



Sergio Montserrat de la Paz

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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.

Desde que en el año 2010 obtuviese la Licenciatura en Farmacia por la Universidad de Sevilla, comencé mi carrera investigadora en el **Departamento de Farmacología**, bajo la dirección de la Dra. M Dolores García Giménez. Durante 2 años profundicé en técnicas de biología molecular y celular, así como en técnicas cromatográficas y otros métodos analíticos. Mi línea de investigación se centró en la identificación de componentes bioactivos presentes en diversos aceites vegetales. En 2012, obtuve un contrato del **Hospital Universitario Vall d'Hebron**, en el **Servicio de Cardiología**, donde realicé estudios en diversos modelos experimentales de enfermedad cardiovascular en ratón. En diciembre de 2012, me incorporé con una beca FPI (BES-2012-056104) al Laboratorio de Nutrición Celular y Molecular del **Instituto de la Grasa** (CSIC), bajo la dirección del Dr. Francisco J García Muriana, un grupo de referencia mundial en la comprensión de los mecanismos celulares y moleculares que determinan la superioridad del aceite de oliva, respecto a cualquier otra grasa conocida, en la prevención y el tratamiento de enfermedades cardiovasculares. Mi formación se completó con 2 estancias (8 meses) en el **Cardiovascular Research Institute of Maastricht** (CARIM, The Netherlands), bajo la supervisión del prestigioso Prof. Erik AL Biessen. En julio de 2016, defendí mi Tesis Doctoral sobre el aceite de oliva y metabolismo energético, en el que participaron personas con síndrome metabólico y se utilizó un innovador modelo animal que incluye trasplantes de médula ósea para la expresión hematopoyética de NAMPT, enzima clave y limitante en la síntesis de NAD. En diciembre de 2016, me incorporé como investigador postdoctoral al grupo de la Dra. Yolanda Sanz, en el **Instituto de Agroquímica y Tecnología de los Alimentos** (CSIC, Valencia), donde me centré en estudiar las alteraciones inmunes en modelos de obesidad inducida por la grasa de la dieta. En marzo de 2017, fui seleccionado para un contrato de 4 años de Investigador del V Plan Propio de la Universidad de Sevilla en el **Departamento de Bioquímica Médica y Biología Molecular e Inmunología** de la **Facultad de Medicina**, donde mi investigación se centra en estudiar la relación entre los ácidos grasos de la dieta y enfermedades cardiometabólicas y neurodegenerativas. En junio de 2017, la Sociedad Española de Farmacología ha reconocido mi trayectoria profesional concediéndome el **Premio al Mejor Investigador Joven en Farmacología** y he obtenido la primera posición en los Contratos Juan de la Cierva (JdC-F 2016) por el área de Ciencia y Tecnología de los Alimentos.



General quality indicators of scientific research

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

ORCID ID: orcid.org/0000-0001-5400-3192

Scopus Author ID: 55360888100

TFM Dirigidos: 5 (2 en ejecución)

Tesis Doctorales dirigidas: 2 (2 en ejecución)

Patentes: 2

Publicaciones Totales: 35

Publicaciones Q1: 25

Publicaciones D1: 13

Publicaciones como Primer/Último Autor: 24

Publicaciones como Autor de Correspondencia: 14

Citas Totales: 187

Promedio citas/año: 31

Indice h: 7

Sergio Montserrat de la Paz

Surname(s): **Montserrat de la Paz**
Name: **Sergio**

Current professional situation

Employing entity: Universidad de Sevilla **Type of entity:** University
Department: Bioquímica Médica y Biología Molecular e Inmunología, Facultad de Medicina
Professional category: Investigador Contratado Postdoctoral
Start date: 03/07/2017
Type of contract: Temporary employment contract **Dedication regime:** Full time
Primary (UNESCO code): 320600 - Nutrition sciences

Previous positions and activities

	Employing entity	Professional category	Start date
1	Consejo Superior de Investigaciones Científicas	Investigador Contratado Postdoctoral	01/12/2016
2	Consejo Superior de Investigaciones Científicas	Investigador Contratado Postdoctoral	05/07/2016
3	Consejo Superior de Investigaciones Científicas	Investigador Contratado Predoctoral	01/12/2014
4	Consejo Superior de Investigaciones Científicas	Becario Predoctoral FPI	01/12/2012
5	Hospital Universitario Vall d'Hebron	Titulado Superior	12/03/2012
6	Universidad de Sevilla	Titulado Superior	01/11/2011

- 1** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Professional category: Investigador Contratado Postdoctoral
Start-End date: 01/12/2016 - 31/03/2017 **Duration:** 4 months
- 2** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Professional category: Investigador Contratado Postdoctoral
Start-End date: 05/07/2016 - 30/11/2016 **Duration:** 4 months - 27 days
- 3** **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Professional category: Investigador Contratado Predoctoral
Start-End date: 01/12/2014 - 04/07/2016 **Duration:** 1 year - 7 months - 4 days



- 4** **Employing entity:** Consejo Superior de Investigaciones Científicas
Professional category: Becario Predoctoral FPI
Start-End date: 01/12/2012 - 30/11/2014
Type of entity: State agency
Duration: 2 years
- 5** **Employing entity:** Hospital Universitario Vall d`Hebron
Professional category: Titulado Superior
Start-End date: 12/03/2012 - 10/08/2012
Type of entity: Healthcare Institutions
Duration: 5 months
- 6** **Employing entity:** Universidad de Sevilla
Department: Farmacología, Facultad de Farmacia
Professional category: Titulado Superior
Start-End date: 01/11/2011 - 31/12/2011
Type of contract: Temporary employment contract
Field of management activity: University
Type of entity: University
Educational Management (Yes/No): Yes
Duration: 2 months



Education

University education

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

- 1** **University degree:** Higher degree
Name of qualification: Grado en Óptica y Optometría
City degree awarding entity: Sevilla, Andalusia, Spain
Degree awarding entity: Universidad de Sevilla **Type of entity:** University
Date of qualification: 22/07/2015
Average mark: Good
- 2** **University degree:** Higher degree
Name of qualification: Licenciado en Farmacia
City degree awarding entity: Sevilla, Andalusia, Spain
Degree awarding entity: Universidad de Sevilla **Type of entity:** University
Date of qualification: 26/08/2010
Average mark: Good

Doctorates

Doctorate programme: Farmacia
Degree awarding entity: Universidad de Sevilla **Type of entity:** University
City degree awarding entity: Sevilla, Andalusia, Spain
Date of degree: 04/07/2016
DEA awarding entity: Universidad de Sevilla
Date DEA was awarded: 27/12/2011
European doctorate: Yes **Date of certificate:** 04/07/2016
Thesis title: Effect of olive oil and niacin on postprandial inflammation. Implications for atherosclerosis and metabolic syndrome
Thesis co-director: Francisco J García Mariana; Beatriz Bermudez Pulgarín
Obtained qualification: Sobresaliente Cum Laude por Unanimidad
Recognition of quality: Yes

Other postgraduate university studies

- 1** **Postgraduate qualification:** Experto Universitario en Farmacología Ocular
Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid
Faculty, institute or centre: Escuela Universitaria de Óptica
Date of qualification: 30/04/2015



- 2 Postgraduate qualification:** Formación Avanzada sobre Protección y Experimentación Animal (Categoría A, B y C)
Degree awarding entity: Universidad de Córdoba **Type of entity:** University
Faculty, institute or centre: Facultad de Veterinaria
Date of qualification: 24/05/2013
- 3 Type of education:** Masters
Postgraduate qualification: Máster Universitario en Atención farmacéutica y Farmacia asistencial.
Degree awarding entity: Universidad de Sevilla **Type of entity:** University
Faculty, institute or centre: Facultad de Farmacia
Date of qualification: 27/12/2011
Obtained qualification: 9.47
- 4 Postgraduate qualification:** Extensión Universitaria en Iniciación a la Cata y al Conocimiento del Vino
Degree awarding entity: Universidad Internacional de Andalucía **Type of entity:** University
Date of qualification: 07/03/2009

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

- 1 Training title:** Farmacología Clínica del Metilfenidato
Awarding entity: Laboratorios Rubió, S.A. **Type of entity:** Business
End date: 01/03/2012 **Duration in hours:** 12 hours
- 2 Training title:** Gastroenterología para Farmacéuticos
Awarding entity: Recordati España, S.L. **Type of entity:** Business
End date: 01/03/2012 **Duration in hours:** 15 hours
- 3 Training title:** Atención Farmacéutica. Dermatología
Awarding entity: Mayo Formación Continuada
End date: 29/02/2012 **Duration in hours:** 32 hours
- 4 Training title:** Nutrición Infantil para Farmacéuticos
Awarding entity: Nestlé España, S.A. **Type of entity:** Business
End date: 28/03/2011 **Duration in hours:** 32 hours
- 5 Training title:** Actualización en Farmacología y Farmacoterapia
Awarding entity: FarmaFIR **Duration in hours:** 100 hours
End date: 23/02/2011



Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

- 1 Title of course/seminar:** PROPUESTA DE FORMACIÓN EN APRENDIZAJE-SERVICIO PARA PROFESORADO UNIVERSITARIO
Goals of the course/seminar: Innovative teacher training
Organising entity: Universidad de Sevilla **Type of entity:** University
Faculty, institute or centre: Instituto de Ciencias de la Educación
Duration in hours: 10 hours
Start-End date: 18/12/2017 - 19/12/2017
- 2 Title of course/seminar:** IV JORNADAS DE FORMACIÓN E INNOVACIÓN DOCENTE DEL PROGRAMA DE FORMACIÓN E INNOVACIÓN DOCENTE DEL PROFESORADO 2017
Goals of the course/seminar: Innovative teacher training
Organising entity: Universidad de Sevilla **Type of entity:** University
Faculty, institute or centre: Instituto de Ciencias de la Educación
Duration in hours: 10 hours
Start-End date: 04/12/2017 - 05/12/2017
- 3 Title of course/seminar:** INTRODUCCIÓN AL USO DE LA PLATAFORMA DE ENSEÑANZA VIRTUAL
Goals of the course/seminar: Innovative teacher training
Organising entity: Universidad de Sevilla **Type of entity:** University
Faculty, institute or centre: Instituto de Ciencias de la Educación
Duration in hours: 9 hours
Start-End date: 14/11/2017 - 16/11/2017
- 4 Title of course/seminar:** LOS TRABAJOS FIN DE GRADO Y FIN DE MÁSTER: DESAFÍOS Y OPORTUNIDADES PARA EL AUTOAPRENDIZAJE Y LA CONSTRUCCIÓN DE CONOCIMIENTO PROFESIONAL
Goals of the course/seminar: Innovative teacher training
Organising entity: Universidad de Sevilla **Type of entity:** University
Faculty, institute or centre: Instituto de Ciencias de la Educación
Duration in hours: 10 hours
Start-End date: 03/10/2017 - 19/10/2017
- 5 Title of course/seminar:** EL PROFESOR COACH EN EL CONTEXTO DOCENTE UNIVERSITARIO (COACHING PARA DOCENTES)
Goals of the course/seminar: Innovative teacher training
Organising entity: Universidad de Sevilla **Type of entity:** University
Faculty, institute or centre: Instituto de Ciencias de la Educación
Duration in hours: 15 hours
Start-End date: 02/10/2017 - 16/10/2017
- 6 Title of course/seminar:** DOCENCIA BASADA EN EVIDENCIAS
Goals of the course/seminar: Innovative teacher training
Organising entity: Universidad de Sevilla **Type of entity:** University
Faculty, institute or centre: Instituto de Ciencias de la Educación
Duration in hours: 6 hours
Start-End date: 19/09/2017 - 26/09/2017

**7 Title of course/seminar:** INTRODUCCIÓN AL USO DE LAS PIZARRAS DIGITALES PARA EL PROFESORADO**Goals of the course/seminar:** Innovative teacher training**Organising entity:** Universidad de Sevilla**Type of entity:** University**Faculty, institute or centre:** Instituto de Ciencias de la Educación**Duration in hours:** 10 hours**Start-End date:** 18/09/2017 - 25/09/2017**8 Title of course/seminar:** I Jornadas Internacionales en Innovación Docente en Ciencias de la Salud**Goals of the course/seminar:** Innovación Docente**Organising entity:** Universidad de Sevilla**Type of entity:** University**Duration in hours:** 5 hours**Start-End date:** 21/12/2016 - 21/12/2016**Language skills**

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	C1	C1	C1	C1	C1
English	C1	C1	C1	C1	C1

Teaching experience**General teaching experience****1 Type of teaching:** Official teaching**Name of the course:** El laboratorio de Bioquímica Clínica**Type of programme:** Master's degree**Type of teaching:** In person theory**Type of subject:** Optional**University degree:** Master Universitario en Investigación Médica**Start date:** 01/09/2017**End date:** 31/01/2018**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 2**Entity:** Universidad de Sevilla**Type of entity:** University**Faculty, institute or centre:** Facultad de Medicina**2 Type of teaching:** Official teaching**Name of the course:** Bioquímica y Biología Molecular Básica**Type of programme:** Bachelor's degree**Type of teaching:** In person theory**Type of subject:** Obligatory**University degree:** Grado en Medicina**Start date:** 01/09/2017**End date:** 30/11/2016**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 65**Entity:** Universidad de Sevilla**Type of entity:** University**Faculty, institute or centre:** Facultad de Medicina



- 3** **Type of teaching:** Official teaching
Name of the course: Iniciación a la Investigación
Type of programme: Master's degree **Type of teaching:** Laboratory work
Type of subject: Obligatory
University degree: Master Universitario en Biotecnología Ambiental, Industrial y Alimentaria
Start date: 01/09/2015 **End date:** 30/11/2016
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 12
Entity: Universidad Pablo de Olavide **Type of entity:** University
Faculty, institute or centre: Facultad de Postgrado
- 4** **Type of teaching:** Official teaching
Name of the course: Iniciación a la Investigación
Type of programme: Master's degree **Type of teaching:** Laboratory work
Type of subject: Obligatory
University degree: Master Universitario en Ciencia y Tecnología de Aceites y Bebidas Fermentadas
Start date: 01/09/2015 **End date:** 30/11/2016
Type of hours/ ECTS credits: Credits
Hours/ECTS credits: 24
Entity: Universidad Pablo de Olavide **Type of entity:** University
Faculty, institute or centre: Facultad de Postgrado

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Unsaponifiable fraction isolated from grape (*Vitis vinifera* L.) seed oil attenuates oxidative and inflammatory responses in human primary monocytes
Type of project: TFM
Co-director of thesis: Sergio Montserrat de la Paz; Soledad Fernandez Pachón
Entity: Universidad Pablo de Olavide **Type of entity:** University
City of entity: Sevilla, Andalusia, Spain
Student: Ernesto Muñoz Castro
Obtained qualification: 8.5
Date of reading: 19/04/2017
- 2** **Project title:** The minor compounds from extra virgin olive oil attenuate LPS-induced inflammation on primary human monocytes
Type of project: TFM
Co-director of thesis: Sergio Montserrat de la Paz; Aroa Lopez
Entity: Universidad Pablo de Olavide **Type of entity:** University
City of entity: Sevilla, Andalusia, Spain
Student: Manuel Perez Jiménez
Obtained qualification: 9
Date of reading: 06/04/2017
- 3** **Project title:** Effects of postprandial dietary fatty acids on osteoclastogenesis. Implications for vascular calcification
Type of project: TFM
Co-director of thesis: Sergio Montserrat de la Paz; Soledad Fernandez Pachón
Entity: Universidad Pablo de Olavide **Type of entity:** University
City of entity: Sevilla, Andalusia, Spain



Student: Indara García Gutierrez

Obtained qualification: 10 MH

Date of reading: 05/04/2016

Quality recognition: Yes

Date of award: 05/04/2016

4 Project title: Componentes bioactivos del aceite de oliva en la activación de la microglia

Type of project: Doctoral thesis

Co-director of thesis: Sergio Montserrat de la Paz

Entity: Universidad de Sevilla

Type of entity: University

City of entity: Sevilla, Andalusia, Spain

Student: Rocio Toscano Sanchez

5 Project title: Componentes bioactivos del semilla de cáñamo (Cannabis sativa L.) en la neuroinflamación

Type of project: Doctoral thesis

Co-director of thesis: Sergio Montserrat-de la Paz; Angeles Fernandez-Arche; Dolores Garcia-Gimenez

Entity: Universidad de Sevilla

Type of entity: University

City of entity: Sevilla, Andalusia, Spain

Student: Julio Rea

6 Project title: Funcionalidad de las HDL en pacientes con enfermedad cardiometabólicas

Type of project: TFM

Co-director of thesis: Sergio Montserrat de la Paz; Victor Sánchez Margalet

Entity: Universidad de Sevilla

Type of entity: University

City of entity: Sevilla, Andalusia, Spain

Student: Antonio Perez Colorado

7 Project title: NEUROPROTECTIVE PROPERTIES OF BIOACTIVE PLANT PEPTIDES

Type of project: TFM

Co-director of thesis: Sergio Montserrat de la Paz; Victor Sánchez Margalet

Entity: Universidad de Sevilla

Type of entity: University

City of entity: Sevilla, Andalusia, Spain

Student: Ana Lemus Conejo

Student tutorials

1 Name of the programme: Doctorate

Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Number of tutored students: 3

2 Name of the programme: Teacher training

Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Number of tutored students: 1

3 Name of the programme: Prácticas en Empresa Formacion Profesional

Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Number of tutored students: 1

4 Name of the programme: Prácticas en Empresa Grado

Entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Number of tutored students: 2



Educational or pedagogical publications, books, articles, etc.

- 1** Sergio Montserrat-de la Paz; Angeles Fernandez-Arche. Development of a minigraphic atlas of mechanism of action of drugs made by students, Basic & Clinical Pharmacology & Toxicology. 115, Wiley. 31/12/2014.
Name of the materials: Teaching in Pharmacology
Date of drafting: 31/12/2014
Format: Article(s)
Corresponding author: Yes
Position of signature: 1
- 2** Maria Martin-Rubio; Paula Daza; Sergio Montserrat-de la Paz; Beatriz Bermudez. Students of the Primary Education Degree, as the new player in health and nutrition promotion, Basic & Clinical Pharmacology & Toxicology. 121, Wiley. 31/12/2017.
Name of the materials: Teaching in Pharmacology
Date of drafting: 31/12/2014
Format: Article(s)
Corresponding author: No
Position of signature: 3
- 3** Angeles Fernandez-Arche; Sergio Montserrat-de la Paz; Rocio de la Puerta. Development of a guide of practical cases on pharmacotherapy made by students, Basic & Clinical Pharmacology & Toxicology. 109, Wiley. 31/12/2011.
Name of the materials: Teaching in Pharmacology
Date of drafting: 31/12/2011
Format: Article(s)
Corresponding author: No
Position of signature: 2

Participation in innovative teaching projects

Project title: Elaboración de una guía farmacológica de casos prácticos resueltos diseñada por los alumnos

Type of participation: Team member

Time of working relationship: For a limited time

Funding entity: Universidad de Sevilla

Type of entity: University

Start-End date: 27/06/2011 - 27/10/2011

Duration: 4 months

Participation in conferences with talks focused on teacher training

- 1** **Name of the event:** 37 Congreso de la Sociedad Española de Farmacología
Type of event: Conference
City of event: Barcelona, Catalonia, Spain
Date of presentation: 20/06/2017
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Students of the Primary Education Degree, as the new player in health and nutrition promotion.



- 2** **Name of the event:** 35 Congreso de la Sociedad Española de Farmacología
Type of event: Conference
City of event: Madrid, Community of Madrid, Spain
Date of presentation: 26/09/2014
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
DEVELOPMENT OF A MINI-GRAPHIC ATLAS OF MECHANISMS OF ACTION OF DRUGS MADE BY STUDENTS.
- 3** **Name of the event:** 33 Congreso de la Sociedad Española de Farmacología
Type of event: Conference
City of event: Malaga, Andalusia, Spain
Date of presentation: 05/10/2011
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
DEVELOPMENT OF A GUIDE OF PRACTICAL CASES ON PHARMACOTHERAPY MADE BY STUDENTS.

