



Nuria Pascual Duran

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Dra. Nuria Pascual, PhD in Biology (University of Barcelona , Faculty of Biology, 1995). Staff with a university degree at the CSIC since 1992. Since 2008 is part of the research group Nanobiotechnology for Diagnosis (NB4D) Institute of Advanced Chemistry of Catalonia (CSIC), where he has collaborated on numerous research projects related to the production of specific antibodies against small molecules and the development of techniques immunochemical for clinical diagnosis and fed and industry and for environmental control, being Principal Investigator in one of them based on the diagnosis of neurodegenerative diseases.

Since 2009, Technical Director CABS (Custom Antibody Service, Platform for Production of Biomolecules, part of the ICTS NANBIOSIS. The platform offers scientific services and advice to research centers and public and private entities, in relation to the design and synthesis of immunogens, the production of antibodies (polyclonal and monoclonal), bioconjugation and the establishment of immunochemical methods. Co-authored nearly of more than 20 publications in international peer-per-review scientific journals and one patent.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

h-index = 14

Total Publications= 29

Total Publications Q1 =15

Average citations per item = 24.3

Sum of Times Cited = 705



Nuria Pascual Duran

Surname(s): **Pascual Duran**
Name: **Nuria**
ORCID: **0000-0003-1364-9100**
ScopusID: **8618353000**

Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas

Professional category: Titulado Superior Especializado

Start date: 1991

Type of contract: Civil servant

Dedication regime: Full time



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Licenciado en Biología

Degree awarding entity: Universitat de Barcelona **Type of entity:** University

Date of qualification: 1989

Doctorates

Doctorate programme: Doctor en Ciencias Biológicas

Degree awarding entity: Universitat de Barcelona **Type of entity:** University

Date of degree: 1995

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1 Training title:** Experimentación Animal de acuerdo con Decreto 214/1997 de la Generalitat de Catalunya
Awarding entity: Departamento de Medio Ambiente y Vivienda **Type of entity:** Gubernamental
End date: 06/2010
- 2 Training title:** Desarrollo y implantación de sistemas de gestión de la calidad en centros del CSIC
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
End date: 11/2009
- 3 Training title:** Experimentación Animal. Nivel C
Awarding entity: Universitat de Barcelona **Type of entity:** University
End date: 2009
- 4 Training title:** Curso para usuarios de Sistemas Milenium 2010 Chromatography Manager
Awarding entity: Waters Cromatografía, S.A. **Type of entity:** Business
End date: 06/1997
- 5 Training title:** Optimización y desarrollo de métodos en HPLC
Awarding entity: Merck Farma y Química, S.L. **Type of entity:** Business
End date: 04/1993
- 6 Training title:** Curso de Adiestramiento para Operadores de Instalaciones Radioactivas: Especialidad Biomedicina
Awarding entity: Hospital Clinic Barcelona **Type of entity:** Healthcare Institutions



End date: 11/1992

- 7 Training title:** Curso Farmacología Experimental para Postgraduados
Awarding entity: Universitat de Barcelona **Type of entity:** University
End date: 01/1987

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	B1	B1	B1	B1	B1
English	B2	B2	B2	B2	B2
Catalan	C2	C2	C2	C2	C2

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Official European Master in Biomedical Engineering
Entity: Universitat de Barcelona **Type of entity:** University
Student: Adria Munoz Pallerola
Date of reading: 06/11/2014
- 2 Project title:** Trabajo Fin de Grado en Bioquímica
Entity: Universitat de Barcelona **Type of entity:** University
Student: Joan Coines-Lopez de Nieto
Date of reading: 2014

Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1 Name of the project:** Electrochemical Immunosensor System for the Detection of Neuroactive Tryptophan Metabolites. Development of Immunoreagents and Nanostructured Biohybrid Sensing Surfaces (TryKySeNS)
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency
Name principal investigator (PI, Co-PI...): Nuria Pascual Duran; Francisco José Sanchez Baeza
Funding entity or bodies: Ministerio de Ciencia e Innovación **Type of entity:** Gubernamental
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Co-ordinator
Name of the programme: Plan Nacional de I+D+I (2008-2011)



Code according to the funding entity: CTQ2011-29163-C03-01
Start-End date: 01/01/2012 - 30/06/2015
Total amount: 110.110 €

- 2** **Name of the project:** Design and evaluation of a novel impedimetric immunosensor for the diagnosis of sepsis of respiratory origin due to *Pseudomonas aeruginosa* (NanBioSepRes)
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Enrique Valera; M.-Pilar Marco
Funding entity or bodies: Instituto de Salud Carlos III **Type of entity:** Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Name of the programme: Proyectos Colaborativos Multidisciplinares CIBER-BBN - SEPAR - CIBERES en Patologías Respiratorias
Start-End date: 01/01/2013 - 31/12/2014
Total amount: 15.000 €
- 3** **Name of the project:** Nanotecnología para cardiología y neumococo (NanoCardioCoco)
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Funding entity or bodies: Ministerio de Ciencia e Innovación **Type of entity:** Gubernamental
City funding entity: Madrid, Community of Madrid, Spain
Name of the programme: Subdirección General de Estrategias de Colaboración Público-Privada
Code according to the funding entity: IPT-2011-1337-010000
Start-End date: 04/05/2011 - 31/12/2014
Total amount: 95.807 €
- 4** **Name of the project:** Sistemas de detección y cuantificación de biomarcadores de la enfermedad de Alzheimer (KIT-Alzheimer)
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Francisco José Sanchez Baeza
Funding entity or bodies: Ministerio de Ciencia e Innovación **Type of entity:** Gubernamental
City funding entity: Madrid, Community of Madrid, Spain
Name of the programme: Subdirección General de Estrategias de Colaboración Público-Privada
Code according to the funding entity: IPT-2011-1055-900000
Start-End date: 04/05/2011 - 31/12/2014
Total amount: 152.117 €
- 5** **Name of the project:** Desarrollo y demostración de nuevas tecnologías para la detección de residuos de antibióticos de uso veterinario a lo largo de la cadena de producción de alimentos de origen animal. Control y seguridad. DETECTA
Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Francisco José Sanchez Baeza
Name of the programme: Plan Nacional de I+D+I
Code according to the funding entity: AGL2008-05578-C05-01



