



Antonio Carrillo Vico

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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.

Catedrático de Universidad del Departamento de Bioquímica Médica y Biología Molecular e Inmunología de la Facultad de Medicina (FME) de la Universidad de Sevilla (US), se graduó en Biología por la US en 1996, y obtuvo su doctorado en Medicina en 2005 (Premio Extraordinario). Desde 1986 ha ocupado diferentes puestos como becario predoctoral, becario postdoctoral FEBS, Profesor Ayudante Doctor, Contratado Doctor y, desde 2012, Profesor Titular de Universidad. Realizó su período postdoctoral en el Institute of Immunology and Infection Research (IIIR) de la Universidad de Edimburgo, Reino Unido, en el grupo del Dr. Stephen M. Anderton. Actualmente es el responsable del grupo de investigación PAIDI "NeuroEndocrinología Molecular" y co-investigador responsable del grupo de NeuroInmunoEndocrinología Molecular del Instituto de Biomedicina de Sevilla (IBiS). Ha participado como investigador en más de 20 proyectos de investigación en el área de la inmunomodulación, 10 nacionales (Mineco, FIS, RETICS), 10 autonómicos y varios subvencionados por fondos privados. Como resultado de su actividad investigadora, ha publicado 53 artículos JCR que han recibido más de 3256 citas, con un "índice h" de 28 (WOS/JCR, Agosto-2021). La lista completa de publicaciones puede consultarse en Scopus y Orcid (<http://orcid.org/0000-0002-8516-0999>). Es asimismo autor de dos libros, varios capítulos de libros, artículos de divulgación científica, director de 5 becarios FPU/PIF y de 11 tesis doctorales (5 en ejecución). Ha sido miembro del comité editorial de la revista Journal of Pineal Research y revisor de más de 20 revistas científicas. En la US ha sido Vicedecano de Investigación y Estudios de Postgrado de la FME (2010-2018) y coordinador del Máster en Investigación Médica: clínica y experimental (2012-2018), ha sido miembro de la Comisión de Doctorado y es de la Comisión de Investigación. En la actualidad, los proyectos liderados por el grupo de Antonio Carrillo Vico se centran en dos líneas de investigación: 1) evaluación del uso terapéutico de la melatonina como inmunomodulador y neuroprotector en la Esclerosis Múltiple (EM), desde el año 2010 el grupo ha recibido financiación ininterrumpida que ha permitido dilucidar los efectos de la melatonina sobre las bases inmunopatológicas de la Encefalomiелitis Autoinmune Experimental, modelo pre-clínico de la EM y evaluar su capacidad inmunomoduladora en linfocitos de pacientes con EM. Los resultados obtenidos, nos ha llevado a la obtención de financiación para la realización del primer ensayo clínico en España que evaluará la seguridad y la eficacia de la melatonina en la EM primaria progresiva (estudio MELATOMS-1), autorizado por la AEMPS el 18 de febrero de 2019 (2018-001779-18). 2) valoración preclínica y clínica de la acción de péptidos bioactivos de origen vegetal, que ha recibido financiación ininterrumpida desde el año 2013 y que ha permitido, no solo evaluar la funcionalidad de compuestos proteicos vegetales en muestras biológicas humanas in vitro, sino también realizar un ensayo clínico en voluntarios sanos con una bebida experimental formulada a base de hidrolizados proteicos de lupino (Lupin-1; ClinicalTrials.gov Identifier: NCT02590887). En la actualidad, es investigador responsable de dos proyectos de investigación destinados a evaluar clínicamente biopéptidos vegetales en modelos preclínicos de aterosclerosis y obesidad, así como a la realización de un ensayo clínico a realizar en personas obesos con MAFLD.



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.

- Número de sexenios de investigación: 3, Fecha del último concedido: 31/12/2016
- Número de tesis doctorales dirigidas en los últimos 10 años: 11 (5 en ejecución)
- Número de publicaciones totales indexadas: 60
- Citas totales (WOS; enero 2022): 3390
- Promedio de citas/año durante los últimos 5 años: 274,8/año
- Publicaciones totales en primer decil (D1): 19
- Publicaciones totales en primer cuartil (Q1): 38
- Índice h: 31
- Libros completos publicados: 2
- Capítulos de libros: 3
- Ponencias en congresos internacionales: 30