Other activities/achievements not included above

- 1** **Description of the activity:** Acreditado a Profesor Ayudante Doctor
Organising entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA
End date: 25/01/2017
- 2** **Description of the activity:** Acreditado a Profesor Contratado Doctor
Organising entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA
End date: 25/01/2017
- 3** **Description of the activity:** Acreditado a Profesor Universidad Privada
Organising entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA
End date: 25/01/2017
- 4** **Description of the activity:** Experto ANECA (Programa Acredita)
Organising entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** Calidad Docente
End date: 31/12/2016
- 5** **Description of the activity:** Ayudante de Master Oficial
Organising entity: Universidad de Sevilla **Type of entity:** University
End date: 31/12/2011
- 6** **Description of the activity:** Claustal electo de la Universidad de Sevilla
Organising entity: Universidad de Sevilla **Type of entity:** University
- 7** **Description of the activity:** Miembro de la Comisión de Investigación (Órgano Colegiado) de la Universidad de Sevilla
Organising entity: Universidad de Sevilla **Type of entity:** University



Scientific and technological experience

Research and development groups/teams

- 1** **Name of the group:** Bioquímica Médica
Standardised code: CTS-151
Affiliation entity: Universidad de Sevilla
Start date: 07/11/2017

Type of collaboration: Co-authorship of publications
Type of entity: University
Duration: 5 months
- 2** **Name of the group:** Ecología Microbiana, Nutrición y Salud
Type of collaboration: Co-authorship of projects and their development
Affiliation entity: Instituto de Agroquímica y Tecnología de Alimentos
Start date: 01/12/2016

Type of entity: State agency
Duration: 1 month - 24 days
- 3** **Name of the group:** Nutrición Celular y Molecular
Standardised code: BIO-300
Affiliation entity: Instituto de la Grasa de Sevilla
Start date: 01/12/2012

Type of collaboration: Co-authorship of projects and their development
Type of entity: State agency
Duration: 4 years
- 4** **Name of the group:** Plantas Medicinales
Standardised code: CTS-388
Affiliation entity: Universidad de Sevilla
Start date: 01/09/2010

Type of collaboration: Co-authorship of publications
Type of entity: University
Duration: 6 years - 3 months

Scientific or technological activities

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

- 1** **Name of the project:** Neuroprotección Avanzada: Compuestos bioactivos naturales y búsqueda de nuevas estrategias neuroprotectoras para el tratamiento del ictus

Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National

Degree of contribution: Researcher

Entity where project took place: INSTITUTO DE BIOMEDICINA DE SEVILLA **Type of entity:** State agency

City of entity: Sevilla, Andalusia, Spain

Name principal investigator (PI, Co-PI....): Irene Ayuso Fernández

Nº of researchers: 6 **Nª people/year:** 1,25

Type of participation: Team member

Name of the programme: Consejería de Salud de la Junta de Andalucía

Code according to the funding entity: PI-0114-2016

Start-End date: 01/01/2017 - 31/12/2019 **Duration:** 3 years

Participating entity/entities: INSTITUTO DE BIOMEDICINA DE SEVILLA; Universidad de Sevilla

Total amount: 55.000 € **Sub-project amount:** 55.000 €



Dedication regime: Part time

2 Name of the project: Development of a probiotic for reducing the risk of obesity and its co-morbidities.

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Instituto de Agroquímica y Tecnología de Alimentos

Type of entity: State agency

City of entity: Valencia, Valencian Community, Spain

Name principal investigator (PI, Co-PI...): Yolanda Sanz

Nº of researchers: 2

Type of participation: Team member

Name of the programme: Ministerio de Economía y Competitividad

Code according to the funding entity: RTC-2016-5396-1

Start-End date: 13/12/2016 - 31/12/2019

Duration: 3 years - 18 days

Participating entity/entities: Instituto de Agroquímica y Tecnología de Alimentos ; SUAN FARMA, S.A.

Total amount: 390.122 €

Dedication regime: Full time

3 Name of the project: Olive oil and NAMPT and its relation with postprandial inflammation and atherosclerosis in the setting of metabolic syndrome

Type of project: Basic research (including archaeological digs, etc)

Geographical area: National

Degree of contribution: Current university student

Entity where project took place: Instituto de la Grasa de Sevilla

Type of entity: State agency

City of entity: Sevilla, Andalusia, Spain

Name principal investigator (PI, Co-PI...): Francisco J. García Mariana

Nº of researchers: 5

Nª people/year: 1,66

Type of participation: Team member

Name of the programme: Ministerio de Economía y Competitividad

Code according to the funding entity: AGL2011-29008

Start-End date: 01/01/2012 - 30/06/2015

Duration: 3 years - 6 months

Participating entity/entities: Consejo Superior de Investigaciones Científicas

Total amount: 157.300 €

Sub-project amount: 157.300 €

Dedication regime: Full time

4 Name of the project: Estudio de la actividad biológica de las formas metabolizadas de polifenoles del aceite de oliva en un modelo de inflamación aguda

Type of project: Basic research (including archaeological digs, etc)

Geographical area: Regional

Degree of contribution: Current university student

Entity where project took place: Instituto de la Grasa de Sevilla

Type of entity: State agency

City of entity: Sevilla, Andalusia, Spain

Name principal investigator (PI, Co-PI...): Francisco J. García Mariana

Nº of researchers: 7

Nª people/year: 2,33

Type of participation: Team member

Name of the programme: Junta de Andalucía

Code according to the funding entity: P09-CVI-5007

Start-End date: 03/03/2011 - 02/03/2014

Duration: 3 years

Participating entity/entities: Consejo Superior de Investigaciones Científicas



Total amount: 139.428 €
Dedication regime: Part time

Sub-project amount: 139.428 €

- 5** **Name of the project:** Relevance of dietary fatty acids and vitamin B3 for managing visfatin-mediated postprandial dyslipidemia and inflammation in obesity
Type of project: Basic research (including archaeological digs, etc)
Degree of contribution: Current university student
Entity where project took place: Instituto de la Grasa de Sevilla
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Beatriz Bermudez Pulgarín
Nº of researchers: 5
Type of participation: Team member
Name of the programme: European Commission
Code according to the funding entity: RG-268413
Start-End date: 01/10/2010 - 31/12/2013
Participating entity/entities: Consejo Superior de Investigaciones Científicas
Total amount: 45.000 €
Dedication regime: Part time
- Geographical area:** European Union
Type of entity: State agency
Nº people/year: 1,66
Duration: 3 years - 3 months
Sub-project amount: 45.000 €

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

- 1** **Name of the project:** Extractos vegetales con efectos saludables para la alimentación animal
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Entity where project took place: Facultad de Farmacia. Universidad de Sevilla
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Rocío de la Puerta-Vázquez
Nº of researchers: 6
Participating entity/entities: Consejo Superior de Investigaciones Científicas; Facultad de Farmacia. Universidad de Sevilla; VERACETICS, S.L.
Funding entity or bodies: BEDSON ESPAÑA
Name of the programme: BEDSON
Code according to the funding entity: 2881/0833
Start date: 05/10/2016
Total amount: 2.000 €
- Entity where project took place:** Facultad de Farmacia. Universidad de Sevilla
Type of entity: University
Type of entity: Business
Duration: 6 months
- 2** **Name of the project:** Efecto del polvo de gel de aloe enriquecido en hidroxitirosol en la prevención de la obesidad y factores de riesgo asociados
Type of project: Research and development, including transfer
Degree of contribution: Researcher
Entity where project took place: Facultad de Farmacia. Universidad de Sevilla
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Ángeles Fernández Arche
- Entity where project took place:** Facultad de Farmacia. Universidad de Sevilla
Type of entity: University



Nº of researchers: 7

Participating entity/entities: Consejo Superior de Investigaciones Científicas; Facultad de Farmacia. Universidad de Sevilla; VERACETICS, S.L.

Funding entity or bodies:

VERACETICS, S.L.

City funding entity: Spain

Name of the programme: Veracetics

Code according to the funding entity: 2416/0061

Start date: 03/12/2014

Duration: 5 months

Total amount: 15.000 €

Results

Industrial and intellectual property

- 1 Title registered industrial property:** Uso del aceite de cáñamo para la prevención y/o el tratamiento de la fibromialgia
Inventors/authors/obtainers: María Dolores García Giménez; Ángeles Fernández Arche; Rocío de la Puerta Vázquez; Sergio Montserrat de la Paz; Fabiola Marín Aguilar; Ana María Quílez Guerrero; Beatriz Bermudez Pulgarín
Entity holder of rights: Universidad de Sevilla
Nº of application: P201500071
Country of inscription: Spain, Andalusia
Date of register: 13/01/2015
Operating aut.region/region: Spain
- 2 Title registered industrial property:** Metabolitos de Tirosol e Hidroxitirosol
Inventors/authors/obtainers: Sergio López Martín; Ricardo Lucas; Almudena Ortega Gómez; Lourdez Varela; Sergio Montserrat de la Paz; Beatriz Bermudez Pulgarín; Rocío Abia González; Juan Carlos Morales; Francisco J. García Muriana
Entity holder of rights: Consejo Superior de Investigaciones Científicas
Nº of application: P201431890
Country of inscription: Spain, Andalusia
Date of register: 19/12/2014
Operating aut.region/region: Spain



Scientific and technological activities

Scientific production

H index: 7

Date of application: 06/03/2018

Publications, scientific and technical documents

- 1** Sergio Montserrat-de la Paz; Dolores Garcia-Gimenez; Ana Maria Quilez; Rocio de la Puerta; Angeles Fernandez-Arche. Ginger rhizome enhances the anti-inflammatory and anti-nociceptive effects of paracetamol in an experimental mouse model of fibromyalgia. *Inflammopharmacology*. Elsevier, 2018.