Start-End date: 01/01/2009 - 31/12/2011

Total amount: 145.000 €

6 Name of the project: Nanobioanalytical platforms for improved diagnosis of infections caused by pathogens (NanoMeDiag)

Entity where project took place: INSTITUTO DE QUIMICA AVANZADA DE CATALUÑA **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Nº of researchers: 4

Start-End date: 01/03/2009 - 01/03/2011

Participating entity/entities: Centro da Fisica da Universidade do Minho (Portugal); FUNDACIO PRIVADA INSTITUT DE BIOENGINYERIA DE CATALUNYA; Life and Health Science Research Institute Portugal; Universitat de Barcelona

Total amount: 41.800 €

7 Name of the project: Micro/Nanotecnologías para la Inmunodetección Multiplexada de Microorganismos Patógenos (MICROPLEX)

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): M.-Pilar Marco

Funding entity or bodies:

CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)

City funding entity: Spain

Name of the programme: Proyecto CIBER Inter Area

Start-End date: 01/01/2008 - 31/12/2009

Total amount: 47.300 €

8 Name of the project: Insecticidas basados en baculovirus recombinantes. Expresión de inhibidores de la ingesta de insectos en baculovirus de Spodoptera

Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Xavier Bellés Ros

Funding entity or bodies:

MINISTERIO DE EDUCACION Y CIENCIA

City funding entity: Spain

Start-End date: 01/01/2006 - 31/12/2008

9 Name of the project: Desarrollo de una plataforma de biosensores para aplicaciones en la industria agroalimentaria (MEATSSENS)

Entity where project took place: Instituto de Investigaciones Químicas y Ambientales de Barcelona **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Irene Larroy; Francisco José Sanchez Baeza

Funding entity or bodies:

Ministerio de Industria

Type of entity: State agency

Name of the programme: PROFIT

Code according to the funding entity: FIT-330100-2007-138

Start-End date: 01/10/2007 - 30/09/2008

Total amount: 98.000 €



- 10 Name of the project:** Estimuladores e inhibidores de la ingesta de insectos (EIII). Prototipos de nuevos insecticidas para el control integrado de plagas
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Funding entity or bodies: Ministerio de Ciencia y Tecnología **Type of entity:** State agency
Start-End date: 2003 - 2005
- 11 Name of the project:** Reprogramación genética en insectos. Bases moleculares de la metamorfosis en insectos heterometábolos
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): David Martin Casacuberta
Funding entity or bodies: Ministerio de Ciencia y Tecnología **Type of entity:** State agency
Start-End date: 2003 - 2005
- 12 Name of the project:** Ritmos de alimentación y ciclos reproductivos en insectos
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Funding entity or bodies: Dirección general de enseñanza superior e investigación científica **Type of entity:** State agency
Start-End date: 2000 - 2003
- 13 Name of the project:** Desarrollo de disuasivos de insectos para el control de plagas
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Maria Dolors Piulachs Bagà
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Gubernamental
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 06/1999 - 12/2001
- 14 Name of the project:** Olfacción, alimentación y reproducción en la cucaracha *Blattella germanica*
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1996 - 1999
- 15 Name of the project:** Estudiis sobre la reproducció de paneroles de plaga de les nostres àrees urbanes. Ecdisteroides i vitel-logenina en *Blattella germanica*
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Funding entity or bodies: Institut d'Estudis Catalans **Type of entity:** Public Research Body
Start-End date: 01/01/1998 - 31/12/1998



- 16** **Name of the project:** Estudi sobre la reproducció de paneroles plaga de les nostres àrees urbanes. La vitel·logenina de *Blattella germanica*
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Funding entity or bodies: Institut d'Estudis Catalans **Type of entity:** Public Research Body
Start-End date: 01/01/1997 - 31/12/1997
- 17** **Name of the project:** Caracterització de la sensibilitat envers les al·latostatines en la femella adulta de la panerola *Blatella germanica* (soca Barcelona)
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1996 - 1996
- 18** **Name of the project:** Peptidomiméticos de alostatinas
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1996 - 1996
- 19** **Name of the project:** Estudios sobre la biología de la reproducción en cucarachas. Evolución hacia el viviparismo
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1993 - 1996
- 20** **Name of the project:** Control de *Spodoptera littoralis* con azadiractina
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1995 - 1995
- 21** **Name of the project:** Estudios sobre atractivos de *Blatella germanica*
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1995 - 1995
- 22** **Name of the project:** Estudi sobre la reproducció de paneroles plaga de les nostres àrees urbanes: Disseny d'un ELISA per a quantificar al·latostatines
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1995 - 1995



- 23** **Name of the project:** Estudis sobre la reproducció de paneroles plaga de les nostres àrees urbanes. Regulació del cos gras en *B. germanica*
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 01/01/1994 - 31/12/1994
- 24** **Name of the project:** Secreciones de hormonas esteroidales en glándulas endocrinas de insectos
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1994 - 1994
- 25** **Name of the project:** Cepas de cucarachas para estudios alérgicos
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1993 - 1993
- 26** **Name of the project:** Estudios sobre la biología de la reproducción en cucarachas (*Blattella germanica* y *Blatta orientalis*)
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1990 - 1993
- 27** **Name of the project:** Potencial insecticida de perturbadors hormonals sobre *Spodoptera littoralis* i *Blattella germanica*
Entity where project took place: Centro de Investigación y Desarrollo **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Xavier Bellés Ros
Start-End date: 1990 - 1991