**Antonio Carrillo Vico**

Surname(s): **Carrillo Vico**
Name: **Antonio**
DNI: **27320405Q**
ORCID: **0000-0002-8516-0999**
ScopusID: **180705-004327**
ResearcherID: **K-5265-2014**
Gender: **Male**
Nationality: **Spain**
Country of birth: **Spain**
Contact province: **Seville**
Contact address: **Instituto de Biomedicina de Sevilla (IBiS). Laboratorio de NeuroInmunoEndocrinología Molecular**
C/Antonio Maura Montaner s/n
41013
Rest of contact address:
Postcode: **Spain**
Contact country: **Andalusia**
Contact aut. region/reg.: **Sevilla**
Contact city: **(34) 955923106**
Land line phone: **vico@us.es**
Email: **https://investigacion.us.es/sisius/sis_showpub.php?idpers=6970**
Personal web page:

Current professional situation

Employing entity: UNIVERSIDAD DE SEVILLA **Type of entity:** University
Department: Facultad de Medicina
Professional category: Catedrático de Universidad **Educational Management (Yes/No):** Yes
City employing entity: Sevilla, Andalusia, Spain
Phone: (34) 955923106
Start date: 31/08/2021
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241200 - Immunology; 241500 - Molecular biology; 249000 - Neurosciences; 320600 - Nutrition sciences
Identify key words: Therapeutics; Molecular mechanism of disease; Foodstuffs technology; Molecular biology
Field of management activity: University

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Sevilla	Profesor Titular de Universidad	19/03/2012
2	Universidad de Sevilla	Profesor Contratado Doctor	07/10/2011
3	Universidad de Sevilla	Profesor Ayudante Doctor	23/06/2008

	Employing entity	Professional category	Start date
4	Institute of Immunology and Infection Research, University of Edinburgh, UK	Becario Postdoctoral FEBS	01/12/2006
5	Universidad de Sevilla	Becario de investigación asociado a proyecto FIS G03/137	01/02/2006
6	Universidad de Sevilla	Prof. Univ. Asimilado Asociado Interino	01/10/2004
7	Hospital Universitario Virgen Macarena	Becario de Investigación de la ASVM	01/10/2000
8	Universidad de Sevilla	Profesor Asociado	22/08/2002
9	Universidad de Sevilla	Profesor Asociado	24/11/2000

- 1** **Employing entity:** Universidad de Sevilla **Type of entity:** University
Professional category: Profesor Titular de Universidad
Start-End date: 19/03/2012 - 30/08/2021
- 2** **Employing entity:** Universidad de Sevilla **Type of entity:** University
Professional category: Profesor Contratado Doctor
Start-End date: 07/10/2011 - 18/03/2012
- 3** **Employing entity:** Universidad de Sevilla **Type of entity:** University
Professional category: Profesor Ayudante Doctor
Start-End date: 23/06/2008 - 06/10/2011
- 4** **Employing entity:** Institute of Immunology and Infection Research, University of Edinburgh, UK **Type of entity:** University
Professional category: Becario Postdoctoral FEBS
Start-End date: 01/12/2006 - 30/11/2008
- 5** **Employing entity:** Universidad de Sevilla
Professional category: Becario de investigación asociado a proyecto FIS G03/137
Start-End date: 01/02/2006 - 31/10/2006
- 6** **Employing entity:** Universidad de Sevilla **Type of entity:** University
Professional category: Prof. Univ. Asimilado Asociado Interino
Start-End date: 01/10/2004 - 30/09/2006
- 7** **Employing entity:** Hospital Universitario Virgen Macarena **Type of entity:** Healthcare Institutions
Professional category: Becario de Investigación de la ASVM
Start-End date: 01/10/2000 - 30/09/2004
- 8** **Employing entity:** Universidad de Sevilla **Type of entity:** University
Professional category: Profesor Asociado
Start-End date: 22/08/2002 - 23/04/2003
- 9** **Employing entity:** Universidad de Sevilla **Type of entity:** University
Professional category: Profesor Asociado
Start-End date: 24/11/2000 - 27/02/2001



Education

University education

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

University degree: Higher degree

Name of qualification: Licenciado en Ciencias Biológicas

Degree awarding entity: Universidad de Sevilla

Type of entity: University

Date of qualification: 03/09/1997

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Biología Molecular y Celular

