meeting 2012. Peer-reviewer in PNAS, Reproduction, Molecular Human Reproduction (top 10 % reviewer in 2011), Stem Cells &amp;Dev, Reprod, Fertil &amp; Dev, Reprod Biomed &amp; Endocrin, An Reprod Science, An Biotech, Sex Dev</p> <p>Residences in R&amp;D&amp;I centres (6): Postdoctoral (2): University of Maryland/USDA (USA) 15/03/2012-current date. University of Missouri (USA) 01/07/2010-14/03/2012. Predoctoral (3): University of Nottingham (UK) 30/06/2009-28/10/2009.</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>University of Connecticut (USA) 23/06/2008-20/10/2008. University College Dublin (Eire) 05/08/2007-05/12/2007 and several short stays for 2 months in total in 2008 and 2009. Undergraduate (before DVM degree) (1): University of Texas A&amp;M (USA) 15/07/2005-15/09/2005</p> <p>Teaching: Subject ♦Reproduction seminars♦, DVM degree, Universidad Complutense de Madrid, Spain. 2009 and 2010 Master ♦Reproductive Biology and Technology in Mammals♦, Universidad de Murcia, Spain. 2008 and 2009. Animal Reproduction Course. Instituto Nacional de Investigaciones Agrarias, Spain. 2008 and 2009. Experimental mentoring of master and PhD students in Spain (2), Belgium (2), Italy (1) and USA (4).</p> <p>Awards: Annual PhD award in Veterinary Sciences, Universidad Complutense de Madrid, Spain, 2011. Student Competition Finalist. 35th and 36th Annual Conferences of the International Embryo Transfer Society. 2009 and 2010. First award of the Student Competition. 23rd Scientific Meeting of the European Embryo Transfer Society. 2007. Best Oral Communication. IV Congress of Veterinary and Biomedical Sciences. Universidad Complutense de Madrid, Spain, 2005.</p>
Ciencias de la Vida	Ciencia y Tecnología de los Alimentos	RYC-2012-10052	SANCHEZ GARCIA, BORJA	borjito@gmail.com	<p>First period: undergraduate student at the Oviedo University (1998-2001). During my undergraduate period at the laboratory of Plant Physiology of the Oviedo University, I learned different techniques under the supervision of Dr. Mario Fraga. These included determination of physiological (polyamines) and molecular (methylation rate of genomic DNA) markers of tissue aging in Pinus sp.</p> <p>Second period: PhD student at the IPLA-CSIC (2002-2007). The aim of my PhD work was to gain molecular and physiological insights into the mechanisms of response of bifidobacteria to gastrointestinal stress factors. I acquired proteomic skills during two six-month research stages at the lab of Dr. Monique Zagorec, in the French National Institute of Agronomic Research. The work of my PhD period was mainly framed in three projects from the ♦Plan Nacional de I+D+i♦ of the Spanish Ministry of Science and technology.</p>



**SUBPROGRAMA RAMÓN Y CAJAL - CONVOCATORIA 2012**  
**Candidatos de reserva que adquieren la condición de seleccionados**  
**Correo electrónico y resumen de CV**

Ámbito Multidisciplinar	Área Temática	Referencia	Investigador	Correo electrónico	Resumen del Curriculum Vitae
					<p>Third period: Postdoc at the ENITAB (2007-2009): My first postdoctoral period included 27 months at the Ecole National des Ingenierus aux Travaux Agricoles of Bordeaux, France (ENITAB). During this period, I have performed different activities related to the food industry and to fundamental research. The first 9 months I was employed for developing the first part of a private contract entitled <b>Etude du mode d'action des bactéries probiotiques</b>, funded by SAFISIS Europe (Soustons, France). After these first 9 months, I moved to a postdoctoral fellowship and I focused my research in the identification of extracellular proteins produced by probiotic bacteria involved in the interaction with the human host. During this period I did a short stage in the Institute of Technology of the Limousin, at Limoges, where I learned how to purify secreted proteins produced by lactic acid bacteria through liquid chromatography.</p> <p>Fourth period: Postdoc at the IPLA-CSIC (2009-present): I returned to the group of Probiotics, Prebiotics and Exopolysaccharides for reinforcing the research lines directed by Dr. Abelardo Margolles, in the framework of several National and European projects. Currently, I am characterizing extracellular proteins produced by probiotic bacteria, with relevant roles in the molecular cross-talking with the host, notably in immunomodulation, and studying the use of antibodies raised against them as biomarkers for Intestinal Bowel Disease. I am also responsible for a research line focused in the metagenomic study of the gut microbiota. In addition, we have established a solid collaboration with the group of Dr. Marco Ventura in Italy, in the framework of two European projects. This fruitful collaboration has led, in the last two years, to publications in the prestigious journals PNAS-USA and PLoS ONE. I am also keeping collaboration with my former postdoc group in the framework of two international projects. Since January 2011, I am the principal researcher of the project <b>Identification and genetic characterization of Enterococcus and Lactobacillus strains isolated from human breast-milk as potential probiotic bacteria</b>, funded by the Spanish National Institute of Agronomics Research, as well as a science divulgation project directed at the general public, in collaboration with the Laviana City Hall. To date, I have published 49 SCI publications. I am/was project leader of 3 research projects financed through competitive national calls.</p>