R&D non-competitive contracts, agreements or projects with public or private entities

- 1** **Name of the project:** Producción de anticuerpos e inmunoreactivos
Funding entity or bodies: IBERSENS Innova SL **Type of entity:** Business
City funding entity: Spain
Start date: 15/05/2015 **Duration:** 1 year
- 2** **Name of the project:** Supply of immunoreagents and antibodies
Funding entity or bodies: Unisensor SA **Type of entity:** Business
City funding entity: Liège, Belgium
Start date: 01/04/2015 **Duration:** 1 year - 2 months
Total amount: 84.169 €



- 3** **Name of the project:** Preparation of immunoreagents against pantothenic acid, 5-MTHF and biotin
Funding entity or bodies:
R-Biopharm Rhone Ltd. **Type of entity:** Business
City funding entity: United Kingdom
Start date: 2015 **Duration:** 6 months
Total amount: 6.835 €
- 4** **Name of the project:** Development of cholecalciferol conjugates for further development of new antibodies against Vitamin D
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Nuria Pascual
Funding entity or bodies:
OxFabs Ltd. **Type of entity:** Business
City funding entity: United Kingdom
Start date: 2014 **Duration:** 6 months
Total amount: 6.300 €
- 5** **Name of the project:** Estudio sobre el reconocimiento de la fracción Task 3 en raton
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): Nuria Pascual
Funding entity or bodies:
Institut d' Investigacions Biomèdiques August Pi i Sunyer **Type of entity:** R&D Centre
City funding entity: Barcelona, Catalonia, Spain
Start date: 2014
Total amount: 2.765 €
- 6** **Name of the project:** Preparation and characterisation of new haptens (immunising and competitor haptens) and immunoreagents (immunogens and coating antigen) for the immunochemical detection of epinephrine, quinolinic acid and 3-hydroxyquinurenine
Name principal investigator (PI, Co-PI....): M.-Pilar Marco
Funding entity or bodies:
Pharmasans Labs Inc. **Type of entity:** Business
City funding entity: United States of America
Start date: 2013 **Duration:** 2 years
Total amount: 232.000 €
- 7** **Name of the project:** Desarrollo de anticuerpos para la detección de caseína en alimentos
Degree of contribution: Scientific coordinator
Name principal investigator (PI, Co-PI....): M.-Pilar Marco; Nuria Pascual
Funding entity or bodies:
Zeus Inmunotec, S.L. **Type of entity:** Business
City funding entity: Zaragoza, Aragon, Spain
Start date: 2012
Total amount: 10.062 €
- 8** **Name of the project:** Preparation and characterisation of haptens and immunoreagents for the selective detection and quantification of kynurenic metabolic pathway
Name principal investigator (PI, Co-PI....): M.-Pilar Marco

**Funding entity or bodies:**

Pharmasans Labs

Type of entity: Business**City funding entity:** United States of America**Start date:** 2011**Duration:** 2 years**Total amount:** 104.605 €**9 Name of the project:** Test kits for antibiotic detection**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** M.-Pilar Marco**Funding entity or bodies:**

Unisensor SA

Type of entity: Business**City funding entity:** Liège, Belgium**Start date:** 2010**Duration:** 5 years**Total amount:** 241.200 €**10 Name of the project:** Investigaciones sobre la eficacia de cebos tóxicos sobre Blatella germanica**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Xavier Bellés Ros**Funding entity or bodies:**

INDUSTRIAS MARCA, S.A.

City funding entity: Spain**Code according to the funding entity:** Marca 1-1-97**Start date:** 1997**Total amount:** 1.927 €**11 Name of the project:** Investigations on the activity of two Bayer owned compounds in comparison with standard on HMG-CoA reductase and on vitellogenesis in cockroaches**Name principal investigator (PI, Co-PI....):** Xavier Bellés Ros**Funding entity or bodies:**

Bayer AG

Type of entity: Business**City funding entity:** Leverkusen, Germany**Code according to the funding entity:** Bayer 1-1-97**Start date:** 1997**Total amount:** 8.554 €**12 Name of the project:** Estudio biológico del repelente 3535 sobre la cucaracha doméstica Blatella germanica**Degree of contribution:** Researcher**Name principal investigator (PI, Co-PI....):** Xavier Bellés Ros**Funding entity or bodies:**

Benkiser España SA

Type of entity: Business**City funding entity:** Spain**Start date:** 1996**Total amount:** 1.843 €



Results

Industrial and intellectual property

- 1 Title registered industrial property:** Compuestos y sus usos como haptenos para la detección de *S. aureus*
Inventors/authors/obtainers: M.-Pilar Marco Colas; Nuria Pascual Duran; Carme Pastells Diez
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: P201530780
Country of inscription: Spain
Date of register: 03/06/2015
- 2 Title registered industrial property:** Haptenos y conjugados derivados de piocianina. Anticuerpos de los mismos, y método inmunoquímico de detección de infecciones causadas por *Pseudomonas aeruginosa*
Inventors/authors/obtainers: M.-Pilar Marco Colas; Nuria Pascual Duran; Carme Pastells Diez; Francisco José Sanchez Baeza; Antonio Pedro Villaverde Corrales; Escarlota Rodríguez Carmona
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: P201330312
Country of inscription: Spain
Date of register: 05/03/2013
Nº of patent: ES2504715
Spanish patent: Yes
PCT patent: Yes
- 3 Title registered industrial property:** Composición para repelente de cucarachas
Type of industrial property: Patent of invention
Inventors/authors/obtainers: M^a Luisa Gilisbars de Francisco; Pilar Martínez Milagro; Xavier Bellés Ros; Nuria Pascual Duran
Entity holder of rights: La Superquímica SA
Nº of application: P200002332
Country of inscription: Spain
Date of register: 27/09/2000
Conferral date: 04/02/2004
Nº of patent: ES2171125
Spanish patent: Yes
PCT patent: Yes
Companies: Marca SA