Type of production: Scientific paper
Position of signature: 1

Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 2.590
Position of publication: 39

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Immunology
Journal in the top 25%: No
No. of journals in the cat.: 92
- 2** M Carmen Millan-Linares; Beatriz Bermudez; Maria Martin-Rubio; Ernesto Muñoz; Rocío Abia; Francisco Millan; Francisco JG Muriana; Sergio Montserrat-de la Paz. Unsaponifiable fraction isolated from grape (*Vitis vinifera* L.) seed oil attenuates oxidative and inflammatory responses in human primary monocytes. *Food & Function*. RSC, 2018.

Type of production: Scientific paper
Position of signature: 8

Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 3.247
Position of publication: 15

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 3** Ana Agusti; Angela Moya-Perez; Isabel Campillo; Sergio Montserrat-de la Paz; Victor Cerrudo; Angela Perez-Villalba; Yolanda Sanz. *Bifidobacterium pseudocatenulatum* CECT 7765 ameliorates neuroendocrine alterations associated with an exaggerated stress response and anhedonia in obese mice. *Molecular Neurobiology*. Elsevier, 2017.

Type of production: Scientific paper
Position of signature: 4
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 6.190
Position of publication: 25

Format: Journal
Corresponding author: No
Category: Science Edition - NEUROSCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 258

- 4** Sergio Montserrat-de la Paz; María del Carmen Naranjo; Beatriz Bermudez; Sergio Lopez; Rocío Abia; Francisco JG Muriana. Dietary fatty acids and lipoproteins on progression of age-related macular degeneration. *Grasas y Aceites*. 68, pp. e187. Revistas CSIC, 2017.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 0.910
Position of publication: 85
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 128
- 5** María del Carmen Naranjo; Beatriz Bermudez; Indara Garcia; Sergio Lopez; Rocío Abia; Francisco JG Muriana; Sergio Montserrat-de la Paz. Dietary fatty acids on aortic root calcification in mice with metabolic syndrome. *Food & Function*. 8, pp. 1468 - 1474. RSC, 2017.
Type of production: Scientific paper
Position of signature: 7
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.247
Position of publication: 15
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 6** Sergio Lopez; Sergio Montserrat-de la Paz; Ricardo Lucas; Beatriz Bermudez; Rocío Abia; Juan Carlos Morales; Francisco JG Muriana. Effect of metabolites of hydroxytyrosol on protection against oxidative stress and inflammation in human endothelial cells. *Journal of Functional Foods*. 29, pp. 238 - 247. Elsevier, 2017.
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.144
Position of publication: 18
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 7** Sergio Montserrat-de la Paz; Sergio Lopez; Beatriz Bermudez; Juan M Guerrero; Rocío Abia; Francisco JG Muriana. Effects of immediate-release niacin and dietary fatty acids on acute insulin and lipid status in individuals with metabolic syndrome. *Journal of Science of Food and Agriculture*. Wiley, 2017.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 2.463
Position of publication: 4
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY
Journal in the top 25%: Yes
No. of journals in the cat.: 56



- 8** Sergio Montserrat-de la Paz; Beatriz Bermudez; Sergio Lopez; María del Carmen Naranjo; Yolanda Romero; María José Bando Hidalgo; Rocío Abia; Francisco JG Muriana. Exogenous fatty acids and niacin on acute prostaglandin D2 production in human myeloid cells. *Journal of Nutritional Biochemistry*. 39, pp. 22 - 31. Elsevier, 2017.
DOI: 10.1016/j.jnutbio.2016.09.007
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 4.518
Position of publication: 11
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - NUTRITION & DIETETICS
Journal in the top 25%: Yes
No. of journals in the cat.: 80
- 9** Beatriz Bermudez; TB Dahl; I Medina; M Groeneweg; S Holm; Sergio Montserrat-de la Paz; M Rousch; JJT Otten; V Herias; LM Varela; Trine Ranheim; Arne Yndestad; A Ortega-Gomez; Rocío Abia; L Nagy; P Aukrust; Francisco JG Muriana; B Halvorsen; EAL Biessen. Leukocyte iNAMPT overexpression attenuates atherosclerosis by regulating PPARgamma-dependent monocyte differentiation and function. *Arteriosclerosis, Thrombosis & Vascular Biology*. 37, pp. 1157 - 1167. AHA Journals, 2017.
Type of production: Scientific paper
Position of signature: 6
Total no. authors: 19
Impact source: ISI
Impact index in year of publication: 6.607
Position of publication: 6
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - PERIPHERAL VASCULAR DISEASE
Journal in the top 25%: Yes
No. of journals in the cat.: 70
- 10** Sergio Montserrat-de la Paz; María del Carmen Naranjo; Sergio Lopez; Rocío Abia; Francisco JG Muriana; Beatriz Bermudez. Niacin and its metabolites as master regulators of macrophage activation. *Journal of Nutritional Biochemistry*. 39, pp. 22 - 31. Elsevier, 2017.
DOI: 10.1016/j.jnutbio.2016.09.008
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 4.518
Position of publication: 11
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - NUTRITION & DIETETICS
Journal in the top 25%: Yes
No. of journals in the cat.: 80
- 11** Almudena Ortega-Gomez; Lourdes M Varela; Sergio Lopez; Sergio Montserrat-de la Paz; Rosario Sanchez; Francisco JG Muriana; Beatriz Bermudez; Rocío Abia. Postprandial triglyceride-rich lipoproteins promote lipid accumulation and apolipoprotein B-48 receptor transcriptional activity in human circulating and murine bone marrow neutrophils in a fatty acid-dependent manner. *Molecular Nutrition & Food Research*. Wiley, 2017.
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 4.323
Position of publication: 7
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128



Relevant results: (In press)

- 12** Sergio Montserrat-de la Paz; Dolores Rodriguez; Magdalena P Cardelo; María del Carmen Naranjo; Beatriz Bermudez; Rocío Abia; Francisco JG Muriana; Sergio Lopez. The effects of exogenous fatty acids and niacin on human monocyte-macrophage plasticity. *Molecular Nutrition & Food Research*. Wiley, 2017.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 4.323
Position of publication: 7
Relevant results: (In press)
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 13** Francisco JG Muriana; Sergio Montserrat-de la Paz; Ricardo Lucas; Beatriz Bermudez; Sara Jaramillo; Juan C. Morales; Rocío Abia; Sergio Lopez. Tyrosol and its metabolites as antioxidative and anti-inflammatory molecules in human endothelial cells. *Food & Function*. RSC, 2017.
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 3.247
Position of publication: 15
Relevant results: (Accepted)
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 14** María del Carmen Naranjo; Indara García; Beatriz Bermudez; Sergio Lopez; Magdalena P Cardelo; Rocío Abia; Francisco JG Muriana; Sergio Montserrat-de la Paz. Acute effects of dietary fatty acids on osteoclastogenesis via RANKL/RANK/OPG system. *Molecular Nutrition & Food Research*. Wiley, 2016.
Type of production: Scientific paper
Position of signature: 8
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 4.323
Position of publication: 7
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 15** Sergio Montserrat-de la Paz; Rocío de la Puerta; Ángeles Fernandez-Arche; Ana Quilez; Francisco JG Muriana; María Dolores García-Giménez; Beatriz Bermudez. Mitraphylline inhibits lipopolysaccharide-mediated activation of primary human neutrophils. *Phytomedicine*. 23, pp. 141 - 148. Elsevier, 2016.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.526
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - INTEGRATIVE & COMPLEMENTARY MEDICINE
Journal in the top 25%: Yes

**Position of publication:** 2**No. of journals in the cat.:** 25

- 16** Sergio Montserrat-de la Paz; María del Carmen Naranjo; Sergio Lopez; Rocío Abia; Francisco JG Muriana; Beatriz Bermudez. Niacin and olive oil promotes the skewing to M2 phenotype in bone marrow-derived macrophages of mice with metabolic syndrome. *Food & Function*. 7, pp. 2233 - 2238. RSC, 2016.

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 3.247**Position of publication:** 15**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 128

- 17** Sergio Montserrat-de la Paz; Beatriz Bermudez; Magdalena P. Cardelo; Sergio Lopez; Rocío Abia; Francisco JG Muriana. Olive oil and postprandial hyperlipidemia: Implications for atherosclerosis and metabolic syndrome. *Food & Function*. 7, pp. 4734 - 4744. RSC, 2016.

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 3.247**Position of publication:** 15**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 128

- 18** Sergio Montserrat-de la Paz; María del Carmen Naranjo; Sergio Lopez; Rocío Abia; Francisco JG Muriana; Beatriz Bermudez. Olive oil, compared to a saturated dietary fat, has a protective role on atherosclerosis in niacin-treated mice with metabolic syndrome. *Journal of Functional Foods*. 26, pp. 557 - 564. Elsevier, 2016.

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 3.144**Position of publication:** 18**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 128

- 19** Sergio Montserrat-de la Paz; Beatriz Bermudez; María del Carmen Naranjo; Sergio Lopez; Rocío Abia; Francisco JG Muriana. Pharmacological effects of niacin on acute hyperlipemia. *Current Medicinal Chemistry*. 23, pp. 2826 - 2835. Benthamscience, 2016.

