





C V n CURRÍCULUM VÍTAE NORMALIZADO



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, p. 35689 35701" described how activation of AMPK and increase of nuclear NAD+ levels activate SIRT1 deacetylase recruited to IL12A promoter. In this study, I optimised DNA accessibility assay, nuclear NAD measurement and protein isolation for posttranslational marks detection by MS.
- "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, p. 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. In this study, I optimised the extraction of eicosanoids and lysophospholipids for MS analysis. 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) from 1/6/2016.

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-POR-2015-1352: Exploring immune signalling pathways that are deregulated in Multiple Sclerosis at the molecular level" from 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 counterregulate Th17 response via IRF7 phosphorylation and IFNβ 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 studies drove me to my fourth postdoc in Instituto de Recursos Naturales y Agrobiología de Salamanca (belonging to 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" financed 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 in animal and human cells to identify new anti-viral and anti-inflammatory molecules. I **supervised** a PhD student during this postdoc. As a **Collaborator Lecturer**, I delivered 184 hours in four different classes regarding Biochemistry for the degrees of Medicine, Pharmacy and Odontology in CEU San Pablo University during the year 2023/24.





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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 of UVa fellow	01/12/2009
8	Universidad de Salamanca	Collaboration-research fellow of MEPSyD	06/11/2008

1 Employing entity: Universidad San Pablo CEU Type of entity: University

Department: Chemistry and Biochemistry

City employing entity: Madrid, Community of Madrid, Spain

Professional category: Collaborator Lecturer

Email: pramos@ceu.es

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 Type of entity: State agency

Investigaciones Científicas

Department: Parasitology, Instituto de Recursos Naturales y Agrobiología de Salamanca

City employing entity: Salamanca, Castile and León, Spain

Professional category: Postdoctoral Researcher







Email: direccion.irnasa@csic.es

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

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 241200 - Immunology Secondary (UNESCO code): 240700 - Cell biology







Performed tasks: Project: Detection of cytokines and lipid mediators of Th17 immune response in

AATD patients.

Identify key words: Biomedicine; Cell culture; Clinical biology; Cell biology; Molecular biology

6 Employing entity: Universidad de Valladolid **Type of entity:** University

Department: Biochemistry and Molecular Biology, and Physiology, Instituto de Biología y Genética

Molecular

City employing entity: Valladolid, Castile and León, Spain

Professional category: FPI-UVa fellow Leadership and management (Y/N): Yes

Phone: (34) 983184835

davs

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Dedication regime: Full time

Primary (UNESCO code): 241200 - Immunology Secondary (UNESCO code): 240700 - Cell biology

Performed tasks: Project: Regulation of IL23/IL12 (involved in the Th17 and Th1 immune

responses) by metabolites, lipid mediators, and epigenetic control of its transcription. Coordination of

experimental work of a Master student.

Identify key words: Biomedicine; Cell culture; Clinical biology; Cell biology; Molecular biology

Area of leadership and/or management activity: University

Applicability in teaching and/or research: A 3-hour lecture in the subject "Cellular Signalling" for

MSc in Biomedical Research in the years 2012/13 and 2013/14.

7 Employing entity: Universidad de Valladolid Type of entity: University

Department: Biochemistry and Molecular Biology, and Physiology, Instituto de Biología y Genética

Molecular

City employing entity: Valladolid, Castile and León, Spain

Professional category: Initiation to research in LOU institutes of UVa fellow

Phone: (34) 983184835

Dedication regime: Part time

Primary (UNESCO code): 241200 - Immunology

Identify key words: Biomedicine

8 Employing entity: Universidad de Salamanca Type of entity: University

Department: Cellular Biology and Pathology, Instituto de Neurociencias de Castilla y León

City employing entity: Salamanca, Castile and León, Spain Professional category: Collaboration-research fellow of MEPSyD

Phone: (34) 923294500 - 1881

Start-End date: 06/11/2008 - 01/07/2009 **Duration:** 8 months

Dedication regime: Part time

Primary (UNESCO code): 249000 - Neurosciences

Identify key words: Biomedicine







Education

University education

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

1 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

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







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

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 12,3

Entity: Universidad San Pablo CEU

Faculty, institute or centre: Faculty of Pharmacy

Department: Chemistry and Biochemistry

City of entity: Madrid, Community of Madrid, Spain

Subject language: Spanish

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

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 2,4

Entity: Universidad San Pablo CEU

Faculty, institute or centre: Faculty of Pharmacy

Department: Chemistry and Biochemistry

City of entity: Madrid, Community of Madrid, Spain

Subject language: Spanish

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

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,1

Entity: Universidad San Pablo CEU

Faculty, institute or centre: Faculty of Pharmacy

Department: Chemistry and Biochemistry

City of entity: Madrid, Community of Madrid, Spain

End date: 10/05/2024

Type of entity: University

End date: 07/05/2024

Type of entity: University

End date: 26/04/2024

Type of entity: University





End date: 24/04/2024

Type of entity: University

End date: 07/03/2024

Type of entity: University



Subject language: Spanish

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

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 2,4

Entity: Universidad San Pablo CEU

Faculty, institute or centre: Faculty of Pharmacy

Department: Chemistry and Biochemistry

City of entity: Madrid, Community of Madrid, Spain

Subject language: Spanish

Type 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

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 1,2

Entity: Universidad San Pablo CEU

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 Sciences

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

Faculty, institute or centre: Faculty of Science and Engineering

Department: Biology

City of entity: Maynooth, Southern and Eastern, Ireland

Subject language: English

7 Type of teaching: Official teaching

Name of the course: Seminar Series (BI420)

