



# Mario Rodríguez Peña

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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.

BSc (Hons) in Biochemistry by University of Salamanca and PhD in Biomedical Research in the University of Valladolid (**Extraordinary Doctorate Award** with 7 papers published and 4 conference presentations) on the characterization of metabolic changes behind signalling and epigenetics modifications responsible for the transcriptional balance between cytokines IL23 (for Th17 immune response) and IL12 (for Th1) in human monocyte-derived dendritic cells according to several stimuli. This study was part of the **research projects** "SAF2010-15070: Respuesta de las células dendríticas a la infección por hongos y a las células apoptóticas" funded by Spanish Ministry of Science and Innovation, and "CSI003A11-2: Nuevos abordajes para el tratamiento del síndrome de respuesta antiinflamatoria compensadora y las infecciones sistémicas basados en las vías de señalización y regulación transcripcional" funded by regional government of Castile and Leon. The main achievements were:

- "Sirtuin 1 is a key regulator of the IL12 p70/IL23 balance in human dendritic cells. Journal of Biological Chemistry. 2012. 287: 35689 - 35701" described how activation of AMPK and increase of nuclear NAD+ levels activate SIRT1 deacetylase recruited to IL12A promoter.

- "The unfolded protein response and the phosphorylations of activating transcription factor 2 in the trans-activation of il23a produced by beta-glucans Journal of Biological Chemistry. 2014. 289: 22942-22957", with data presented in XXXVI Congress of SEBBM in 2013 and 3rd Madrid Meeting on Dendritic cells and Macrophages in 2014 as **invited talk**, described the MAP-Kinases involved in the phased phosphorylation of ATF2 acetyltransferase to transactivate IL23A.

- "Pharmacological inhibition of eicosanoids and platelet-activating factor signalling impairs zymosan-induced release of IL23 by dendritic cells. Biochemical Pharmacology. 2016. 102: 78 - 96", with data presented in Innate Immune Memory conference in UK in 2015 and I National Congress of Young Researchers in Biomedicine in 2016, described Syk activation by Dectins receptors and the joint release of leukotrienes and PAF in the transactivation of IL23A.

During my PhD, I **coordinated** the experimental work of a master student and **lectured** a 3-hour class in "Cellular Signalling" for MSc in Biomedical Research in University of Valladolid during the years 2012/13 and 2013/14. After finishing my PhD, I **revised** for Immunologic Research (Humana Press, Springer).

My first 1-year postdoc in **Royal College of Surgeons in Ireland (RCSI)**, the lipid mediators described in my thesis, along with IL23 and IL17, were found increased in blood plasma of alpha-1 antitrypsin deficiency (AATD) patients (a type of inherited Chronic Obstructive Pulmonary Disorder), thus explaining their predisposition to autoimmunity and resistance to corticoid treatment. After an 8-month second postdoc deciphering modulators of TRAIL signalling in **Trinity College Dublin (TCD)**, my third postdoc in **Maynooth University (MU)** was part of the **research project** "HRA-





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POR-2015-1352: Exploring immune signalling pathways that are deregulated in Multiple Sclerosis at the molecular level" funded by Health Research Board (HRB), an Irish State Agency. The inhibition of SHP2 phosphatase, a proposed Th17 activator in autoimmune disorder Multiple Sclerosis, was studied to counter-regulate Th17 response via IFNß release, hallmark of Th1 response, using mainly microglial line CHME3. During this postdoc I optimized a co-immunoprecipitation technique to detect posttranslational marks, coordinated the experimental work of a PhD student and delivered a seminar in the Seminar Series (BI420) in the year 2019/20 and one lecture in Advanced Immunology (BI405) in the year 2020/21 for BSc Biological and Biomedical Sciences in Maynooth University. My fourth postdoc in Instituto de Recursos Naturales y Agrobiología de Salamanca (IRNASA-CSIC), part of the research project "COVID-19: anti-infectious and anti-inflammatory action of immunomodulatory parasite molecules in a safe-to-use synthetic format" funded by the CSIC PTI "Salud Global". The aim was developing new models for the study of the regulation of Th1/Th17 immune responses by Fasciola hepatica compounds to identify new anti-viral and anti-inflammatory molecules with data presented in XXII Congress of SocEPa and 44° Congress of SEBBM. I supervised a PhD student during this postdoc. As a Collaborator Lecturer, I delivered 184 hours in four classes on Biochemistry for the degrees of Medicine, Pharmacy and Odontology in CEU San Pablo University during the year 2023/24, and recognised as Doctor Assistant Professor (Profesor Ayudante Doctor) by ACSUCYL. The papers "The periodic spiral of elements. Foundations of Chemistry. 2024. 26: 315-321" and "La espiral periódica: una reforma de la tabla periódica. DCiencia. 2025" were published. I also revised for Journal of Pharmacology and Experimental Therapeutics (Elsevier)







