

c v n CURRÍCULUM VITAE 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.

Th17/Th1 in autoimmunity and viral hyperinflammation

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 delivered a **3-hour lecture** in the subject "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 counter-regulate Th17 response via IRF7 phosphorylation and IFN β 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 on regulation of Th17/Th1 immune responses drove me to the last postdoc in Instituto de Recursos Naturales y Agrobiología de Salamanca (within Spanish National Research Council 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 research line is described in “Siles-Lucas et al. Potential Influence of Helminth Molecules on COVID-19 Pathology. Trends Parasitol. 2021. 37: 11-14”. I **supervised** a PhD student and developed 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 for COVID-19 and other Th1-evading viral infections.

Mario Rodríguez Peña

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Previous positions and activities

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

- 1** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
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
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
Field of management activity: Public Research Body
- 2** **Employing entity:** Maynooth University (MU) **Type of entity:** University
Department: Department of Biology
City employing entity: Maynooth, Southern and Eastern, Ireland
Professional category: Postdoctoral Researcher **Educational Management (Yes/No):** Yes



Phone: (353) (01) 708 3856

Start-End date: 01/08/2019 - 31/03/2021

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 241200 - Immunology

Secondary (UNESCO code): 240700 - Cell biology

Performed tasks: Project: Involvement 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.

3 Employing entity: Trinity College Dublin (TCD) **Type of entity:** University

Department: Department of 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

4 Employing entity: Royal College of Surgeons in Ireland (RCSI) **Type of entity:** University

Department: School of Medicine, Irish National Centre for Genetic Lung Disease

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

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

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

Department: Departamento de Bioquímica y Biología Molecular, y Fisiología, Instituto de Biología y Genética Molecular

City employing entity: Valladolid, Castile and León, Spain

Professional category: FPI-UVA fellow

Educational Management (Yes/No): Yes

Phone: (34) 983184835

Start-End date: 30/07/2010 - 18/12/2015

Duration: 4 years - 3 months - 16 days

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

Field of 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.

- 6** **Employing entity:** Universidad de Valladolid **Type of entity:** University
Department: Departamento de Bioquímica y Biología Molecular, y Fisiología, 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
Start-End date: 01/12/2009 - 26/02/2010 **Duration:** 3 months
Dedication regime: Part time
Primary (UNESCO code): 241200 - Immunology
Identify key words: Biomedicine
- 7** **Employing entity:** Universidad de Salamanca **Type of entity:** University
Department: Departamento de Biología Celular y Patología, 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: M^a 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: 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: 15/12/2020 **End date:** 15/12/2020
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: Department of Biology
City of entity: Maynooth, Southern and Eastern, Ireland
Subject language: English
- 2** **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: Department of Biology
City of entity: Maynooth, Southern and Eastern, Ireland
Subject language: English
- 3** **Type of teaching:** Official teaching
Name of the course: Señalización Celular
Type of programme: Master's degree **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Máster en Investigación Biomédica
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: Facultad de Medicina
Department: Departamento de Bioquímica y Biología Molecular, y Fisiología
City of entity: Valladolid, Castile and León, Spain



Subject language: Spanish

4 Type of teaching: Official teaching

Name of the course: Señalización Celular

Type of programme: Master's degree

Type of subject: Obligatory

University degree: Máster en Investigación Biomédica

Course given: 2012/2013

Start date: 28/11/2012

Type of hours/ ECTS credits: Credits

Hours/ECTS credits: 0,3

Entity: Universidad de Valladolid

Faculty, institute or centre: Facultad de Medicina

Department: Bioquímica y Biología Molecular, y Fisiología

City of entity: Valladolid, Castile and León, Spain

Subject language: Spanish

Type of teaching: In person theory

End date: 28/11/2012

Type of entity: University

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+

City organizing entity: Madrid, Community of Madrid, Spain

Geographical area: National

Type of entity: Associations and Groups

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 Recursos Naturales y Agrobiología de Salamanca **Type of entity:** State agency
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 University (MU) **Type of entity:** University
City of entity: Maynooth, Southern and Eastern, Ireland
Name principal investigator (PI, Co-PI...): Marion Butler
Nº 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 Biología y Genética Molecular **Type of entity:** State agency
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:**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

- 4 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 **Type of entity:** State agency**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 **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; 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

- 2** 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



- 3** 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
- 4** 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
- 5** 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
- 6** 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
- 7** 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 **No. of journals in the cat.:** 148
Position of publication: 58
- 8** 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 IFN β en Fases Tempranas de la Infección
Name of the conference: 44º 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
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>.
- Geographical area:** National
Reasons for participation: Review before acceptance
Type of entity: Associations and Groups
- 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
Type of participation: 'Participatory - poster
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)
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
- Geographical area:** National
Reasons for participation: Review before acceptance
Type of entity: Associations and Groups
- 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
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 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>.
- Geographical area:** National
Reasons for participation: Review before acceptance
Type of entity: Foundation



- 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 Investigaciones Científicas **Type of entity:** State agency
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 Bioquímica y Biología Molecular **Type of entity:** Associations and Groups
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