Type of programme: Bachelor's degree Type of teaching: In person theory

Type of subject: Obligatory







University degree: BSc Biological and Biomedical Sciences

Course given: 2019/2020

Start date: 28/02/2020 **End date**: 28/02/2020

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,1

Entity: Maynooth University (MU)

Type of entity: University

Faculty, institute or centre: Faculty of Science and Engineering

Department: Biology

City of entity: Maynooth, Southern and Eastern, Ireland

Subject language: English

8 Type of teaching: Official teaching
Name of the course: Cellular Signalling

Type of programme: Master's degree **Type of teaching:** In person theory

Type of subject: Obligatory

University degree: Master in Biomedical Research

Course given: 2013/2014

Start date: 21/11/2013 **End date:** 21/11/2013

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,3

Entity: Universidad de Valladolid Type of entity: University

Faculty, institute or centre: Faculty of Medicine

Department: Biochemistry and Molecular Biology, and Physiology

City of entity: Valladolid, Castile and León, Spain

Subject language: Spanish

Type of teaching: Official teachingName of the course: Cellular Signalling

Type of programme: Master's degree **Type of teaching:** In person theory

Type of subject: Obligatory

University degree: Master in Biomedical Research

Course given: 2012/2013

Start date: 28/11/2012 **End date:** 28/11/2012

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,3

Entity: Universidad de Valladolid Type of entity: University

Faculty, institute or centre: Faculty of Medicine

Department: Biochemistry and Molecular Biology, and Physiology

City of entity: Valladolid, Castile and León, Spain

Subject language: Spanish

Healthcare experience







Conferences, courses and seminars focused on medical care

Type of event: Workshop

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

Geographical area: National Type of participation: Participatory - invited/keynote

talk

Corresponding author: Yes

Date of presentation: 12/11/2022

Second National Forum of Experts in Sexual Health.

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: COVID-19: anti-infectious and anti-inflammatory action of immunomodulatory parasite

molecules in a safe-to-use synthetic format

Identify key words: Biomedicine; Clinical biology; Molecular biology

Geographical area: National

Entity where project took place: Instituto de Type of entity: State agency

Recursos Naturales y Agrobiología de Salamanca City of entity: Salamanca, Castile and León, Spain Name principal investigator (PI, Co-PI....): Siles Lucas

Funding entity or bodies:

Ministerio de Ciencia e Innovación Type of entity: Public

Code according to the funding entity: SGL2021-03-022

Start-End date: 01/04/2021 - 31/12/2022

Total amount: 117.425 €

Dedication regime: Full time

2 Name of the project: Exploring immune signalling pathways that are deregulated in Multiple Sclerosis at the

molecular level

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Maynooth Type of entity: University

University (MU)

City of entity: Maynooth, Southern and Eastern, Ireland Name principal investigator (PI, Co-PI....): Marion Butler

N° of researchers: 2
Funding entity or bodies:

Health Research Board (HRB)

Type of entity: State agency

City funding entity: Dublin, Southern and Eastern, Ireland







Code according to the funding entity: HRA-POR-2015-1352

Start-End date: 01/12/2016 - 31/03/2021

Total amount: 255.005 € Dedication regime: Full time

3 Name of the project: Respuesta de las células dendríticas a la infección por hongos y a las células

apoptóticas

Geographical area: National

Entity where project took place: Instituto de Type of entity: State agency

Biología y Genética Molecular

City of entity: Valladolid, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Mariano Sánchez Crespo

N° of researchers: 4 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 Type of entity: State agency

Biología y Genética Molecular

City of entity: Valladolid, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Mariano Sánchez Crespo

N° of researchers: 4 Funding entity or bodies:

Junta de Castilla y León Type of entity: Pública

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.

Springer Nature, 20/07/2024.

Type of production: Scientific paper Format: Journal

Corresponding author: Yes

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 Format: Journal

Impact source: ISI Category: Immunology

Impact index in year of publication: 4.078

Position of publication: 44 No. of journals in the cat.: 151

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 paper Format: Journal

Impact source: ISI Category: Science Edition - PHARMACOLOGY &

PHARMACY

Impact index in year of publication: 5.009

Journal in the top 25%: Yes

Position of publication: 23 No. of journals in the cat.: 255

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 Category: 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

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







Position of publication: 61 No. of journals in the cat.: 290

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 miliou. PLOS One 3, 4, pp. 652016, 2013

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

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

Journal in the top 25%: Yes

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 Format: Journal

Impact source: ISI Category: Science Edition - IMMUNOLOGY

Impact index in year of publication: 3.236

Position of publication: 58 No. of journals in the cat.: 148

9 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

1 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 Geographical area: National

Type of participation: Participatory - oral **Reasons for participation:** Review before

communication acceptance

City of event: Málaga, Andalusia, Spain

Date of event: 06/09/2022 **End date:** 09/09/2022

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







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 Type of entity: Associations and Groups

Parasitología (SocEPa)

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: https://socepa.files.wordpress.com/2022/10/parajournal1 2022.pdf>. 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 Márquez; Sara Alonso; Olimpio Montero; Nieves Fernández García; Mariano Sánchez Crespo. Available on-line at: https://www.researchgate.net/

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_trans-

activation_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 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

d 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

Evaluation and revision of R&D projects and articles

Performed tasks: Revisor de 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