## Mario Rodríguez Peña

Surname(s):	Rodríguez Peña
Name:	Mario
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ScopusID:	56411145300
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#### Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad San Pablo CEU	Collaborator Lecturer	22/01/2024
2	Consejo Superior de Investigaciones Científicas	Postdoctoral Researcher	22/11/2021
3	Maynooth University (MU)	Postdoctoral Researcher	01/08/2019
4	Trinity College Dublin (TCD)	Research Fellow	01/11/2018
5	Royal College of Surgeons in Ireland (RCSI)	Postdoctoral Researcher	02/10/2017
6	Universidad de Valladolid	FPI-UVa fellow	30/07/2010
7	Universidad de Valladolid	Initiation to research in LOU institutes fellow of UVa	01/12/2009
8	Universidad de Salamanca	Collaboration-research fellow of MEPSyD	06/11/2008

1Employing entity: Universidad San Pablo CEUType of entity: UniversityDepartment: Chemistry and Biochemistry

City employing entity: Madrid, Community of Madrid, Spain

Professional category: Collaborator Lecturer

Email: pramos@ceu.es

Start-End date: 22/01/2024 - 18/05/2024 Duration: 3 months - 28 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 240300 - Biochemistry

**Applicability in teaching and/or research:** Lecturing experience: 123 hours of Metabolic Biochemistry (20/02/2024 - 10/05/2024) for the Degree in Medicine. 24 hours of Biotechnology (26/02/2024 - 07/05/2024), 24 hours of Biochemistry II (15/04/2024 - 24/04/2024), and 1 hour of Research Seminars (26/04/2024) for the Degree in Pharmacy. 12 hours of Biochemistry (04/03/2024 - 07/03/2024) for the Degree in Odontology.

2 Employing entity: Consejo Superior de Investigaciones Científicas Department: Parasitology, Instituto de Recursos Naturales y Agrobiología de Salamanca City employing entity: Salamanca, Castile and León, Spain Professional category: Postdoctoral Researcher