Degree awarding entity: Universidad de Sevilla

Type of entity: University

Date of degree: 30/12/2005

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Valoración del efecto de la dieta alta en grasa en la inflamación, la aterosclerosis y el comportamiento en ratones Knock-Out para el gen ApoE
Entity: INSTITUTO DE BIOMEDICINA DE SEVILLA **Type of entity:** State agency
Student: Eduardo Ponce España
Date of reading: 19/09/2019
- 2 Project title:** Valoración de los efectos saludables de péptidos bioactivos vegetales: efectos inmunomoduladores, antioxidantes y metabólicos
Type of project: Doctoral thesis
Entity: Universidad de Sevilla **Type of entity:** University
Student: Iván Cruz Chamorro
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 08/11/2018
- 3 Project title:** Evaluación del tratamiento emergente en aneurisma cerebral roto
Entity: Universidad de Sevilla **Type of entity:** University
Student: Rudy Rusell
Date of reading: 11/07/2018
- 4 Project title:** Efectos del tratamiento de melatonina y metilprednisolona sobre la neuroinflamación y neurogeneración en la Encefalomielitis Autoinmune Experimental, modelo experimental de Esclerosis Múltiple
Entity: Universidad de Sevilla **Type of entity:** University



Student: Ana Isabel Álvarez López
Date of reading: 11/12/2017

- 5** **Project title:** La melatonina como posible tratamiento sintomático para la Esclerosis Múltiple
Entity: Universidad de Sevilla **Type of entity:** University
Student: Álvaro Carmona Pestaña
Date of reading: 13/07/2017
- 6** **Project title:** Uso de la melatonina como terapia anti-TNF
Entity: Universidad de Sevilla **Type of entity:** University
Student: Karla Aspiazu Hinostrosa
Obtained qualification: Sobresaliente (9)
Date of reading: 12/07/2017
- 7** **Project title:** Efecto de la melatonina sobre la neuroinflamación en la encefalomielitis autoinmune experimental: modelo experimental de esclerosis múltiple
Type of project: Trabajo Fin de Máster
Entity: Universidad de Sevilla **Type of entity:** University
Student: Alicia Martínez López
Obtained qualification: Matrícula de Honor (10)
Date of reading: 13/07/2015
Date of award: 20/07/2015
- 8** **Project title:** Efecto de los polifenoles del aceite de oliva virgen extra sobre la encefalomielitis autoinmune experimental, modelo animal de esclerosis múltiple
Type of project: Trabajo Fin de Grado
Entity: Universidad de Sevilla **Type of entity:** University
Student: Andrea Méndez Gutiérrez
Obtained qualification: Sobresaliente (10)
Date of reading: 25/06/2015
Date of award: 25/06/2015
- 9** **Project title:** Análisis prospectivo de la administración de melatonina sobre la expresión de marcadores efectores/reguladores de la célula T en Esclerosis Múltiple
Type of project: Trabajo Fin de Máster
Entity: Universidad de Sevilla **Type of entity:** University
Student: Víctor Jiménez González
Obtained qualification: Sobresaliente
Date of reading: 11/12/2014
- 10** **Project title:** Efecto de la melatonina sobre la expresión de marcadores inflamatorios en la Encefalomielitis Autoinmune Experimental
Type of project: Trabajo Fin de Grado
Entity: Universidad de Sevilla **Type of entity:** University
Student: Alicia Martínez López
Obtained qualification: Matrícula de Honor
Date of reading: 04/09/2014
- 11** **Project title:** Relevancia de la melatonina en la respuesta inmunológica de pacientes con lupus eritematoso sistémico
Type of project: Doctoral thesis



Entity: Universidad de Sevilla
Student: Medrano-Campillo, Pablo
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 05/12/2013

Type of entity: University

12 **Project title:** Papel de la preoteína S100? en suero y en orina como marcador pronóstico de mortalidad tras el traumatismo craneoencefálico grave
Type of project: Doctoral thesis
Entity: Universidad de Sevilla
Student: Ana Rodríguez Rodríguez
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 12/07/2013

Type of entity: University

13 **Project title:** Valoración cuantitativa de marcadores bioquímicos como determinantes de fragilidad en el anciano
Type of project: Doctoral thesis
Entity: Universidad de Sevilla
Student: Álvarez-Ríos, Ana Isabel
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 21/12/2011

Type of entity: University

14 **Project title:** Valoracion cualitativa y cuantitativa del dna circulante en suero como marcador tumoral en el cancer de pulmon
Type of project: Doctoral thesis
Entity: Universidad de Sevilla
Student: Cabrera-Alarcón, Jose Luis
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 09/12/2010

Type of entity: University

15 **Project title:** Efectos de la melatonina en la producción de IL-1, IL-6 y TNF-alfa en células Raw
Type of project: Trabajo Fin de Máster
Entity: Universidad de Sevilla
Student: Miguel Ángel Moya Vilchez
Obtained qualification: Sobresaliente
Date of reading: 24/11/2010

Type of entity: University

16 **Project title:** Mecanismos de acción de la melatonina en linfocitos T
Type of project: Doctoral thesis
Entity: Universidad de Sevilla
Student: Lardone, Patricia Judith
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 21/07/2008
Quality recognition: Yes

Type of entity: University



Educational or pedagogical publications, books, articles, etc.