Type of production: Scientific paper**Position of signature:** 1**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 3.249**Position of publication:** 16**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - CHEMISTRY, MEDICINAL**Journal in the top 25%:** No**No. of journals in the cat.:** 60

- 20** Sergio Montserrat-de la Paz; María del Carmen Naranjo; Beatriz Bermudez; Sergio Lopez; Wenceslao Morena; Rocío Abia; Francisco JG Muriana. Postprandial dietary fatty acids exert divergent inflammatory response in retinal-pigmented epithelium cells. *Food & Function*. 7, pp. 1345 - 1353. RSC, 2016.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.247
Position of publication: 15
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 128
- 21** Sergio Lopez; Beatriz Bermudez; Sergio Montserrat-de la Paz; Sara Jaramillo; Rocío Abia; Francisco JG Muriana. Virgin olive oil in hypertension. *Current Vascular Pharmacology*. 14, pp. 323 - 329. Benthamscience, 2016.
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 2.391
Position of publication: 125
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - PHARMACOLOGY & PHARMACY
Journal in the top 25%: No
No. of journals in the cat.: 256
- 22** Sergio Montserrat-de la Paz; Rocío de la Puerta; Ángeles Fernandez-Arche; Ana Quilez; Francisco JG Muriana; María Dolores García-Giménez; Beatriz Bermudez. Pharmacological effects of mitraphylline from *Uncaria tomentosa* in primary human monocytes: Skew toward M2 macrophages. *Journal of Ethnopharmacology*. 170, pp. 128 - 135. Elsevier, 2015.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 3.055
Position of publication: 2
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - INTEGRATIVE & COMPLEMENTARY MEDICINE
Journal in the top 25%: Yes
No. of journals in the cat.: 24
- 23** Ana Cárdeno; Marina Aparicio-Soto; Sergio Montserrat-de la Paz; Beatriz Bermudez; Francisco JG Muriana; Catalina Alarcón-de la Lastra. Squalene targets pro- and anti-inflammatory mediators and pathways to modulate over-activation of neutrophils, monocytes and macrophages. *Journal of Functional Foods*. 14, pp. 779 - 790. Elsevier, 2015.
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3.973
Position of publication: 8
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 124

- 24** Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; Beatriz Bermudez; María Dolores García-Giménez. The sterols isolated from Evening Primrose oil inhibit human colon adenocarcinoma cell proliferation and induce cell cycle arrest through upregulation of LXR. *Journal of Functional Foods*. 12, pp. 64 - 69. Elsevier, 2015.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 3.973
Position of publication: 8
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 124
- 25** Sergio Montserrat-de la Paz; María Dolores García-Giménez; María Ángel-Martín; Ángeles Fernández-Arche. Validation and additional support for an animal model of fibromyalgia. *Modern Rheumatology*. 25, pp. 116 - 122. 2015.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 1.843
Position of publication: 22
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - RHEUMATOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 33
- 26** Ana Quilez; Sergio Montserrat-de la Paz; Rocío de la Puerta; Ángeles Fernandez-Arche; María Dolores García-Giménez. Validation of ethnopharmacological use as antiinflammatory of a decoction from *Annona muricata* L. (Annonaceae) leaves. *African Journal of Traditional, Complementary and Alternative medicine*. 12, pp. 14 - 20. 2015.
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 0.533
Position of publication: 23
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - INTEGRATIVE & COMPLEMENTARY MEDICINE
Journal in the top 25%: No
No. of journals in the cat.: 24
- 27** Sergio Montserrat-de la Paz; Sergio Lopez; Almudena Ortega-Gómez; Lourdes María Valera; Rocío Abia; Francisco JG Muriana; Beatriz Bermudez. Dietary Fatty Acids and Vitamin B3: An Effective Treatment Strategy for the Metabolic Syndrome?. *Journal of Food & Nutritional Disorders*. 3, pp. 6. 2014.
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 7
Impact source: No ISI
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 28** Sergio Montserrat-de la Paz; Fabiola Marín-Aguilar; María Dolores García-Giménez; Ángeles Fernández-Arche. Hemp (*Cannabis sativa* L.) seed oil: Analytical and phytochemical characterization of unsaponifiable fraction. *Journal of Agricultural and Food Chemistry*. 62, pp. 1105 - 1110. 2014.
Type of production: Scientific paper
Position of signature: 1
Format: Journal

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 2.912

Position of publication: 2

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

Corresponding author: Yes

Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 56

- 29** Sergio Montserrat-de la Paz; María Dolores García-Giménez; María Ángel-Martín; María del Carmen Pérez-Camino; Ángeles Fernández-Arche. Long-chain fatty alcohols from Evening Primrose oil inhibit inflammatory response in murine peritoneal macrophages. *Journal of Ethnopharmacology*. 151, pp. 131 - 136. Elsevier, 2014.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 2.998

Position of publication: 3

Format: Journal

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

Corresponding author: No

Category: Science Edition - INTEGRATIVE & COMPLEMENTARY MEDICINE

Journal in the top 25%: No

No. of journals in the cat.: 24

- 30** Sergio Lopez; Beatriz Bermudez; Sergio Montserrat-de la Paz; Lourdes María Valera; Almudena Ortega-Gómez; Sara Jaramillo; Rocío Abia; Francisco JG Muriana. Membrane composition and dynamics: a target of bioactive virgin olive oil constituents. *Biochimica et Biophysica acta. Biomembranes*. 1838, pp. 1638 - 1656. Elsevier, 2014.

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 3.836

Position of publication: 18

Format: Journal

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

Corresponding author: No

Category: Science Edition - BIOPHYSICS

Journal in the top 25%: Yes

No. of journals in the cat.: 73

- 31** Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; María Ángel-Martín; María Dolores García-Giménez. Phytochemical characterization of potential nutraceutical ingredients of Evening Primrose oil (*Oenothera biennis* L.). *Phytochemistry Letters*. 8, pp. 158 - 162. Elsevier, 2014.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 1.450

Position of publication: 97

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - PLANT SCIENCES

Journal in the top 25%: No

No. of journals in the cat.: 204

- 32** Sergio Montserrat-de la Paz; María Ángel-Martín; María Dolores García-Giménez; Fabiola Marín-Aguilar; Ángeles Fernández-Arche. Dietary supplementation evening primrose oil improve symptoms of fibromyalgia syndrome. *Journal of Functional Foods*. 5, pp. 1279 - 1287. Elsevier, 2013.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 5

Impact source: ISI

Format: Journal

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

Corresponding author: No



Impact index in year of publication: 4.480

Position of publication: 5

Category: Science Edition - FOOD SCIENCE & TECHNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 124

- 33** Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; María Ángel-Martín; María Dolores García-Giménez. The sterols isolated from Evening Primrose Oil modulate the release of proinflammatory mediators. *Phytomedicine*. 19, pp. 1072 - 1076. Elsevier, 2012.

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 2.972

Position of publication: 2

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - INTEGRATIVE & COMPLEMENTARY MEDICINE

Journal in the top 25%: Yes

No. of journals in the cat.: 22

- 34** Sergio Montserrat-de la Paz; Rocío Abia; Beatriz Bermudez; Sergio Lopez; Francisco JG Muriana. Fatty acids on osteoclastogenesis. *Fatty Acids*. 3, pp. 43 - 53. inTech, 2017. ISBN 978-953-51-3302-5

Type of production: Book chapter

Position of signature: 1

Total no. authors: 5

Relevant results: <http://dx.doi.org/10.5772/68117>

Format: Book

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

Corresponding author: Yes

- 35** Sergio Montserrat-de la Paz. Analytical techniques to study minor compounds in vegetable oils. Analytical and processing techniques. 41, pp. 66 - 80. Studium Press, LLC, USA, 2015.

Type of production: Book chapter

Position of signature: 1

Total no. authors: 1

Format: Book

Degree of contribution: Author or co-author of chapter in book

Corresponding author: Yes

Works submitted to national or international conferences

- 1** **Title of the work:** Anti-inflammatory activity of chia protein hydrolysates on primary human monocytes

Name of the conference: IUNS 21st International Congress of Nutrition

Corresponding author: No

City of event: Buenos Aires, Argentina

Date of event: 2017

Organising entity: IUNS

M Carmen Millan-Linares; M Mar Yust; Sergio Montserrat-de la Paz; Rodrigo Gonzalez-Luna; Justo Pedroche; Francisco Millan.

- 2** **Title of the work:** Aplicaciones farmacológicas de nuevas plantas medicinales y subproductos agrícolas

Name of the conference: Agricultura para la Salud (III Jornadas Técnicas de ANIPAM)

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

City of event: Sevilla, Andalusia, Spain

Date of event: 2017



Organising entity: Escuela Universitaria Francisco Maldonado de Osuna

City organizing entity: Osuna, Andalusia, Spain
Sergio Montserrat-de la Paz.

Type of entity: University Centres and Structures and Associated Bodies

3 Title of the work: Bifidobacterium pseudocatenulatum CECT 7765 ameliorates neuroendocrine alterations associated with an exaggerated stress response and anhedonia in obese mice

Name of the conference: IX Jornadas de Jóvenes Farmacólogos de Andalucía

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Sevilla, Andalusia, Spain

Date of event: 2017

Organising entity: Universidad de Sevilla

Type of entity: University

Sergio Montserrat-de la Paz; Ana Agustín; Ángela Moya Perez; Isabel Campillo; Victor Cerrado; Ana Perez Villalba; Yolanda Sanz.

4 Title of the work: Caper, *Capparis spinosa* L., fruit extracts exert anti-inflammatory activity by a rapid rise of human non-classical monocytes

Name of the conference: IX Jornadas de Jóvenes Farmacólogos de Andalucía

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Sevilla, Andalusia, Spain

Date of event: 2017

Organising entity: Universidad de Sevilla

Type of entity: University

Magdalena P. Cardelo; Nassima Kernouf; Beatriz Bermudez Pulgarín; María Martín Rubio; Abderrahmane Senator; Francisco JG. Muriana; Sergio Montserrat-de la Paz.

5 Title of the work: Effects of minor compounds from virgin olive oil on inflammatory response in human leukocytes

Name of the conference: VI Jornadas de Biotecnología de los Másteres de la Universidad Pablo de Olavide

Type of participation: Participatory - poster

Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 2017

Organising entity: Universidad Pablo de Olavide

Type of entity: University

Sergio Montserrat-de la Paz; María Martín Rubio; Beatriz Bermudez Pulgarín; Rocío Abia; Francisco JG Muriana; Manuel Jimenez Perez.

6 Title of the work: GPETAFLR, a peptide isolated from *Lupinus angustifolius* L. protein hydrolysate, exerts anti-inflammatory effects in human primary monocytes

Name of the conference: IUNS 21st International Congress of Nutrition

Corresponding author: No

City of event: Buenos Aires, Argentina

Date of event: 2017

Organising entity: IUNS

M Carmen Millan-Linares; Sergio Montserrat-de la Paz; M Mar Yust; Justo Pedroche; Francisco Millan.