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Email: direccion.irnasa@csic.es Duration: 1 year - 1 month - 9 days Start-End date: 22/11/2021 - 31/12/2022 Type of contract: Temporary employment contract Dedication regime: Full time Primary (UNESCO code): 241200 - Immunology Secondary (UNESCO code): 240700 - Cell biology Performed tasks: Technical coordination and development of research on immunomodulation with products from Fasciola hepatica. Supervision of a PhD student. Identify key words: Biomedicine; Cell culture; Clinical biology; Cell biology; Molecular biology; Animal disease; Animal parasitology; Viral pathogens of animals; Animal immunology; Helminth pathogens of animals Area of leadership and/or management activity: Public Research Body **3 Employing entity:** Maynooth University (MU) Type of entity: University **Department:** Biology City employing entity: Maynooth, Southern and Eastern, Ireland Professional category: Postdoctoral Researcher Leadership and management (Y/N): Yes Phone: (353) (01) 708 3856 Start-End date: 01/08/2019 - 31/03/2021 Duration: 1 year - 8 months Type of contract: Temporary employment contract Dedication regime: Full time Primary (UNESCO code): 241200 - Immunology Secondary (UNESCO code): 240700 - Cell biology Performed tasks: Project: Role of SHP2 in IRF3/7 signaling and modulation of proinflammatory cytokines. Coordination of experimental work of a PhD student. Identify key words: Biomedicine; Cell culture; Clinical biology; Cell biology; Molecular biology Applicability in teaching and/or research: A 1-hour seminar in the Seminar Series (BI420) in the year 2019/20 and a 1-hour lecture in Advanced Immunology (BI405) in the year 2020/21 for BSc Biological and Biomedical Sciences. **4 Employing entity:** Trinity College Dublin (TCD) Type of entity: University **Department:** Genetics City employing entity: Dublin, Southern and Eastern, Ireland Professional category: Research Fellow Start-End date: 01/11/2018 - 14/07/2019 Duration: 8 months - 14 days Type of contract: Temporary employment contract Dedication regime: Full time Primary (UNESCO code): 241200 - Immunology Performed tasks: Project: Identification of TRAIL signaling modulators. Identify key words: Biomedicine 5 Employing entity: Royal College of Surgeons in Type of entity: University Ireland (RCSI) Department: Irish National Centre for Genetic Lung Disease, School of Medicine City employing entity: Dublin, Southern and Eastern, Ireland Professional category: Postdoctoral Researcher Start-End date: 02/10/2017 - 30/09/2018 Duration: 1 year Type of contract: Temporary employment contract Dedication regime: Full time Primary (UNESCO code): 241200 - Immunology Secondary (UNESCO code): 240700 - Cell biology





	<b>Performed tasks:</b> Project: Detection of cytokines and lipid mediators of Th17 immune response in AATD patients.		
	Identify key words: Biomedicine; Cell culture; Cli	nical biology; Cell biology; Molecular biology	
6	<b>Employing entity:</b> Universidad de Valladolid <b>Department:</b> Biochemistry and Molecular Biology Molecular <b>City employing entity:</b> Valladolid, Castile and Le	<b>Type of entity:</b> University , and Physiology, Instituto de Biología y Genética ón. Spain	
	Professional category: FPI-UVa fellow Phone: (34) 983184835	Leadership and management (Y/N): Yes	
	Start-End date: 30/07/2010 - 18/12/2015	<b>Duration:</b> 4 years - 3 months - 16 days	
	Type of contract: Grant-assisted student (pre or pedication regime: Full time Primary (UNESCO code): 241200 - Immunology Secondary (UNESCO code): 240700 - Cell biolog Performed tasks: Project: Regulation of IL23/IL responses) by metabolites, lipid mediators, a Coordination of experimental work of a Master stu Identify key words: Biomedicine; Cell culture; Cli Area of leadership and/or management activity Applicability in teaching and/or research: A 3-h for MSc in Biomedical Research in the years 2012	gy 12 (involved in the Th17 and Th1 immune nd epigenetic control of its transcription. dent. nical biology; Cell biology; Molecular biology r: University nour lecture in the subject "Cellular Signalling" /13 and 2013/14.	
7	<b>Employing entity:</b> Universidad de Valladolid <b>Department:</b> Biochemistry and Molecular Biology Molecular	<b>Type of entity:</b> University , and Physiology, Instituto de Biología y Genética	
	<b>City employing entity:</b> Valladolid, Castile and Le <b>Professional category:</b> Initiation to research in Li <b>Phone:</b> (34) 983184835	ón, Spain OU institutes fellow of UVa	
	Start-End date: 01/12/2009 - 26/02/2010 Dedication regime: Part time Primary (UNESCO code): 241200 - Immunology Identify key words: Biomedicine	Duration: 3 months	
8	Employing entity: Universidad de Salamanca Department: Cellular Biology and Pathology, Insti City employing entity: Salamanca, Castile and L Professional category: Collaboration-research fe Phone: (34) 923294500 - 1881 Start-End date: 06/11/2008 - 01/07/2009 Dedication regime: Part time	<b>Type of entity:</b> University ituto de Neurociencias de Castilla y León eón, Spain ellow of MEPSyD <b>Duration:</b> 8 months	
	Primary (UNESCO code): 249000 - Neuroscience Identify key words: Biomedicine	es	