- 1** Antonio Carrillo Vico. Utilización de la metodología de aula inversa en la docencia de la asignatura de Bioquímica y Biología Molecular, pp. 1795 - 1811. Universidad de Sevilla. 2019. ISBN 978-84-472-2191-2
Name of the materials: Libro: Ciclos de mejora en el aula año 2019. Experiencias de innovación docente en la Universidad de Sevilla
Date of drafting: 2019
Format: Chapters of books
Corresponding author: Yes
- 2** Antonio Carrillo Vico. La melatonina: mucho más que un regulador biológico, Revista Hidden-Nature. 4 - 4T/2018, 2018.
Name of the materials: Revista Hidden-Nature
Date of drafting: 01/10/2018
Format: Revista de divulgación
Corresponding author: Yes
- 3** Enrique de Álava; José María Fernández Santos; Antonio Carrillo Vico. Mejora de la Coordinación e Integración de los Contenidos de Histología y Anatomía Patológica del Grado de Medicina y de Bioquímica del Grado de Enfermería mediante Ciclos de Mejora Docente Combinados, 2018.
Name of the materials: Proyecto de Innovación docente
Date of drafting: 2018
Format: Proyecto de innovación docente
Corresponding author: No
- 4** Antonio Carrillo Vico. Melatonin: from darkness to therapy, Government. February 2016 - 17, pp. 199 - 199. Pan European Networks. 2016.
Name of the materials: Pan European Networks: Government
Date of drafting: 2016
Format: Article(s)
Corresponding author: Yes
- 5** Bioquímica y Biofísica, Asignaturas en la red: Bioquímica y Biofísica. 2010.
Name of the materials: Asignaturas en la red
Date of drafting: 2010
Format: Software
- 6** Nutrición y Dietética Clínica, Asignaturas en la red: Nutrición y Dietética Clínica. 2010.
Name of the materials: Asignaturas en la red
Date of drafting: 2010
Format: Software
- 7** Juan M Guerrero Montávez; Antonio Carrillo Vico; Patricia J Lardone. La Melatonina, 373, pp. 30 - 38. 2007.
Name of the materials: Investigación y Ciencia
Date of drafting: 01/10/2007
Format: Article(s)



Scientific and technological experience

Research and development groups/teams

- 1 Name of the group:** RETICEF
Aims of the group: Red de Envejecimiento y Fragilidad
Standardised code: RD12/0043/0012
Affiliation entity: Instituto de Salud Carlos III
Start date: 01/01/2013
Type of collaboration: Co-authorship of projects and their development
Type of entity: Public Research Body
Duration: 4 years
- 2 Name of the group:** RETICEF
Aims of the group: Red de Envejecimiento y Fragilidad
Standardised code: RD06/00130001
Affiliation entity: Instituto de Salud Carlos III
Start date: 01/01/2007
Type of collaboration: Co-authorship of projects and their development
Type of entity: Public Research Body
Duration: 5 years
- 3 Name of the group:** Mechanisms of autoimmunity
Aims of the group: Estudio de las señales que median la respuesta autoinmune en las células T
Type of collaboration: Co-authorship of publications
Affiliation entity: University of Edinburgh
Start date: 01/12/2006
Duration: 2 years
- 4 Name of the group:** NeuroEndocrinología Molecular
Aims of the group: Grupo de Investigación del Plan Andaluz de Investigación
Name of principal investigator: Antonio Carrillo Vico
Standardised code: CTS-160
Affiliation entity: Universidad de Sevilla
Start date: 01/01/1998
Type of collaboration: Co-authorship of projects and their development
Type of entity: University
Duration: 19 years