7 Title of the work: Hemp (*Cannabis sativa* L.) seed oil as a source of bioactive compounds for the treatment of fibromyalgia-related symptoms

Name of the conference: XXXVII Congreso Nacional de Farmacología

Type of participation: Participatory - poster



Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 2017

Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

Sergio Montserrat-de la Paz; Dolores García Giménez; Beatriz Bermudez; Fabiola Marin Aguilar; María Ángel Martín; Ana Quilez; Rocío de la Puerta; Ángeles Fernández Arche.

8 Title of the work: IKK β is involved in pro-inflammatory activity of extracellular nicotinamide phosphoribosyltransferase (eNAMPT) in bone marrow-derived macrophages

Name of the conference: XXXVII Congreso Nacional de Farmacología

Type of participation: Participatory - poster

Corresponding author: No

City of event: Barcelona, Catalonia, Spain

Date of event: 2017

Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

Sergio Montserrat-de la Paz; María Martín Rubio; Paula Daza Navarro; Erik AL. Biessen; Beatriz Bermudez.

9 Title of the work: The minor compounds from virgin olive oil attenuate LPS-induced inflammation via NAMPT-related gene modulation on primary human monocytes

Name of the conference: II Jornadas Internacionales de Investigación e Innovación en Ciencias de la Salud

Type of participation: Participatory - poster

Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 2017

Organising entity: Universidad de Sevilla

Type of entity: University

Antonio Martín-Blanco; Sergio Montserrat-de la Paz; María Martín-Rubio; Paula Daza; Beatriz Bermudez.

10 Title of the work: The pre-doctoral stage: how to prepare a good CV from the start

Name of the conference: Orientation Seminar on Academic Career for Young Doctors

Type of participation: Participatory - invited/keynote talk

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 2017

Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

City organizing entity: Barcelona, Andalusia, Spain

Sergio Montserrat-de la Paz.

11 Title of the work: Actividad antiinflamatoria de hidrolizados proteicos de altramuz en un modelo de absorción intestinal

Name of the conference: XVII Reunión de la Sociedad Española de Nutrición

Type of participation: Participatory - poster

Corresponding author: No

City of event: Santiago de Compostela, Galicia, Spain

Date of event: 2016

Organising entity: SOCIEDAD ESPAÑOLA DE NUTRICION

M Carmen Millan-Linares; Sergio Montserrat-de la Paz; M Mar Yust; Francisco Millan; Justo Pedroche.

12 Title of the work: Acute and short-term effects of dietary fatty acids on osteoclastogenesis via RANKL/RANK/OPG system

Name of the conference: VIII Jornadas de Jóvenes Farmacólogos de Andalucía



Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Malaga, Andalusia, Spain

Date of event: 2016

Organising entity: Universidad de Málaga

Type of entity: University

M Carmen Naranjo; Indara Garcia; Beatriz Bermudez; Sergio Lopez; Magdalena P. Cardelo; Rocio Abia; Francisco JG Muriana; Sergio Montserrat-de la Paz.

- 13** **Title of the work:** Acute effects of exogenous fatty acids and niacin on human monocyte-macrophage plasticity
Name of the conference: Jornadas Internacionales de Investigación e Innovación en Ciencias de la Salud
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2016
Organising entity: Universidad de Sevilla **Type of entity:** University
Magdalena P Cardelo; Sergio Montserrat-de la Paz; Beatriz Bermudez; Rocio Abia; Francisco JG Muriana; Sergio Lopez.
- 14** **Title of the work:** Comisión de Jóvenes Investigadores SEF: Construyendo juntos la Farmacología del Futuro
Name of the conference: VIII Jornadas de Jóvenes Farmacólogos de Andalucía
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Malaga, Andalusia, Spain
Date of event: 2016
Organising entity: Universidad de Málaga **Type of entity:** University
Comision de Jovenes Investigadores SEF; M Luisa Castejon; Aida Collado; Patrice Marques; Sergio Montserrat-de la Paz; Mariella Ramos; Azahara Rodriguez-Luna; Miguel Romero; Concepción Peiró.
- 15** **Title of the work:** Effects of niacin and fatty acid dietary supplementation on adipose tissue metabolic and inflammatory responses in a mouse model of metabolic syndrome
Name of the conference: VII European Congress of Pharmacology EPHAR
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Istambul, Turkey
Date of event: 2016
Organising entity: EPHAR
Sergio Montserrat-de la Paz; M Carmen Naranjo; M Carmen Millan-Linares; Sergio Lopez; Rocio Abia; Erik AL Biessen; Francisco JG Muriana; Beatriz Bermudez.
- 16** **Title of the work:** Ensayos sobre mediadores inflamatorios de fitol y cicloartenols, alcoholes triterpenicos aislados del aceite de cañamo
Name of the conference: Jornadas Internacionales de Investigación e Innovación en Ciencias de la Salud
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2016
Organising entity: Universidad de Sevilla **Type of entity:** University
Maria Angel-Martin; Sergio Montserrat-de la Paz; Beatriz Bermudez; Ana M Quilez; Dolores Garcia-Gimenez; Angeles Fernandez-Arche.



- 17** **Title of the work:** Monounsaturated fatty acids in a high-fat diet protect from white fat dysfunction in the metabolic syndrome
Name of the conference: VIII Jornadas de Jóvenes Farmacólogos de Andalucía
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Malaga, Andalusia, Spain
Date of event: 2016
Organising entity: Universidad de Málaga **Type of entity:** University
Sergio Montserrat-de la Paz; M Carmen Naranjo; M Carmen Millan-Linares; Sergio Lopez; Rocio Abia; Erik AL. Biessen; Francisco JG Muriana; Beatriz Bermudez.
- 18** **Title of the work:** Niacin and olive oil promote the skewing to M2 phenotype in bone marrow-derived macrophages of mice with metabolic syndrome
Name of the conference: VII European Congress of Pharmacology EPHAR
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Istambul, Turkey
Date of event: 2016
Organising entity: EPHAR
M Carmen Naranjo; Sergio Montserrat-de la Paz; Sergio Lopez; Rocio Abia; Erik AL Biessen; Francisco JG Muriana; Beatriz Bermudez.
- 19** **Title of the work:** Phytol from hemp (*Cannabis sativa* L.) seed oil promotes the skewing to M2 phenotype in primary monocytes
Name of the conference: VIII Jornadas de Jóvenes Farmacólogos de Andalucía
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Malaga, Andalusia, Spain
Date of event: 2016
Organising entity: Universidad de Málaga **Type of entity:** University
Beatriz Bermudez; Sergio Montserrat-de la Paz; Dolores Garcia-Gimenez; Rocio de la Puerta; Ana M Quilez; Ángeles Fernandez-Arche.
- 20** **Title of the work:** Unsaponifiable fraction isolated from grape (*Vitis vinifera* L.) seed oil attenuates oxidative and inflammatory responses in human primary monocytes
Name of the conference: Jornadas Internacionales de Investigación e Innovación en Ciencias de la Salud
Type of participation: Participatory - poster
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2016
Organising entity: Universidad de Sevilla **Type of entity:** University
Manuel Perez-Jimenez; M Carmen Millan-Linares; Beatriz Bermudez; Rocio Abia; Francisco JG Muriana; Sergio Montserrat-de la Paz.
- 21** **Title of the work:** Divergent inflammatory response to postprandial triglyceride-rich lipoproteins in retinal-pigmented epithelium cells
Name of the conference: XXXVI Congreso Nacional de Farmacología
Type of participation: Participatory - poster
Corresponding author: Yes
City of event: Valencia, Valencian Community, Spain
Date of event: 2015
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA



Sergio Montserrat-de la Paz; Beatriz Bermudez; M Carmen Naranjo; Sergio Lopez; Rocio Abia; Francisco JG Muriana.

- 22** **Title of the work:** Efectos postprandiales de los ácidos grasos de la dieta en la periodontitis. Implicaciones Cardiovasculares
Name of the conference: XV Jornadas de Investigación en Periodoncia y Osteointegración
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Oviedo, Principality of Asturias, Spain
Date of event: 2015
Organising entity: Sociedad Española de Periodoncia y Osteointegración
Luis Pavillard-Rodriguez; Sergio Montserrat-de la Paz; Pedro Bullon.
- 23** **Title of the work:** Intracellular NAMPT overexpression in hematopoietic cells attenuates atherosclerotic lesion development by regulating PPAR-gamma dependent monocyte differentiation and function
Name of the conference: 13th Dutch German Joint Meeting of the Molecular Cardiology Working Groups
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Garmish, Germany
Date of event: 2015
Organising entity: Dutch-German Molecular Cardiology Groups
B Bermudez; I Medina; TB Dahl; M Groeneweg; S Holm; S Montserrat-de la Paz; M Rousch; JJT Otten; V Herias; LM Varela; A Ortega-Gomez; R Abia; L Nagy; P Aukrust; FJG Muriana; B Halvorsen; EAL Biessen.
- 24** **Title of the work:** Mitraphylline inhibits lipopolysaccharide-mediated activation of primary human neutrophils
Name of the conference: VII Jornadas de Jóvenes Farmacólogos de Andalucía
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Granada, Andalusia, Spain
Date of event: 2015
Organising entity: Universidad de Granada **Type of entity:** University
Beatriz Bermudez; Sergio Montserrat-de la Paz; Rocio De la Puerta; Angeles Fernandez-Arche; Ana M Quilez; Francisco JG Muriana; Dolores Garcia-Gimenez.
- 25** **Title of the work:** NAMPT as key target on dietary fats-induced postprandial inflammation in metabolic syndrome
Name of the conference: XXXVI Congreso Nacional de Farmacología
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Valencia, Valencian Community, Spain
Date of event: 2015
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
M Carmen Naranjo; Sergio Montserrat-de la Paz; Sergio Lopez; Rocio Abia; Erik AL. Biessen; Francisco JG Muriana; Beatriz Bermudez.
- 26** **Title of the work:** Niacin and its metabolites modulate the inflammatory response by regulating M1/M2 phenotypes via upregulating PPAR-gamma
Name of the conference: VII Jornadas de Jóvenes Farmacólogos de Andalucía
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Granada, Andalusia, Spain
Date of event: 2015



Organising entity: Universidad de Granada

Type of entity: University

M Carmen Naranjo; Sergio Montserrat-de la Paz; Sergio Lopez; Rocio Abia; Francisco JG Muriana; Beatriz Bermudez.