# Education

## **University education**

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

- University degree: Higher degree
   Name of qualification: Master in Biomedical Research
   Degree awarding entity: Universidad de Valladolid Type of entity: University
   Date of qualification: 24/09/2010
- 2 University degree: Higher degree
   Name of qualification: BSc (Hons) in Biochemistry
   Degree awarding entity: Universidad de Salamanca Type of entity: University
   Date of qualification: 11/06/2009

## Doctorates

Doctorate programme: Official Programme of PhD in Biomedical Research Degree awarding entity: Universidad de Valladolid Type of entity: University City degree awarding entity: Valladolid, Castile and León, Spain Date of degree: 21/12/2015 European doctorate: No Thesis title: Activación de IL23A y represión de IL12A por metabolitos en la respuesta inmune Th17 Thesis director: Mariano Sánchez Crespo Thesis co-director: Mª Nieves Fernández García Obtained qualification: Sobresaliente "cum laude" Recognition of quality: Yes

#### Other postgraduate university studies

Postgraduate qualification: Professional Diploma in Leadership & ManagementDegree awarding entity: Edinburgh NapierType of entity: University Centres and Structures<br/>and Associated BodiesUniversityStructures<br/>and Associated BodiesDate of qualification: 02/08/2018Structures<br/>and Associated Bodies







## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German	A2	A2	A2	A2	A2
French	B1	B2	B1	B1	B1
English	C1	C1	C1	C1	C1
Catalan	C2	C2	C2	C2	C2

# **Teaching experience**

## **General teaching experience**

1	Type of teaching: Official teaching	
	Name of the course: Metabolic Biochemistry	
	Type of teaching: Laboratory work	
	Type of subject: Obligatory	
	University degree: Degree in Medicine	
	Course given: 2023/2024	
	Start date: 20/02/2024	End date: 10/05/2024
	Type of hours/ ECTS credits: Credits	
	Hours/ECTS credits: 12,3	
	Entity: Universidad San Pablo CEU	Type of entity: University
	Faculty, institute or centre: Faculty of Pharmacy	
	Department: Chemistry and Biochemistry	
	City of entity: Madrid, Community of Madrid, Spain	
	Subject language: Spanish	
2	Type of teaching: Official teaching	
	Name of the course: Biotechnology	
	Type of teaching: Laboratory work	
	Type of subject: Obligatory	
	University degree: Degree in Pharmacy	
	Course given: 2023/2024	
	Start date: 26/02/2024	End date: 07/05/2024
	Type of hours/ ECTS credits: Credits	
	Hours/ECTS credits: 2,4	
	Entity: Universidad San Pablo CEU	Type of entity: University
	Faculty, institute or centre: Faculty of Pharmacy	
	Department: Chemistry and Biochemistry	
	City of entity: Madrid, Community of Madrid, Spain	
	Subject language: Spanish	
2	Type of teaching, Official teaching	

3 Type of teaching: Official teaching Name of the course: Research Seminars Type of teaching: In person theory Type of subject: Obligatory