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1 Lourdes Cervera-Chiner; Yolanda Jiménez; Ángel Montoya; Marisol Juan-Borrás; Nuria Pascual; Antonio Arnau; Isabel Escriche. High Fundamental Frequency Quartz Crystal Microbalance (HFF-QCMD) Immunosensor for detection of sulfathiazole in honey. *Food Control*. 115, pp. 1 - 6. Elsevier, 2020.

Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 2 Carme Pastells; Nuria Pascual; Francisco Sanchez-Baeza; M-Pilar Marco. Immunochemical Determination of Pyocyanin and 1-Hydroxyphenazine as Potential Biomarkers of Pseudomonas aeruginosa Infections. *Analytical Chemistry*. 88 - 3, pp. 1631 - 1638. American Chemical Society, 2016.

Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 3 Giovanna Roncador; Pablo Engel; Lorena Maestre; Amanda P. Anderson; Jacqueline L. Cordell; Mark S. Cragg; Vladka ? Šerbec; Margaret Jones; Vanda J. Lisnic; Leonor Kremer; Demin Li; Friedrich Koch-Nolte; Núria Pascual; Jose-Ignacio Rodríguez-Barbosa; Ruurd Torensma; Helen Turley; Karen Pulford; Alison H. Banham. The European antibody network's practical guide to finding and validating suitable antibodies for research. *mAbs*. 8 - 1, pp. 27 - 36. Taylor & Francis Online, 2016.

Type of production: Scientific paper **Format:** Journal
- 4 Carme Pastells; Gerardo Acosta; Nuria Pascual; Fernando Albericio; Miriam Royo; M.-Pilar Marco. An immunochemical strategy based on peptidoglycan synthetic peptide epitopes to diagnose Staphylococcus aureus infections. *Analytica Chimica Acta*. 889, pp. 203 - 211. Elsevier, 2015.

Type of production: Scientific paper **Format:** Journal
- 5 Ramatu Ashu Tufa; Daniel G. Pinacho; Nuria Pascual; Merce Granados; Ramon Companyó; M.-Pilar Marco. Development and Validation of an Enzyme Linked Immunosorbent Assay for Fluoroquinolones in Animal Feeds. *Food Control*. 57, pp. 195 - 201. Elsevier, 2015. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0956713515002297>>. ISSN 0956-7135

DOI: 10.1016/j.foodcont.2015.04.015
Type of production: Scientific paper **Format:** Journal
- 6 T. Apostolou; N. Pascual; M.P. Marco; A. Moschos; A. Petropoulos; G. Kaltsas; S. Kintzios. Extraction-less rapid assay for the direct detection of 2,4,6-trichloroanisole (TCA) in cork samples. *Talanta*. 125, pp. 336 - 340. Elsevier, 2014. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0039914014002045>>. ISSN 00399140

DOI: 10.1016/j.talanta.2014.03.023
Type of production: Scientific paper **Format:** Journal
- 7 N. Sanvicens; N. Pascual; M. Fernandez Arguelles; J. Adrian; J. Costa Fernandez; F. Sanchez Baeza; A. Sanz Medel; M.P. Marco. Quantum dot-based array for sensitive detection of Escherichia coli. *Analytical and Bioanalytical Chemistry*. 399 - 8, pp. 2755 - 2762. Springer, 2011. Available on-line at: <<http://link.springer.com/article/10.1007%2Fs00216-010-4624-5#page-1>>. ISSN 16182642

DOI: 10.1007/s00216-010-4624-5



Type of production: Scientific paper

Format: Journal

- 8** J.L. Maestro; N. Pascual; K. Treiblmayr; J. Lozano; X. Bellés. Juvenile hormone and allatostatins in the German cockroach embryo. *Insect Biochemistry and Molecular Biology*. 40 - 9, pp. 660 - 665. Elsevier, 2010. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/20542115>>. ISSN 09651748

DOI: 10.1016/j.ibmb.2010.06.006

Type of production: Scientific paper

Format: Journal

- 9** N. Sanvicens; C. Pastells; N. Pascual; M.-Pilar Marco. Nanoparticle-based biosensors for pathogenic bacteria detection. *TrAC - Trends in Analytical Chemistry*. 28 - 11, pp. 1243 - 1252. Elsevier, 2009. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0165993609001836>>. ISSN 01659936

DOI: 10.1016/j.trac.2009.08.002

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 4

- 10** L. Vilaplana; N. Pascual; N. Perera; D. Leira; X. Bellés. Antifeeding properties of myosuppressin in a generalist phytophagous leafworm, *Spodoptera littoralis* (Boisduval). *Regulatory Peptides*. 148 - 1-3, pp. 68 - 75. Elsevier, 2008. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0167011508000347>>. ISSN 01670115

DOI: 10.1016/j.regpep.2008.02.002

Type of production: Scientific paper

Format: Journal

- 11** N. Pascual; J.L. Maestro; C. Chiva; D. Andreu; X. Bellés. Identification of a tachykinin related peptide with orexigenic properties in the German cockroach. *Peptides*. 29 - 3, pp. 386 - 392. Elsevier, 2008. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/18178289>>. ISSN 01969781