27 Title of the work: The phenolic fraction from extra virgin olive oil inhibits lipopolysaccharide-mediated activation of primary human neutrophils

Name of the conference: VII Jornadas de Jóvenes Farmacólogos de Andalucía

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Granada, Andalusia, Spain

Date of event: 2015

Organising entity: Universidad de Granada

Type of entity: University

Sergio Montserrat-de la Paz; Marina Aparicio-Soto; Ana Cardeno; Francisco JG Muriana; Rocio Abia; Catalina Alarcon de la Lastra; Beatriz Bermudez.

28 Title of the work: Anti-inflammatory effects of mitraphylline on macrophage activation: Skew toward M2 phenotype

Name of the conference: VI Jornadas de Jóvenes Farmacólogos de Andalucía

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 2014

Organising entity: Universidad de Sevilla

Type of entity: University

Beatriz Bermudez; Sergio Montserrat-de la Paz; Rocio De la Puerta; Ángeles Fernandez-Arche; Ana M Quilez; Dolores Garcia-Gimenez.

29 Title of the work: Anti-inflammatory effects of mitraphylline on macrophage activation: Skew toward M2 phenotype

Name of the conference: XXXV Congreso Nacional de Farmacología

Type of participation: Participatory - poster

Corresponding author: No

City of event: Madrid, Community of Madrid, Spain

Date of event: 2014

Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

Beatriz Bermudez; Sergio Montserrat-de la Paz; Rocio De la Puerta; Ángeles Fernandez-Arche; Ana M Quilez; Dolores Garcia-Gimenez.

30 Title of the work: Effect of olive oil and other dietary fats on niacin-induced production of the vasodilator PGD2 in human macrophages

Name of the conference: VI Jornadas de Jóvenes Farmacólogos de Andalucía

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 2014

Organising entity: Universidad de Sevilla

Type of entity: University

Maria J Bando-Hidalgo; Yolando Romero; Sergio Montserrat-de la Paz; Beatriz Bermudez; Sergio Lopez; Rocio Abia; Francisco JG Muriana.

31 Title of the work: Effects of postprandial triglyceride-rich lipoproteins on polarization of human primary monocytes

Name of the conference: VI Jornadas de Jóvenes Farmacólogos de Andalucía

Type of participation: Participatory - oral communication



Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 2014

Organising entity: Universidad de Sevilla

Type of entity: University

Dolores Rodriguez-Lozano; Sergio Montserrat-de la Paz; Beatriz Bermudez; Rocio Abia; Francisco JG Muriana; Sergio Lopez.

32 Title of the work: Ginger rhizome (*Zingiber officinale* Roscoe) enhances the antinociceptive effect of acetaminophen in mice

Name of the conference: VI Jornadas de Jóvenes Farmacólogos de Andalucía

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Sevilla, Andalusia, Spain

Date of event: 2014

Organising entity: Universidad de Sevilla

Type of entity: University

Sergio Montserrat-de la Paz; Ángeles Fernandez-Arche; Fabiola Marin-Aguilar; Ana M Quilez; Rocio De la Puerta; Beatriz Bermudez; Dolores Garcia-Gimenez.

33 Title of the work: Squalene modulates myeloid cells activation through MAPK, NRF2, PPAR γ and MMP signalling pathways

Name of the conference: XXXV Congreso Nacional de Farmacología

Type of participation: Participatory - oral communication

Corresponding author: No

City of event: Madrid, Community of Madrid, Spain

Date of event: 2014

Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

Ana Cardeno; Marina Aparicio-Soto; Sergio Montserrat-de la Paz; Beatriz Bermudez; Francisco JG Muriana; Catalina Alarcon de la Lastra.

34 Title of the work: Triglyceride-rich lipoproteins modulate the niacin-induced production of the vasodilator PGD₂ in human macrophages

Name of the conference: XXXV Congreso Nacional de Farmacología

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Madrid, Community of Madrid, Spain

Date of event: 2014

Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

Sergio Montserrat-de la Paz; Maria J Bando-Hidalgo; Yolanda Romero; Beatriz Bermudez; Sergio Lopez; Rocio Abia; Francisco JG Muriana.

35 Title of the work: Intracellular NAMPT protects against atherosclerosis in a PPAR γ -dependent manner

Name of the conference: XXXIV Congreso Nacional de Farmacología

Type of participation: Participatory - poster

Corresponding author: Yes

City of event: Murcia, Region of Murcia, Spain

Date of event: 2013

Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

Beatriz Bermudez; Sergio Montserrat-de la Paz; Tuva B Dahl; Indira Medina; Sergio Lopez; Lourdes M Varela; Almudena Ortega-Gomez; Mathias Groeneweg; Jeroen JT Otten; Bente Halvorsen; Paul Aukrust; Rocio Abia; Erik AL. Biessen; Francisco JG Muriana.



- 36** **Title of the work:** Efecto de las dietas suplementadas con ácido gamma-linolénico en un modelo experimental de fibromialgia en ratón
Name of the conference: IV Jornadas de Jóvenes Farmacólogos Andaluces
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Granada, Andalusia, Spain
Date of event: 2012
Organising entity: Universidad de Granada **Type of entity:** University
Fabiola Marin-Aguilar; Sergio Montserrat-de la Paz; Maria Angel-Martin; Dolores Garcia-Gimenez; Ángeles Fernandez-Arche.
- 37** **Title of the work:** Phytochemical characterization of potential functional ingredients from evening primrose oil (*Oenothera biennis* L.)
Name of the conference: IV Jornadas de Jóvenes Farmacólogos Andaluces
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Granada, Andalusia, Spain
Date of event: 2012
Organising entity: Universidad de Granada **Type of entity:** University
Sergio Montserrat-de la Paz; Ángeles Fernandez-Arche; Maria C Perez-Camino; Maria Angel-Martin; Fabiola Marin-Aguilar; Dolores Garcia-Gimenez.
- 38** **Title of the work:** Phytochemical characterization of potential functional ingredients from evening primrose oil (*Oenothera biennis* L.)
Name of the conference: Phytochemical Society of Europe Congress on Bio-Communication
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Cadiz, Andalusia, Spain
Date of event: 2012
Organising entity: Phytochemical Society of Europe
Dolores Garcia-Gimenez; Sergio Montserrat-de la Paz; Ángeles Fernandez-Arche; Maria Angel-Martin; Maria C Perez-Camino; Rocio de la Puerta.
- 39** **Title of the work:** Protective effect of dietary gamma-linolenic acid in a murine model of generalized chronic pain and immunoinflammatory state
Name of the conference: IV European Workshop on Lipid Mediators
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Paris, France
Date of event: 2012
Organising entity: Institute Pasteur
Sergio Montserrat-de la Paz; Maria Angel-Martin; Dolores Garcia-Gimenez; Ángeles Fernandez-Arche.
- 40** **Title of the work:** Validation and additional support for a new chronic pain animal model
Name of the conference: VI European Congress of Pharmacology
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Granada, Andalusia, Spain
Date of event: 2012
Organising entity: EPHAR
Dolores Garcia-Gimenez; Sergio Montserrat-de la Paz; Rocio de la Puerta; Maria Angel-Martin; Ángeles Fernandez-Arche.



- 41** **Title of the work:** Validation and additional support for animal model of fibromyalgia
Name of the conference: IV Jornadas de Jóvenes Farmacólogos Andaluces
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Granada, Andalusia, Spain
Date of event: 2012
Organising entity: Universidad de Granada **Type of entity:** University
Maria Angel-Martin; Sergio Montserrat-de la Paz; Fabiola Marin-Aguilar; Dolores Garcia-Gimenez; Ángeles Fernandez-Arche.
- 42** **Title of the work:** Anti-oxidant and anti-inflammatory activities of two hydroxytyrosol derivatives in murine peritoneal macrophages
Name of the conference: III Reunión de Jóvenes Farmacólogos de Andalucía
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2011
Organising entity: Universidad de Sevilla **Type of entity:** University
Marina Aparicio-Soto; Ana Cardeno; JM Fernandez-Bolaños; Susana Sanchez-Fidalgo; Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; Catalina Alarcon de la Lastra.
- 43** **Title of the work:** Anti-oxidant and anti-inflammatory activities of unsaponifiable fraction of extra virgin olive oil in murine peritoneal macrophages
Name of the conference: XXXIII Congreso Nacional de Farmacología
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Malaga, Andalusia, Spain
Date of event: 2011
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Marina Aparicio-Soto; Ana Cardeno; Sergio Montserrat-de la Paz; Susana Sanchez-Fidalgo; Angeles Fernandez-Arche; Catalina Alarcon de la Lastra.
- 44** **Title of the work:** Anti-oxidant and anti-inflammatory activities of unsaponifiable fraction of extra virgin olive oil in murine peritoneal macrophages
Name of the conference: III Reunión de Jóvenes Farmacólogos de Andalucía
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2011
Organising entity: Universidad de Sevilla **Type of entity:** University
Ricardo Garcia-Lopez; Ana Cardeno; Marina Aparicio-Soto; Isabel Villegas; Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; Catalina Alarcon de la Lastra.
- 45** **Title of the work:** Caracterización de los componentes funcionales presentes en la piel de la naranja (Citrus sinensis)
Name of the conference: III Reunión de Jóvenes Farmacólogos de Andalucía
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2011
Organising entity: Universidad de Sevilla **Type of entity:** University



Aitana Rodriguez-Perez; Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; Rocio de la Puerta; Dolores Garcia-Gimenez.