	University degree: Degree in Pharmacy	
	Course given: 2023/2024	
	Start date: 26/04/2024	End date: 26/04/2024
	Type of hours/ ECTS credits: Credits	
	Hours/ECTS credits: 0,1	
	Entity: Universidad San Pablo CEU	Type of entity: University
	Faculty, institute or centre: Faculty of Pharmacy	
	Department: Chemistry and Biochemistry	
	City of entity: Madrid, Community of Madrid, Spain	
	Subject language: Spanish	
4	Type of teaching: Official teaching	
	Name of the course: Biochemistry II	
	Type of teaching: Laboratory work	
	Type of subject: Obligatory	
	University degree: Degree in Pharmacy	
	Course given: 2023/2024	
	Start date: 15/04/2024	End date: 24/04/2024
	Type of hours/ ECTS credits: Credits	Lind date: 24/04/2024
	Hours/ECTS credits: 2 /	
	Entity: Universided San Pable CEU	Type of optity: University
	Enculty institute or control Eaculty of Pharmacy	Type of entity. Oniversity
	Parartment: Chemistry and Pischemistry	
	<b>City of antity</b> Modrid Community of Modrid Spain	
	City of entity: Madrid, Community of Madrid, Spain	
	Subject language: Spanish	
F	True of the shire of the schire	
5	lype of teaching: Official teaching	
	Name of the course: Biochemistry	
	Type of teaching: Laboratory work	
	Type of subject: Obligatory	
	University degree: Degree in Odontology	
	Course given: 2023/2024	
	Start date: 04/03/2024	End date: 07/03/2024
	Type of hours/ ECTS credits: Credits	
	Hours/ECTS credits: 1,2	
	Entity: Universidad San Pablo CEU	Type of entity: University
	Faculty, institute or centre: Faculty of Pharmacy	
	Department: Chemistry and Biochemistry	
	City of entity: Madrid, Community of Madrid, Spain	
	Subject language: Spanish	
6	Type of teaching: Official teaching	
	Name of the course: Advanced Immunology 1 (BI405)	
	Type of programme: Bachelor's degree	Type of teaching: Virtual
	Type of subject: Obligatory	
	University degree: BSc Biological and Biomedical Scier	ices
	Course given: 2020/2021	
	Start date: 07/12/2020	End date: 07/12/2020
	Type of hours/ ECTS credits: Credits	
	Hours/ECTS credits: 0,1	
	Entity: Maynooth University (MU)	Type of entity: University
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# Scientific and technological experience

## Scientific or technological activities

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









#### Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Public **City funding entity:** Madrid, Community of Madrid, Spain

Code according to the funding entity: SAF2010-15070 Start-End date: 2011 - 2014 Total amount: 280.000 € Dedication regime: Full time

Name of the project: Nuevos abordajes para el tratamiento del síndrome de respuesta antiinflamatoria compensadora y las infecciones sistémicas basados en las vías de señalización y regulación transcripcional Entity where project took place: Instituto de Biología y Genética Molecular
 City of entity: Valladolid, Castile and León, Spain
 Name principal investigator (PI, Co-PI....): Mariano Sánchez Crespo
 Nº of researchers: 4
 Funding entity or bodies:
 Junta de Castilla y León
 City funding entity: Valladolid, Castile and León, Spain
 Code according to the funding entity: CSI003A11-2

Start-End date: 2011 - 2012 Total amount: 29.700 € Dedication regime: Full time

## Scientific and technological activities

#### Scientific production

#### Publications, scientific and technical documents

1 Mario Rodríguez Peña; José Ángel García Guerra. The periodic spiral of elements. Foundations of Chemistry. 26 - 2, pp. 315 - 321. Springer Nature, 20/07/2024. Available on-line at: <a href="https://rdcu.be/dOtlA>">https://rdcu.be/dOtlA></a>.

Type of production: Scientific paper Total no. authors: 2 Impact source: JCR Impact index in year of publication: 1.8 Position of publication: 17 Format: Journal Corresponding author: Yes Category: History and Philosophy of Science Journal in the top 25%: Yes No. of journals in the cat.: 105

Relevant results: Commented in Muy Interesante: https://www.muyinteresante.com/ciencia/65923.html

2 Mario Rodríguez Peña; Saioa Márquez; Juan Vladimir de la Rosa; Sara Alonso; Antonio Castrillo; Mariano Sánchez Crespo; Nieves Fernández García. Fungal pattern receptors down-regulate the inflammatory response by a cross-inhibitory mechanism independent of IL-10 production. Immunology. 150 - 2, pp. 184 - 198. 2017.