DOI: 10.1016/j.peptides.2007.11.010

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 5

- 12** D. Mané Padrós; J. Cruz; L. Vilaplana; N. Pascual; X. Bellés; D. Martin. The nuclear hormone receptor BgE75 links molting and developmental progression in the direct-developing insect *Blattella germanica*. *Developmental Biology*. 315 - 1, pp. 147 - 160. Academic Press Inc., 2008. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/18207139>>. ISSN 00121606

DOI: 10.1016/j.ydbio.2007.12.015

Type of production: Scientific paper

Format: Journal

- 13** L. Vilaplana; N. Pascual; N Perera; X. Bellés. Molecular characterization of an inhibitor of apoptosis in the Egyptian armyworm, *Spodoptera littoralis*, and midgut cell death during metamorphosis. *Insect Biochemistry and Molecular Biology*. 37 - 12, pp. 1241 - 1248. Elsevier, 2007. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/17967343>>. ISSN 09651748

DOI: 10.1016/j.ibmb.2007.07.013

Type of production: Scientific paper

Format: Journal

Position of signature: 2

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 4



- 14** K. Treiblmayr; N. Pascual; M.D. Piulachs; T. Keller; X. Bellés. Juvenile hormone titer versus juvenile hormone synthesis in female nymphs and adults of the german cockroach *Blatella germanica*. *Journal of Insect Science*. 6, pp. 1 - 7. Library of the University of Arizona, 2006. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/20233097>>. ISSN 15362442
DOI: 10.1673/031.006.4301
Type of production: Scientific paper **Format:** Journal
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5
- 15** O. Maestro; J. Cruz; N. Pascual; D. Martin; X. Bellés. Differential expression of two RXR/ultraspiracle isoforms during the life cycle of the hemimetabolous insect *Blatella germanica* (Dictyoptera Blatellidae). *Molecular and Cellular Endocrinology*. 238 - 1-2, pp. 27 - 37. Elsevier, 2005. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/15953509>>. ISSN 03037207
DOI: 10.1016/j.mce.2005.04.004
Type of production: Scientific paper **Format:** Journal
- 16** N. Pascual; J. Castresana; M.L. Valero; D. Andreu; X. Bellés. Orcokinin in insects and other invertebrates. *Insect Biochemistry and Molecular Biology*. 34 - 11, pp. 1141 - 1146. Elsevier, 2004. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/15522610>>. ISSN 09651748
DOI: 10.1016/j.ibmb.2004.07.005
Type of production: Scientific paper **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5
- 17** R. Aguilar; J.L. Maestro; L. Vilaplana; N. Pascual; M.D. Piulachs; X. Bellés. Allatostatin gene expression in brain and midgut and activity of synthetic allatostatins on feeding related processes in the cockroach *Blatella germanica*. *Regulatory Peptides*. 115 - 3, pp. 171 - 177. Elsevier, 2003. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0167011503001654>>. ISSN 01670115
DOI: 10.1016/S0167-0115(03)00165-4
Type of production: Scientific paper **Format:** Journal
- 18** J. Cruz; D. Martin; N. Pascual; J.L. Maestro; M.D. Piulachs; X. Bellés. Quantity does matter. Juvenile hormone and the onset of vitellogenesis in cockroach *Blatella germanica* cockroach. *Insect Biochemistry and Molecular Biology*. 33 - 12, pp. 1219 - 1225. Elsevier, 2003. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0965174803001450>>. ISSN 09651748
DOI: 10.1016/j.ibmb.2003.06.004
Type of production: Scientific paper **Format:** Journal
Position of signature: 3 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 6
- 19** G. Rollant; N. Pascual; F. Sardá; P. Takac; H. Laufer. Identification of methyl farnesoate in the hemolymph of the mediterranean deep-sea species norway lobster, *Nephrops norvegicus*. *Journal of Crustacean Biology*. 21 - 2, pp. 328 - 333. 2001. Available on-line at: <<http://www.jstor.org/stable/1549784>>. ISSN 0278-0372
Type of production: Scientific paper **Format:** Journal
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5



- 20** J.L. Maestro; R. Aguilar; N. Pascual; M.I. Valero; M.D. Piulachs; D. Andreu; I. Navarro; X. Bellés. Screening of antifeedant activity in brain extracts led to the identification of sulfakinin as a satiety promoter in the German cockroach: Are arthropod sulfakinins homologous to vertebrate gastrins-cholecystokinins). *European Journal of Biochemistry*. 268 - 22, pp. 5824 - 5830. Wiley, 2001. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/11722569>>. ISSN 00142956
DOI: 10.1046/j.0014-2956.2001.02527.x
Type of production: Scientific paper **Format:** Journal
- 21** E. Peralta; LI. Vilaplana; N. Pascual; C. Carreño; M.D. Piulachs; D. Andreu; X. Bellés. A microdialysis study of allatostatin degradation in *Blatella germanica*. *Physiological Entomology*. 25 - 3, pp. 254 - 259. Wiley, 2000. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1046/j.1365-3032.2000.00189.x/abstract>>.
DOI: 10.1046/j.1365-3032.2000.00189.x
Type of production: Scientific paper **Format:** Journal
Position of signature: 3 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 7
- 22** X. Bellés; M.D. Piulachs; N. Pascual; J.L. Maestro; D. Martin. On the role of juvenile hormone in vitellogenesis in cockroaches. *Physiological Entomology*. 25 - 3, pp. 207 - 208. Wiley, 2000. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1046/j.1365-3032.2000.00199.x/abstract>>.
DOI: 10.1046/j.1365-3032.2000.00199.x
Type of production: Scientific paper **Format:** Journal
Position of signature: 3 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5
- 23** N. Pascual; X. Bellés; J.P. Delbecque; Y.J. Hua; J. Koolman. Quantification of ecdysteroids by immunoassay. Comparison of enzyme immunoassay and radioimmunoassay. *Zeitschrift fur Naturforschung - Section C Journal of Biosciences*. 50 - 11-12, pp. 862 - 867. Verlag der Zeitschrift fur Naturforschung, 1995. Available on-line at: <<http://www.ncbi.nlm.nih.gov/pubmed/8561829>>. ISSN 03410382
PMID: 8561829
Type of production: Scientific paper **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5 **Corresponding author:** Yes
- 24** I. Romaña; N. Pascual; X. Bellés. The ovary is a source of circulating ecdysteroids in *Blatella germanica* (Dictyoptera Blattellidae). *European Journal of Entomology*. 92 - 1, pp. 93 - 103. 1995. Available on-line at: <http://www.eje.cz/artkey/eje-199501-0008_the_ovary_is_a_source_of_circulating_ecdysteroids_in_blatella_germanica_dictyoptera_blatellidae.p> ISSN 1210-5759
Type of production: Scientific paper **Format:** Journal
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 3
- 25** X. Bellés; P. Cassier; X. Cerdá; N. Pascual; M. André; Y. Rosso; M.D. Piulachs. Induction of choriogenesis by 20-hydroxyecdysone in the german cockroach. *Tissue and Cell*. 25 - 2, pp. 195 - 204. Churchill Livingstone, 1993. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/004081669390019H>>. ISSN 00408166
DOI: 10.1016/0040-8166(93)90019-H
Type of production: Scientific paper **Format:** Journal
Position of signature: 4 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee



Total no. authors: 7

- 26** N. Pascual; X. Cerdá; B. Benito; J. Tomas; M.D. Piulachs; X. Bellés. Ovarian ecdysteroid levels and basal oocyte development during maturation in the cockroach *Blattella germanica*. *Journal of Insect Physiology*. 38 - 5, pp. 339 - 348. Elsevier, 1992. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/002219109290058L>>. ISSN 00221910
DOI: 10.1016/0022-1910(92)90058-L
Type of production: Scientific paper
Position of signature: 1

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 6

- 27** J. Tomás; F. Camps; J. Coll; E. Melé; N. Pascual. Synthesis of 25-fluoroponasterone A, a fluorinated analogue of 20-hydroxyecdysone. *Tetrahedron*. 48 - 44, pp. 9809 - 9818. Elsevier, 1992. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S0040402001811972>>. ISSN 00404020
DOI: 10.1016/S0040-4020(01)81197-2
Type of production: Scientific paper
Position of signature: 5

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 5

Corresponding author: Yes

- 28** M.-P Marco; N. Pascual; X. Bellés; A. Messeguer; F. Camps. Abstracts of papers presented at the IXth Ecdysone Workshop Paris September 11-14, 1989: Antagonistic action on ecdysteroid levels and imaginal moult inhibition induced by azadirachtin on *Tenebrio molitor*. *Invertebrate Reproduction and Development*. 18 - 1-2, pp. 103 - 135. Taylor & Francis, 1990. Available on-line at: <<http://www.tandfonline.com/toc/tinv20/18/1-2#.VaOYk7WDK24>>. ISSN 0792-4259
DOI: 10.1080/07924259.1990.9672132
Type of production: Scientific paper

Format: Journal

- 29** Nuria Pascual; M.-Pilar Marco; Xavier Bellés. Azadirachtin induced imaginal moult deficiencies in *Tenebrio molitor* L. (Coleoptera, Tenebrionidae). *Journal of Stored Products Research*. 26 - 1, pp. 53 - 57. Elsevier, 1990. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/0022474X9090037S>>. ISSN 0022474X
DOI: 10.1016/0022-474X(90)90037-S
Type of production: Scientific paper
Position of signature: 1

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 3

- 30** M.-P. Marco; N. Pascual; X. Bellés; F. Camps; A. Messeguer. Ecdysteroid depletion by azadirachtin in *Tenebrio molitor* pupae. *Pesticide Biochemistry and Physiology*. 38 - 1, pp. 60 - 65. Academic Press Inc., 1990. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/004835759090149V>>. ISSN 00483575
DOI: 10.1016/0048-3575(90)90149-V
Type of production: Scientific paper
Position of signature: 2

Format: Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 5

- 31** M. Barreiros dos Santos; C. Sporer; N. Sanvicens; N. Pascual; A. Errachid; E. Martinez; M.-P. Marco; V. Teixeira; J. Samitier. Detection of pathogenic bacteria by electrochemical impedance spectroscopy: influence of the immobilization strategies on the sensor performance. *Procedia Chemistry: Proceedings of the Eurosensors XXIII Conference*. 1 - 1, pp. 1291 - 1294. Elsevier, 2009. Available on-line at: <<http://www.sciencedirect.com/science/article/pii/S1876619609003234>>. **DOI:** 10.1016/j.proche.2009.07.322



Type of production: Book chapter

Format: Book

- 32** X. Bellés; M.D. Piulachs; N. Pascual; J.L. Maestro; D. Martin; L. Vilaplana. Endocrine control of vitellogenesis in insects and the problems of cyclicity. Recent Developments in Comparative Endocrinology and Neurobiology. Shaker Publishing B.V., 1999. ISBN 978-9-0423-0089-7