- 46** **Title of the work:** Funcionalidad de los esteroides del Aceite de Onagra en inflamación
Name of the conference: VI Congreso Nacional de Fitoterapia
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 2011
Organising entity: SEFIT
Sergio Montserrat-de la Paz; María Angel-Martín; Ángeles Fernández-Arche; M Carmen Perez-Camino; Rocio de la Puerta; Dolores Garcia-Gimenez.
- 47** **Title of the work:** Gamma-oryzanol decreases nitric oxide and TNF-alpha production by stimulated murine macrophages
Name of the conference: XXXIII Congreso Nacional de Farmacología
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Malaga, Andalusia, Spain
Date of event: 2011
Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Rocio de la Puerta; Dolores Garcia-Gimenez; Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; Dolores Herrera-Gonzalez.
- 48** **Title of the work:** La suplementación con Aceite de Onagra mejora la respuesta al dolor en un modelo experimental de fibromialgia en ratón
Name of the conference: VI Congreso Nacional de Fitoterapia
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 2011
Organising entity: SEFIT
Sergio Montserrat-de la Paz; Dolores Garcia-Gimenez; María Angel-Martín; Rocio de la Puerta; Ángeles Fernández-Arche.
- 49** **Title of the work:** La suplementación con Aceite de Onagra reduce los síntomas de deterioro psicomotor y cognitivo en ratones con fibromialgia
Name of the conference: VI Congreso Nacional de Fitoterapia
Type of participation: 'Participatory - poster
Corresponding author: No
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 2011
Organising entity: SEFIT
Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; María Angel-Martín; Rocio de la Puerta; Dolores Garcia-Gimenez.
- 50** **Title of the work:** Long-chain fatty alcohols from evening primrose oil modulate the release of proinflammatory mediators
Name of the conference: XXXIII Congreso Nacional de Farmacología
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Malaga, Andalusia, Spain



Date of event: 2011

Organising entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; Ana Cardeno; Marina Aparicio-Soto; Rocio de la Puerta; Dolores Garcia-Gimenez.

51 Title of the work: Potencial bioactivo de los alcoholes lineales del aceite de onagra

Name of the conference: III Reunión de Jóvenes Farmacólogos de Andalucía

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Sevilla, Andalusia, Spain

Date of event: 2011

Organising entity: Universidad de Sevilla

Type of entity: University

Sergio Montserrat-de la Paz; Ángeles Fernández-Arche; Rocio de la Puerta; Dolores Garcia-Gimenez.

52 Title of the work: Estudio de la Actividad antibacteriana de Sideritis Perezlarae (Borja) Rosello, Stubing Et Peris

Name of the conference: IV Congreso Nacional de Fitoterapia

Type of participation: Participatory - poster

Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 2007

Organising entity: SEFIT

Sergio Montserrat-de la Paz; Paloma Sanchez-Sierra; Beatriz Del Rio-Merchan; Dolores Garcia-Gimenez; M Teresa Saenz-Rodriguez.

53 Title of the work: Validación del uso popular de las hojas de Annona muricata L. (Annonaceae) y Cajanus Cajan L. Millisp (Fabaceae) utilizadas como antiinflamatorias en la zona del caribe

Name of the conference: IV Congreso Nacional de Fitoterapia

Type of participation: Participatory - poster

Corresponding author: No

City of event: Sevilla, Andalusia, Spain

Date of event: 2007

Organising entity: SEFIT

Ana M Quilez; Paloma Sanchez-Sierra; Sergio Montserrat-de la Paz; M Teresa Saenz-Rodriguez; Dolores Garcia-Gimenez.

R&D management and participation in scientific committees

Organization of R&D activities

1 Title of the activity: Seminario de Orientación hacia la Carrera Académica al Joven Investigador

Type of activity: Comité Organizador

Geographical area: National

Convening entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

City convening entity: Barcelona, Catalonia, Spain

Start-End date: 18/06/2017 - 18/06/2017

Duration: 1 day

2 Title of the activity: III Reunión de Jóvenes Farmacólogos de Andalucía

Type of activity: Comité Organizador

Geographical area: Regional

Convening entity: Universidad de Sevilla

Type of entity: University

City convening entity: Sevilla, Andalusia, Spain



Start-End date: 16/06/2011 - 17/06/2011

Duration: 2 days

Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Journal of Nutritional Biochemistry
Type of activity: Review of articles in scientific or technological journals
Start date: 2018
- 2** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Journal of Evidence-Based Complementary and Alternative Medicine
Type of activity: Review of articles in scientific or technological journals
Start date: 2017
- 3** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Journal of Functional Foods
Type of activity: Review of articles in scientific or technological journals
Start date: 2017
- 4** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: British Journal of Nutrition
Type of activity: Review of articles in scientific or technological journals
Start date: 2016
- 5** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Food & Function
Type of activity: Review of articles in scientific or technological journals
Start date: 2016
- 6** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Global Journal Health Science
Type of activity: Review of articles in scientific or technological journals
Start date: 2016
- 7** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Grasas y Aceites
Type of activity: Review of articles in scientific or technological journals
Start date: 2016
- 8** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Journal of Nutrition and Health Science
Type of activity: Review of articles in scientific or technological journals
Start date: 2016
- 9** **Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Journal of Pharmacy and Pharmacology
Type of activity: Review of articles in scientific or technological journals
Start date: 2016



- 10 Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Nutrients
Type of activity: Review of articles in scientific or technological journals
Start date: 2016
- 11 Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Journal of Evidence-Based Complementary and Alternative Medicine
Type of activity: Review of articles in scientific or technological journals
Start date: 2015
- 12 Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Journal of Agricultural and Food Chemistry
Type of activity: Review of articles in scientific or technological journals
Start date: 2014
- 13 Performed tasks:** Revisión de Artículos Científicos
Entity where activity was carried out: Journal of Food Composition and Analysis
Type of activity: Review of articles in scientific or technological journals
Start date: 2014

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Maastricht University **Type of entity:** University
Faculty, institute or centre: Cardiovascular Research Institute of Maastricht University
City of entity: Maastricht, Limburg (NL), Holland
Start-End date: 26/06/2015 - 23/10/2015 **Duration:** 4 months
Funding entity: Ministerio de Economía y Competitividad
Goals of the stay: Doctorate
- 2 Entity:** Maastricht University **Type of entity:** University
Faculty, institute or centre: Cardiovascular Research Institute of Maastricht University
City of entity: Maastricht, Limburg (NL), Holland
Start-End date: 07/07/2014 - 23/11/2014 **Duration:** 4 months
Funding entity: Ministerio de Economía y Competitividad
Goals of the stay: Doctorate

Obtained grants and scholarships

- 1 Name of the grant:** FPI (Formación de Personal Investigador)
Aims: Pre-doctoral
Awarding entity: Dirección General de Investigación Científica y Técnica (M. Economía y Competitividad)
Conferral date: 01/12/2012 **Duration:** 4 years
End date: 30/11/2016
Entity where activity was carried out: Instituto de la Grasa de Sevilla



- 2 Name of the grant:** Beca para la realización de trabajo de investigación
Aims: Investigación
Awarding entity: Consejo Andaluz de Colegios Oficiales de Farmacéuticos
Conferral date: 01/03/2011 **Duration:** 10 months
End date: 31/12/2011
Entity where activity was carried out: Universidad de Sevilla
Faculty, institute or centre: Facultad de Farmacia

Other types of collaboration with researchers or technologists

- 1 Type of relationship:** Colaborador Honorario
Name principal investigator (PI, Co-PI...): Dolores García-Gimenez
Description of the collaboration: Colaborador Honorario Dpto. Farmacología
Start date: 2011 **Duration:** 2 years
- 2 Type of relationship:** Alumno Interno
Name principal investigator (PI, Co-PI...): Dolores García-Gimenez
Description of the collaboration: Alumno Interno Dpto. Farmacología
Start date: 2006 **Duration:** 3 years

Scientific societies and professional associations

- 1 Name of the society:** International Society for Immunonutrition
Start date: 2017
- 2 Name of the society:** Real e Ilustre Colegio de Farmacéuticos de Sevilla
Start date: 2011
- 3 Name of the society:** Sociedad Española de Farmacología
Start date: 2011
- 4 Name of the society:** Sociedad Española de Fitoterapia
Start date: 2011

Prizes, mentions and distinctions

- 1 Description:** Premio a la mejor comunicación oral presentada al IX Jornadas de Jóvenes Farmacólogos de Andalucía
Awarding entity: Universidad de Sevilla **Type of entity:** University
Conferral date: 2017
- 2 Description:** XXXIII Premio Joven Investigador de la Sociedad Española de Farmacología
Awarding entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Conferral date: 2017



- 3** **Description:** Premio a la mejor comunicación oral presentada al VIII Jornadas de Jóvenes Farmacólogos de Andalucía
Awarding entity: Universidad de Málaga **Type of entity:** University
Conferral date: 2016
- 4** **Description:** Premio a la mejor trabajo presentado al VII Congreso Europeo de Farmacología
Awarding entity: EPHAR
Conferral date: 2016
- 5** **Description:** Mención de Matrícula de Honor al Trabajo Fin de Grado en el Grado en Óptica y Optometría, curso 2014-2015
Awarding entity: Universidad de Sevilla **Type of entity:** University
Conferral date: 2015
- 6** **Description:** Premio a la mejor comunicación oral presentada al VII Jornadas de Jóvenes Farmacólogos de Andalucía
Awarding entity: Universidad de Granada **Type of entity:** University
Conferral date: 2015
- 7** **Description:** Premio al artículo más citado en 2014 de la revista Phytochemistry letters
Awarding entity: Elsevier
Conferral date: 2015
- 8** **Description:** Premio a la mejor comunicación oral presentada al XXXIII Congreso Sociedad Española de Farmacología
Awarding entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Conferral date: 2011

Summary of other achievements

- 1** **Description of the achievement:** Escritor de la Revista "Actualidad en Farmacología y Terapéutica" (Artículos de Divulgación)
Accrediting entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Conferral date: 2015
- 2** **Description of the achievement:** Proyecto BÚHO (Divulgación de la Ciencia a Niños)
Accrediting entity: IG-CSIC/Universidad de Sevilla
Conferral date: 2013
- 3** **Description of the achievement:** Miembro de la Comisión de Jóvenes Investigadores de la Sociedad Española de Farmacología
Accrediting entity: SOCIEDAD ESPAÑOLA DE FARMACOLOGIA
Conferral date: 2010