Type of production: Scientific paper

Impact source: ISI Impact index in year of publication: 4.078 Position of publication: 44 Format: Journal Category: Immunology

No. of journals in the cat.: 151







3 Mario Rodríguez Peña; Saioa Márquez; Olimpio Montero; Sara Alonso; Javier García Frade; Mariano Sánchez Crespo; Nieves Fernández García. Pharmacological inhibition of eicosanoids and platelet-activating factor signaling impairs zymosan-induced release of IL-23 by dendritic cells. Biochemical Pharmacology. 102, pp. 78 - 96. 2016.

Type of production: Scientific paperFormat: JournalImpact source: ISICategory: Science Edition - PHARMACOLOGY &<br/>PHARMACYImpact index in year of publication: 5.009Journal in the top 25%: Yes<br/>No. of journals in the cat.: 255

4 Mario Rodríguez Peña; Esther Domingo; Cristina Municio; Yolanda Álvarez; Etzel Hugo; Nieves Fernández García; Mariano Sánchez Crespo. Polarization of the Innate Immune Response by Prostaglandin E2: a Puzzle of Receptors and Signals. Molecular Pharmacology. 85 - 1, pp. 187 - 197. 2014.

Type of production: Scientific paper	Format: Journal
Impact source: ISI	<b>Category:</b> Science Edition - PHARMACOLOGY & PHARMACY
Impact index in year of publication: 4.128	Journal in the top 25%: Yes
Position of publication: 38	No. of journals in the cat.: 255

5 Mario Rodríguez Peña; Esther Domingo; Sara Alonso; Javier García Frade; José Eiros; Mariano Sánchez Crespo; Nieves Fernández García. The unfolded protein response and the phosphorylations of activating transcription factor 2 in the trans-activation of il23a produced by beta-glucans. Journal of Biological Chemistry. 289 - 33, pp. 22942 -22957. 2014.

Type of production: Scientific paper	Format: Journal
Impact source: ISI	Category: Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY
Impact index in year of publication: 4.573	Journal in the top 25%: Yes
Position of publication: 61	No. of journals in the cat.: 290

6 Cristina Municio; Yolanda Álvarez; Olimpio Montero; Etzel Hugo; Mario Rodríguez Peña; Sara Alonso; Nieves Fernández García; Mariano Sánchez Crespo. The response of human macrophages to beta-glucans depends on the inflammatory milieu. PLOS One. 8 - 4, pp. e62016. 2013.

Type of production: Scientific paper	Format: Journal
Impact source: ISI	Category: Science Edition - MULTIDISCIPLINARY SCIENCES
Impact index in year of publication: 3.234	Journal in the top 25%: Yes
Position of publication: 9	No. of journals in the cat.: 57

7 Yolanda Álvarez; Mario Rodríguez Peña; Cristina Municio; Etzel Hugo; Sara Alonso; Nieves Ibarrola; Nieves Fernández García; Mariano Sánchez Crespo. Sirtuin 1 is a key regulator of the IL-12 p70/IL-23 balance in human dendritic cells. Journal of Biological Chemistry. 287, pp. 35689 - 35701. 2012.

Type of production: Scientific paper	Format: Journal
Impact source: ISI	Category: Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY
Impact index in year of publication: 4.573	Journal in the top 25%: Yes
Position of publication: 61	No. of journals in the cat.: 290

8 Yolanda Álvarez; Isela Valera; Cristina Municio; Etzel Hugo; Francisco Padrón; Lydia Blanco; Mario Rodríguez Peña; Nieves Fernández García; Mariano Sánchez Crespo. Eicosanoids in the Innate Immune Response: TLR and non-TLR routes. Mediators of Inflammation. pp. 201929. 2010.