Type of production: Book chapter

Format: Book

Works submitted to national or international conferences

- 1** **Title of the work:** Immunoassay for rapid diagnosis of infectious diseases caused by *Pseudomonas aeruginosa*
Name of the conference: Foro innovación en tecnologías y productos sanitarios para el diagnóstico de las enfermedades infecciosas
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 21/01/2014
Organising entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Carme Pastells; Enrique Valera; Nuria Pascual; M.-Pilar Marco.
- 2** **Title of the work:** A Novel Immunochemical Approach for the Diagnosis of Infectious Diseases Caused by *Pseudomonas aeruginosa*
Name of the conference: Advances in Biodetection and Biosensors
Type of participation: 'Participatory - poster
Date of event: 05/03/2013
End date: 06/03/2013
Carme Pastells; Nuria Pascual; F. Sanchez Baeza; M.-Pilar Marco. En: Libro de resúmenes.
- 3** **Title of the work:** Development and validation of an enzyme linked immunosorbent assay for (fluoro)quinolones in feeds
Name of the conference: Euroresidue VII
Type of participation: 'Participatory - poster
City of event: Egmond aan Zee, Holland
Date of event: 14/05/2012
End date: 16/05/2012
R. Ashu; M. Granados; R. Companyó; D.G. Pinacho; N. Pascual; M.P. Marco. En: Libro de resúmenes.
- 4** **Title of the work:** New Nanobiotechnological Approaches for the Diagnosis of Infections and Cardiovascular Diseases
Name of the conference: Imaginenano 2011
Type of participation: Participatory - invited/keynote talk
City of event: Bilbao, Spain
Date of event: 11/04/2011
End date: 14/04/2011
M.P. Marco; C. Pastells; J.P. Salvador; G. Colom; N. Sanvicens; N. Pascual.
- 5** **Title of the work:** Quantum dot-based array for single-cell detection of *Escherichia coli*
Name of the conference: Biosensors 2010
Type of participation: 'Participatory - poster
City of event: Glasgow, United Kingdom
Date of event: 26/05/2010



End date: 28/05/2010

Nuria Sanvicens; Nuria Pascual; Maria Teresa Fernández Argüelles; José Manuel Costa Fernández; Francisco Sanchez Baeza; Alfredo Sanz Medel; M.-Pilar Marco.

- 6** **Title of the work:** Detection of pathogenic bacteria by electrochemical impedance spectroscopy: influence of the immobilisation strategies on the sensor performance
Name of the conference: Eurosensors XXIII
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Lausanne, Switzerland
Date of event: 06/09/2009
Type of contribution: Scientific paper
M. Barreiros dos Santos; C. Sporer; N. Sanvicens; N. Pascual; A. Errachid; E. Martinez; M.P. Marco; V. Teixeira; J. Samitier. "Detection of pathogenic bacteria by electrochemical impedance spectroscopy: influence of the immobilisation strategies on the sensor performance". En: *Procedia Chemistry*. 1 - 1, pp. 1291 - 1294. 2009.
DOI: 10.1016/j.proche.2009.07.322
- 7** **Title of the work:** Sulfakinin isolated from brain extracts inhibits food intake in the cockroach *Blatella germanica* (L.) (Dictyoptera Blatellidae)
Name of the conference: 14th International Congress of Comparative Endocrinology
City of event: Sorrento, Italy
Date of event: 05/2001
J.L. Maestro; R. Aguilar; N. Pascual; M.L. Valero; M.D. Piulachs; D. Andreu; X. Bellés.
- 8** **Title of the work:** La hormona juvenil y la ecdisona en la expresión de la vitelogenina en *Blatella germanica* (L.) (Dictyoptera Blatellidae)
Name of the conference: Congreso de la Asociación Ibérica de Endocrinología
City of event: Murcia, Spain
Date of event: 15/11/1999
End date: 17/11/1999
Organising entity: Asociación Ibérica de Endocrinología
Type of entity: Associations and Groups
D. Comas; M.D. Piulachs; N. Pascual; X. Bellés.
- 9** **Title of the work:** Efecto de la 20-hidroxiecdisona sobre la producción de vitelogenina en la cucaracha *Blatella germanica* (L.) (Dictyoptera Blatellidae)
Name of the conference: Congreso Constitutivo de la Asociación Ibérica de Endocrinología Comparada
City of event: Peniscola, Spain
Date of event: 05/04/1998
End date: 18/04/1998
Organising entity: Asociación Ibérica de Endocrinología Comparada
Type of entity: Associations and Groups
D. Comas; D. Martin; M.D. Piulachs; N. Pascual; X. Bellés.
- 10** **Title of the work:** Endocrine disorders in ovariectomized cockroaches
Name of the conference: 12th International Congress of Comparative Endocrinology
Type of participation: Participatory - oral communication
City of event: Toronto, Canada
Date of event: 1993
End date: 1993
Organising entity: Society for Endocrinology
Type of entity: Associations and Groups



X. Bellés; J.L. Maestro; N. Pascual; M.D. Piulachs; I. Romaña.

- 11** **Title of the work:** Effects of azadirachtin, 25-fluoroponasterone A and RH 5849 on reproduction in the cockroach *Blatella germanica*
Name of the conference: 16th Conference of European Comparative Endocrinologists
Type of participation: Participatory - oral communication
City of event: Padua, Italy
Date of event: 1992
N. Pascual; X. Bellés.
- 12** **Title of the work:** Ovarian ecdysteroid titres during the gonadotropic cycle in the cockroach *Blatella germanica*
Name of the conference: 15th Conference of European Comparative Endocrinologists
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Leuven, Belgium
Date of event: 1990
X. Cerdá; N. Pascual; P. Cassier; X. Bellés.
- 13** **Title of the work:** Significación fisiológica de los ecdisteroides ováricos en cucarachas
Name of the conference: IV Congreso Ibérico de Entomología
Type of participation: Participatory - oral communication
City of event: Sant Feliu de Guixols, Spain
Date of event: 1990
Organising entity: ASOCIACION ESPAÑOLA DE ENTOMOLOGIA
X. Bellés; P. Cassier; X. Cerdá; N. Pascual; M.D. Piulachs; J. Tomás.
- 14** **Title of the work:** Antagonistic action on ecdysteroid levels and imaginal moult inhibition induced by azadirachtin on *Tenebrio molitor*
Name of the conference: IX Ecdysone Workshop
Type of event: Workshop **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Paris, France
Date of event: 11/09/1989
End date: 14/09/1989
Type of contribution: Scientific paper
M.P. Marco; N. Pascual; X. Bellés. En: *Invertebrate Reproduction and Development*. 18 - 1-2, pp. 105 - 135. 1990. ISSN 0792-4259
DOI: 10.1080/07924259.1990.9672132

Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** Practical examples of antibody validation: Practical examples of ELISA small molecule antibody validation
Name of the event: 8th EuroMAbNet Meeting- EuroMabNet workshop
Date of event: 22/09/2016
End date: 23/09/2016
Organising entity: EuroMAbNet **Type of entity:** Associations and Groups
City organizing entity: Opatija,, Croatia



- 2** **Title of the work:** Custom Antibody Service: From the molecule to the bioassay
Name of the event: VIII Jornadas Anuales CIBER-BBN
Corresponding author: Yes
City of event: Girona, Spain
Date of event: 10/11/2014
End date: 11/11/2014
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Ana Gonzalez Gonzalez; Nuria Pascual; M.-Pilar Marco.
- 3** **Title of the work:** A novel immunochemical approach for the diagnosis of infectious diseases caused by *Pseudomonas aeruginosa*
Name of the event: 6th EuroMAbNet Meeting
Corresponding author: Yes
City of event: Paris, France
Date of event: 04/09/2014
End date: 05/09/2014
Organising entity: EuroMAbNet
Type of entity: Associations and Groups
Carne Pastells; Nuria Pascual; Francisco Sanchez Baeza; M.Pilar Marco.
- 4** **Title of the work:** Antibodies against small molecules: A few case studies
Name of the event: 5th EuroMAbNet Meeting
Type of event: Workshop
Corresponding author: Yes
City of event: Menorca,
Date of event: 23/09/2013
End date: 24/09/2013
Organising entity: EuroMabNet
Type of entity: Associations and Groups
Nuria Pascual.
- 5** **Title of the work:** Quantum dot-based array for single cell detection of *Escherichia coli*
Name of the event: IV Jornadas Anuales CIBER-BBN
Type of event: Workshop
City of event: Barcelona,
Date of event: 2010
Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Nuria Sanvicens; Nuria Pascual; Maria Teresa Fernandez Argüelles; José Manuel Costa Fernandez; Francisco Sanchez Baeza; Alfredo Sanz Medel; M.-Pilar Marco.
- 6** **Title of the work:** Inhibition of vitellogenin production by ecdysteroids in the cockroach *Blattella germanica*
Name of the event: XII Ecdysone Workshop
Type of event: Workshop
City of event: Barcelona,
Date of event: 1996
N. Pascual; D. Martin; J.L. Maestro; M.D. Piulachs; X. Bellés.
- 7** **Title of the work:** The ovary is a source of circulating ecdysteroids in *Blattella germanica* (L.) (Dictyoptera Blattellidae)
Name of the event: XI Ecdysone Workshop
Type of event: Workshop
City of event: Ceske Budejovice, Czech Republic
Date of event: 1994



I. Romaña; N. Pascual; X. Bellés.

8 Title of the work: Influència de l'ovari en l'homeostasi hormonal de *Blatella germanica* (L.) (Dictyoptera Blatellidae)

Name of the event: 3es Jornades sobre Biologia de la Reproducció

Type of event: Workshop

City of event: Barcelona,

Date of event: 1993

Organising entity: Societat Catalana de Biologia **Type of entity:** Associations and Groups
J.L. Maestro; N. Pascual; M.D. Piulachs; I. Romaña; X. Bellés.

9 Title of the work: Regulació hormonal de la reproducció en insectes: d'Eros a Thánatos

Name of the event: Jornada sobre el control integrat de plagues: actuacions de R&D a Catalunya

City of event: Barcelona, Spain

Date of event: 1993

X. Bellés; N. Pascual; M.D. Piulachs.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: EuroMAbNet

Primary (UNESCO code): 241201 - Antigens; 241202 - Antibodies; 241203 - Antigen-antibody reaction; 241204 - Antibody formation; 241206 - Immunisation; 241207 - Immunochemistry

Start date: 2013

Organization of R&D activities

Title of the activity: XII Ecdysone Workshop

Type of activity: Workshop

City of event: Barcelona, Spain

Convening entity: Centro de Investigación y Desarrollo

City convening entity: Barcelona, Spain

Type of participation: Organiser

Start-End date: 1996 - 1996

Geographical area: Non EU International

Type of entity: State agency



Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Laboratorio de Bioquímica y Endocrinología **Type of entity:** University
City of entity: Marburg, Germany
Start date: 1994 **Duration:** 1 month
Goals of the stay: Doctorate
Provable tasks: Desarrollo de ELISA de ecdisteroides
- 2** **Entity:** Laboratoire de Zoologie
City of entity: Dijon, France
Start date: 1993 **Duration:** 7 days
Goals of the stay: Doctorate
Provable tasks: ELISA de ecdisteroides

Obtained grants and scholarships

Name of the grant: Ayudas para contratos predoctorales de Formación del Profesorado Universitario FPU
Aims: Pre-doctoral
Awarding entity: Ministerio de Educación Cultura y el Deporte **Type of entity:** State agency
Conferral date: 1991 **Duration:** 4 years
Entity where activity was carried out: Centro de Investigación y Desarrollo
Faculty, institute or centre: Departamento de Agricultura