Scientific or technological activities

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

- 1 Name of the project:** Valoración de los efectos combinados de biopéptidos de lupino y melatonina en la obesidad y la enfermedad del hígado graso asociada a la disfunción metabólica
Entity where project took place: Instituto de Biomedicina de Sevilla/Hospital Universitario Virgen del Rocío
Name principal investigator (PI, Co-PI...): Antonio Carrillo Vico; Ignacio Bejarano Hernando; Patricia Judith Lardone; Ivan Cruz Chamorro; Javier Ampuero Herrojo; Clara Rosso Fernández; Silvia Jiménez Jorge; Ana Rodríguez Rodríguez; Justo Javier Pedroche; José María Fernández Santos
Nº of researchers: 11
Type of participation: Principal investigator
Name of the programme: Convocatoria de subvenciones para la financiación de la Investigación, Desarrollo e Innovación (I+D+I) en Biomedicina y en Ciencias de la Salud en Andalucía, para el año 2021



Code according to the funding entity: PEMP-0085- 2020

Start-End date: 22/11/2021 - 21/11/2023

Duration: 3 years

Total amount: 121.885 €

2 Name of the project: CARELight_Lite: Iluminación biodinámica para la regulación del ritmo circadiano del personal asistencial de las Unidades de Cuidados Intensivos Pediátricas

Type of project: Research and development, including transfer

Geographical area: Regional

Entity where project took place: Hospital Universitario Virgen del Rocío/Instituto de Biomedicina de Sevilla/Universidad de Sevilla

Type of entity: Public Research Body

City of entity: Sevilla, Andalusia, Spain

Name principal investigator (PI, Co-PI...): Samuel Domínguez Amarillo; Antonio Carrillo Vico; Juan Miguel Guerrero Montaez; María Dolores Carranza Muñoz; Ana Álvarez Rios; Raquel Valencia Martín; María Teresa Charlo Molina; Ana Ortiz Álvarez; Ignacio Javier Acosta García; Juan José Sendra Salas

Nº of researchers: 11

Type of participation: Team member

Name of the programme: PROYECTOS DE INVESTIGACIÓN, DESARROLLO E INNOVACIÓN BIOMÉDICA Y EN CIENCIAS DE LA SALUD 2019

Code according to the funding entity: PI-0136-2019

Start-End date: 23/12/2019 - 23/12/2022

Total amount: 68.925 €

3 Name of the project: Evaluación de la Terapia con Melatonina sobre la Respuesta Inmune y la Neurodegeneración en la Esclerosis Múltiple Primaria Progresiva

Entity where project took place: Instituto de Biomedicina de Sevilla

Type of entity: Public Research Body

City of entity: Sevilla, Andalusia, Spain

Name principal investigator (PI, Co-PI...): Antonio Carrillo Vico; Patricia Judith Lardone; Silvia Jiménez Jorge; Clara María Rosso Fernández; Juan Luis Ruiz Peña; Guillermo Izquierdo Ayuso

Nº of researchers: 6

Type of participation: Principal investigator

Name of the programme: PROYECTOS DE I+D+I EN EL MARCO DEL PROGRAMA OPERATIVO FEDER ANDALUCÍA 2014-2020.

Code according to the funding entity: US-1263804

Start-End date: 17/01/2020 - 17/02/2022

Total amount: 89.975 €

4 Name of the project: Uso de la melatonina como estrategia terapéutica en la esclerosis múltiple primaria progresiva: papel del miRNoma y el microbioma

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

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Instituto de Biomedicina de Sevilla

Type of entity: University Research Institute

City of entity: Sevilla, Andalusia, Spain

Name principal investigator (PI, Co-PI...): Antonio Carrillo Vico; Nuria Álvarez Sánchez; Patricia Judith Lardone; Juan Miguel Guerrero Montáñez; Clara Rosso Fernández; Juan Luis Ruiz Peña; Sara Eichau Madueño; María Isabel García Sánchez; Hada Macher Manzano

Nº of researchers: 9

Type of participation: Principal investigator

Name of the programme: SUBVENCIONES PARA LA FINANCIACIÓN DE LA I+D+i BIOMÉDICA Y EN CIENCIAS DE LA SALUD EN ANDALUCÍA: PROYECTOS DE INVESTIGACIÓN EN SALUD



Code according to the funding entity: PI-0015-2018
Start-End date: 28/12/2018 - 27/12/2021
Total amount: 60.450 €

5 **Name of the project:** Ayuda por la consolidación de grupos de investigación y desarrollo tecnológico de la comunidad autónoma andaluza
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Universidad de Sevilla **Type of entity:** University
Name principal investigator (PI, Co-PI....): Guerrero Montávez, Juan Miguel
Nº of researchers: 17
Type of participation: Principal investigator
Name of the programme: OTROS PROGRAMAS, JUNTA DE ANDALUCÍA
Code according to the funding entity: CTS160
Start-End date: 01/05/2017 - 30/06/2021 **Duration:** 729 days
Total amount: 18.196,46 €