Type of production: Scientific paper

MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES Format: Journal





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Impact source: ISI Impact index in year of publication: 3.236 Position of publication: 58 Category: Science Edition - IMMUNOLOGY

No. of journals in the cat.: 148

- 9 Mario Rodríguez Peña. La espiral periódica: una reforma de la tabla periódica. DCiencia, 04/06/2025. Available on-line at: <a href="https://www.dciencia.es/la-espiral-periodica-una-reforma-de-la-tabla-periodica/">https://www.dciencia.es/la-espiral-periodica-una-reforma-de-la-tabla-periodica/</a>.
   Type of production: Popular science article
   Degree of contribution: Author or co-author of educational publication
   Total no. authors: 1
- Mario Rodríguez Peña. Activación de IL23A y represión de IL12A por metabolitos en la respuesta inmune Th17. ProQuest LLC, 2015. ISBN 978-1339531007
   Type of production: Scientific book or monograph
   Format: Book
   Degree of contribution: Author or co-author of entire book
   Corresponding author: Yes

## Works submitted to national or international conferences

 Title of the work: Interacciones Parásito-Hospedador en la Fasciolosis: Modulación de la Ruta del IFNβ en Fases Tempranas de la Infección
 Name of the conference: 44° Congreso SEBBM

Type of event: Conference Type of participation: Participatory - oral communication City of event: Málaga, Andalusia, Spain Date of event: 06/09/2022 End date: 09/09/2022 Organising entity: Sociedad Española de Bioquímica y Biología Molecular

Geographical area: National Reasons for participation: Review before acceptance

Type of entity: Associations and Groups

**City organizing entity:** Madrid, Community of Madrid, Spain **Publication in conference proceedings:** Yes

María Campo Celada; David Becerro Recio; Judit Serrat; Marta López García; Iván M. Fernández López; Francisco Colina; Javier Sotillo; Javier González Miguel; Mar Siles Lucas; Mario Rodríguez Peña. (Spain): Available on-line at: <https://congresos.sebbm.es/malaga2022/wp-content/uploads/Resumenes\_final\_3.pdf>.

**2 Title of the work:** Influence of the helminth Fasciola hepatica in the in vitro Infection of Mammalian Cells with SARS-COV-2

Name of the conference: XXII Congreso de la Sociedad Española de Parasitología (SocEPa)		
Type of event: Conference	Geographical area: National	
Type of participation: 'Participatory - poster	Reasons for participation: Review before	
	acceptance	

**City of event:** Madrid, Community of Madrid, Spain **Date of event:** 05/07/2022 **End date:** 08/07/2022 **Organising entity:** Sociedad Española de Parasitología (SocEPa)

Type of entity: Associations and Groups

**City organizing entity:** Madrid, Community of Madrid, Spain **Type of contribution:** Scientific-technical report

Judit Serrat; Clara Francés Gómez; Mario Rodríguez Peña; María Campo Celada; María Torres Valle; Rafael Sanjuán; Marta López García; David Becerro Recio; Krystyna Cwiklinski; Javier González Miguel;







Ron Geller; Mar Siles Lucas. En: ParaJournal. 1, pp. 340. Community of Madrid (Spain): 03/07/2022. Available on-line at: <a href="https://socepa.files.wordpress.com/2022/10/parajournal1\_2022.pdf">https://socepa.files.wordpress.com/2022/10/parajournal1\_2022.pdf</a>>. ISSN 2951-8741