6 **Name of the project:** Diseño Eficiente de la Iluminación Biodinámica para Promover el Ritmo Circadiano en Centros de Trabajo de Actividad Continuada
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Universidad de Sevilla **Type of entity:** University
Name principal investigator (PI, Co-PI....): Juan José Sendra Salas; Ignacio Acosta García
Nº of researchers: 10
Type of participation: Team member
Name of the programme: Plan Estatal 2013-2016 Retos - Proyectos I+D+i , Ministerio de Economía y Competitividad
Code according to the funding entity: BIA2017-86997-R
Start-End date: 01/01/2018 - 31/12/2020
Total amount: 127.050 €
Dedication regime: Part time

7 **Name of the project:** Valoración de la Melatonina Como Herramienta Terapéutica en la Esclerosis Múltiple Primaria Progresiva
Degree of contribution: Researcher
Entity where project took place: Instituto de Biomedicina de Sevilla **Type of entity:** University Research Institute
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Patricia Judith Lardone; Antonio Carrillo Vico; Juan Miguel Guerrero Montavez; Nuria Álvarez Sánchez; Antonio López González; Ana Isabel Álvarez Ríos; María de los Ángeles Rol de Lama
Nº of researchers: 7
Funding entity or bodies: Consejería de Salud. Junta de Andalucía **Type of entity:** Public Research Body
City funding entity: Sevilla, Andalusia, Spain
Type of participation: Team member
Name of the programme: Financiación de la Investigación, Desarrollo e Innovación (I+D+I) Biomédica y en Ciencias de la Salud en Andalucía
Code according to the funding entity: PC-0019-2017



Start-End date: 13/10/2017 - 12/10/2020

Total amount: 65.034,28 €

8 Name of the project: Papel de la Melatonina como Estrategia Terapéutica frente a la Isquemia Tisular en el Donante Cadavérico y su Valoración Mediante Biomarcadores de Estrés Oxidativo y microARNs

Degree of contribution: Researcher

Entity where project took place: Instituto de Biomedicina de Sevilla

Type of entity: University Research Institute

Name principal investigator (PI, Co-PI...): Juan José Egea Guerrero; Ángel Viches Arenas; Antonio Carrillo Vico; Nuria Álvarez Sánchez; Patricia Judith Lardone; Zaida Ruiz de Azua López; Ana Rodríguez Rodríguez; José Miguel Pérez Villares; Domingo Daga Ruiz

Nº of researchers: 10

Funding entity or bodies:

Fundación Mutua Madrileña

Type of entity: Foundation

Type of participation: Team member

Name of the programme: Fundación Mutua Madrileña. Ayudas a la Investigación

Code according to the funding entity: AP166562017

Start-End date: 16/06/2017 - 15/06/2020

Total amount: 99.800 €

9 Name of the project: Valoración Funcional de Los Efectos Beneficiosos de Biopéptidos de Origen Vegetal en la Aterosclerosis y el Síndrome Metabólico

Entity where project took place: Instituto de Biomedicina de Sevilla

Type of entity: University Research Institute

Type of participation: Principal investigator

Name of the programme: Proyectos de Investigación, desarrollo e innovación biomédica y en Ciencias de la Salud. Junta de Andalucía

Code according to the funding entity: PC-0111-2016-0111

Start-End date: 21/12/2016 - 20/12/2019

Total amount: 96.000 €

10 Name of the project: Uso de la Melatonina Como Tratamiento Adyuvante para la Esclerosis Múltiple: Efectos Inmunomoduladores y Neuroprotectores

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

Degree of contribution: Researcher

Entity where project took place: Instituto de Biomedicina de Sevilla

Type of entity: University Research Institute

Name principal investigator (PI, Co-PI...): Patricia Judith Lardone

Nº of researchers: 8

Type of participation: Team member

Name of the programme: Ayudas de la Fundación Pública Andaluza Progreso y Salud para la financiación de proyectos de Investigación Biomédica y en Ciencias de la Salud en Andalucía para el año 2014

Code according to the funding entity: PI-0485-2014

Start-End date: 01/09/2015 - 31/08/2017

Total amount: 21.632,57 €

11 Name of the project: Red Temática de Investigación Cooperativa en Envejecimiento y Fragilidad (RETICEF)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Hospital Universitario Virgen del Rocío

Name principal investigator (PI, Co-PI...): Rodriguez Mañanas, Leocadio

**Funding entity or bodies:**

Instituto Carlos III

Type of entity: State agency**Type of participation:** Team member**Name of the programme:** INSTITUTO DE SALUD CARLOS III**Code according to the funding entity:** RD12/0043/0012**Start-End date:** 01/01/2013 - 31/12/2016**Total amount:** 121.133,92 €

- 12 Name of the project:** Valoración de los efectos saludables de péptidos bioactivos vegetales: efectos inmunomoduladores, antioxidantes y metabólicos

Geographical area: National**Degree of contribution:** Researcher**Entity where project took place:** Instituto de Biomedicina de Sevilla**Type of entity:** University Research Institute**Name principal investigator (PI, Co-PI....):** Carrillo Vico, Antonio**Nº of researchers:** 3**Funding entity or bodies:**

Ministerio de Economía y Competitividad

Type of entity: State agency**Type of participation:** Principal investigator**Name of the programme:** Ministerio de Economía y Competitividad**Code according to the funding entity:** AGL2012-40247-C02-02**Start-End date:** 01/01/2013 - 31/12/2015**Duration:** 3 years**Total amount:** 87.750 €

- 13 Name of the project:** Ayuda por la consolidación de grupos de investigación y desarrollo tecnológico de la comunidad autónoma andaluza

Geographical area: Regional**Degree of contribution:** Researcher**Entity where project took place:** Universidad de Sevilla**Type of entity:** University**Name principal investigator (PI, Co-PI....):** Guerrero Montávez, Juan Miguel**Nº of researchers:** 17**Name of the programme:** OTROS PROGRAMAS, JUNTA DE ANDALUCÍA**Code according to the funding entity:** CTS160**Start-End date:** 01/01/1998 - 31/12/2014**Duration:** 729 days**Total amount:** 130.967,1 €

- 14 Name of the project:** Análisis prospectivo de la capacidad inmunomoduladora de la melatonina sobre la funcionalidad de la célula T en la esclerosis múltiple y su uso como producto de terapia avanzada en la EAE

Geographical area: Regional**Degree of contribution:** Researcher**Entity where project took place:** Instituto de Biomedicina de Sevilla**Type of entity:** University Research Institute**Name principal investigator (PI, Co-PI....):** Carrillo Vico, Antonio**Nº of researchers:** 6**Funding entity or bodies:**

Consejería de Salud. Junta de Andalucía

Type of entity: State agency**Type of participation:** Principal investigator**Name of the programme:** Financiación de la Investigación Biomédica y en Ciencias de la Salud en Andalucía para el año 2010



Code according to the funding entity: PI-0209-2010

Start-End date: 01/01/2011 - 31/12/2013

Duration: 1095 days

Total amount: 52.359,84 €

15 Name of the project: Red Temática de Investigación Cooperativa en Envejecimiento y Fragilidad (RETICEF)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Hospital Universitario Virgen del Rocío

Name principal investigator (PI, Co-PI....): Rodriguez Mañanas, Leocadio

Funding entity or bodies:

Instituto Carlos III

Type of entity: State agency

Name of the programme: INSTITUTO DE SALUD CARLOS III

Code according to the funding entity: RD06/0013/0001

Start-End date: 01/01/2007 - 31/12/2012

Total amount: 181.143,36 €

16 Name of the project: Relevancia de la melatonina en el papel protector de la O-glicosilación proteica en el desarrollo de melanomas

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad de Sevilla

Type of entity: University

Name principal investigator (PI, Co-PI....): Guerrero Montávez, Juan Miguel

Nº of researchers: 4

Type of participation: Team member

Name of the programme: OTROS PROGRAMAS DE LA AGENCIA ESPAÑOLA DEL COOPERACIÓN INTERNACIONAL (AECI), MINISTERIO DE ASUNTOS EXTERIORES Y COOPERACIÓN

Code according to the funding entity: A/9274/07

Start-End date: 16/01/2008 - 15/01/2010

Duration: 364 days

Total amount: 38.000 €

17 Name of the project: Estudios inmunobiológicos y de degeneración neuronal parkinsoniana tras la inactivación génica de la biosíntesis

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Universidad de Sevilla

Type of entity: University

Name principal investigator (PI, Co-PI....): Guerrero Montávez, Juan Miguel

Nº of researchers: 9

Name of the programme: PROYECTOS DE EXCELENCIA, JUNTA DE ANDALUCÍA

Code according to the funding entity: P06-CTS-01604

Start-End date: 13/04/2007 - 31/12/2009

Duration: 1095 days

Total amount: 177.999,92 €

18 Name of the project: Bases moleculares de la inmunoregulación por melatonina de la patología autoinmune: significancia de las células T reguladoras (CD4+ CD25+)