**3** Title of the work: Lipid mediators elicit the activation of IL23A transcription via ATF2 phosphorylation Name of the conference: I Congreso Nacional de Jóvenes Investigadores en Biomedicina Type of event: Conference Geographical area: National Type of participation: 'Participatory - poster City of event: Valencia, Valencian Community, Spain Date of event: 28/11/2016 End date: 29/11/2016 Organising entity: Centro de Investigación Príncipe Type of entity: Foundation Felipe City organizing entity: Valencia, Valencian Community, Spain Mario Rodríguez Peña; Saioa Márguez; Sara Alonso; Olimpio Montero; Nieves Fernández García; Mariano Sánchez Crespo. Available on-line at: <a href="https://www.researchgate.net/">https://www.researchgate.net/</a> publication/310610570\_Lipid\_mediators\_elicit\_the\_activation\_of\_IL23A\_transcription\_via\_ATF2\_phosphorylation>. **4 Title of the work:** Autocrine leukotrienes and platelet-activating factor (1-alkyl-2-acetyl-sn-glycero-3-phosphocholine) underlie the cytokine signature induced by fungal patterns in monocyte-derived dendritic cells Name of the conference: Innate Immune Memory Type of event: Conference Geographical area: European Union **Type of participation:** 'Participatory - poster City of event: Hinxton, Cambridgeshire, East Anglia, United Kingdom Date of event: 18/03/2015 End date: 20/03/2015 Organising entity: Wellcome Trust City organizing entity: Londres, Inner London, United Kingdom Mariano Sánchez Crespo; Mario Rodríguez Peña; Olimpio Montero; Saioa Márquez; Sara Alonso; Nieves Fernández. 5 Title of the work: The unfolded protein response and phosphorylation of ATF2 in the trans-activation of il23a Name of the conference: 3rd Madrid Meeting on Dendritic cells and Macrophages Type of event: Conference Geographical area: National Type of participation: Participatory - invited/keynote Reasons for participation: Upon invitation talk City of event: Madrid, Community of Madrid, Spain Date of event: 28/04/2014 End date: 29/04/2014 Organising entity: Consejo Superior de Type of entity: State agency Investigaciones Científicas City organizing entity: Madrid, Community of Madrid, Spain Mario Rodríguez Peña. Available on-line at: <https://www.researchgate.net/ publication/267510740\_The\_unfolded\_protein\_response\_and\_phosphorylation\_of\_ATF2\_in\_the\_transactivation\_of\_il23a>. 6 Title of the work: La fosforilación complementaria de ATF2 transactiva il23a Name of the conference: XXXVI Congreso de la SEBBM Type of event: Conference Geographical area: National

Type of participation: 'Participatory - poster

Geographical area: National Reasons for participation: Review before acceptance







City of event: Madrid, Community of Madrid, Spain Date of event: 03/09/2013 End date: 06/09/2013 Organising entity: Sociedad Española de Type of entity: Associations and Groups Bioquímica y Biología Molecular City organizing entity: Madrid, Community of Madrid, Spain Publication in conference proceedings: Yes Mario Rodríguez Peña; Esther Domingo; Sara Alonso; Saioa Márquez; Mariano Sánchez Crespo; Nieves Fernández. Community of Madrid (Spain): 04/09/2013. Available on-line at: <www.sebbm.com/xxxvicongreso/img/QR/5292print\_MARIO\_RODRIGUEZ\_PENA.pdf>.

### **R&D** management and participation in scientific committees

#### National and international forums and committees

 Name of the forum: Second National Forum of Experts in Sexual Health

 City of entity: Salamanca, Castile and León, Spain

 Organising entity: FELGTBI+
 Type of entity: Associations and Groups

 City organizing entity: Madrid, Community of Madrid, Spain

 Start-End date: 12/11/2022 - 13/11/2022

### Evaluation and revision of R&D projects and articles

- Performed tasks: Referee in Journal of Pharmacology and Experimental Therapeutics
   Entity where activity was carried out: American Society for Pharmacology and Experimental Therapeutics (Elsevier)
   City of entity: United States of America
   Type of activity: Review of articles in scientific or technological journals
   Start date: 15/05/2025
- 2 Performed tasks: Referee in Immunologic Research Entity where activity was carried out: Humana Press (Springer) City of entity: United States of America Type of activity: Review of articles in scientific or technological journals Start date: 01/06/2016







## Other achievements

Scientific societies and professional associations

Name of the society: Sociedad Española de Bioquímica y Biología Molecular (SEBBM) City affiliation entity: Madrid, Community of Madrid, Spain Start date: 31/08/2016

### Prizes, mentions and distinctions

- 1 Description: Profesor Ayudante Doctor (Doctor Assistant Professor) Awarding entity: ACSUCYL City awarding entity: Valladolid, Castile and León, Spain Conferral date: 09/06/2025 Recognition linked: https://www.ae.jcyl.es/verDocumentos/ver?loun=1DVLTSQUP7GLT3QI0XLRXT
- 2 Description: Extraordinary Doctorate Award Awarding entity: Universidad de Valladolid Type of entity: University City awarding entity: Valladolid, Castile and León, Spain