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad de Sevilla

Type of entity: University



Name principal investigator (PI, Co-PI....): Guerrero Montávez, Juan Miguel

Nº of researchers: 6

Name of the programme: FONDO DE INVESTIGACIÓN SANITARIA (FIS), MINISTERIO DE CIENCIA E INNOVACIÓN

Code according to the funding entity: PI060091

Start-End date: 01/01/2006 - 31/12/2009

Duration: 1095 days

Total amount: 113.740 €

19 Name of the project: Bases moleculares y celulares del daño oxidativo en el envejecimiento

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad de Sevilla **Type of entity:** University

Name principal investigator (PI, Co-PI....): Guerrero Montávez, Juan Miguel

Nº of researchers: 5

Name of the programme: FONDO DE INVESTIGACIÓN SANITARIA (FIS), MINISTERIO DE CIENCIA E INNOVACIÓN

Code according to the funding entity: G03/137

Start-End date: 01/01/2003 - 31/12/2006

Duration: 1367 days

Total amount: 99.153,64 €

20 Name of the project: Inmunoregulación de las células Natural Killer T (NK-T) por VIP: análisis funcional, mecanismos de acción y efecto sobre la patogénesis de la diabetes tipo 1 como modelo de enfermedad autoinmune Th1

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

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad de Sevilla **Type of entity:** University

Nº of researchers: 5

Type of participation: Others

Code according to the funding entity: PI030359

Start-End date: 28/11/2003 - 27/11/2006

Total amount: 51.060 €

21 Name of the project: Neuroinmunoregulación de las células cebadas: mecanismos de acción y efectos biológicos de la melatonina y el VIP

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Universidad de Sevilla **Type of entity:** University

Name principal investigator (PI, Co-PI....): Calvo Gutiérrez, Juan Ramón

Nº of researchers: 7

Name of the programme: PROGRAMAS DEL PLAN NACIONAL I+D, MINISTERIO DE CIENCIA Y TECNOLOGÍA

Code according to the funding entity: BFI2002-03544

Start-End date: 01/01/2003 - 31/12/2005

Duration: 1096 days

Total amount: 60.950 €

22 Name of the project: Estudio de las variaciones del enzima telomerasa por melatonina y su papel como nuevo marcador tumoral

Geographical area: Regional



Degree of contribution: Researcher
Entity where project took place: Universidad de Sevilla
Type of entity: University
Name principal investigator (PI, Co-PI....): Guerrero Montávez, Juan Miguel
Nº of researchers: 3
Name of the programme: PLAN ANDALUZ DE INVESTIGACIÓN (PAI), JUNTA DE ANDALUCÍA
Code according to the funding entity: 27/03
Start-End date: 01/07/2003 - 30/06/2005
Duration: 730 days
Total amount: 16.000 €

23 **Name of the project:** Estudio del estado de estrés oxidativo producido por la fenilcetonuria y su prevención por antioxidantes como la melatonina, vitamina E y vitamina C
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Hospital Universitario Virgen Macarena
Type of entity: Healthcare Institutions
Name principal investigator (PI, Co-PI....): Guerrero Montávez, Juan Miguel
Nº of researchers: 3
Name of the programme: OTROS PROGRAMAS, ORGANISMOS PÚBLICOS
Code according to the funding entity: 84/2001
Start-End date: 01/10/2001 - 30/09/2003
Duration: 730 days
Total amount: 7.212,15 €

24 **Name of the project:** Efecto inmunomodulador de la vitamina D postrasplante alogénico. Ensayo clínico I-II Multicéntrico (ALOVITA)
Degree of contribution: Researcher
Entity where project took place: Instituto de Biomedicina de Sevilla
Type of entity: University Research Institute
Name principal investigator (PI, Co-PI....): Pérez Simón, José Antonio
Code according to the funding entity: 2010/101
Start date: 01/01/2010

25 **Name of the project:** Papel de la melatonina como adyuvante en protocolos de vacunación frente al virus de la hepatitis B
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Hospital Universitario Virgen Macarena
Type of entity: Healthcare Institutions
Name principal investigator (PI, Co-PI....): Guerrero Montávez, Juan Miguel
Nº of researchers: 5
Name of the programme: OTROS PROGRAMAS, JUNTA DE ANDALUCÍA
Code according to the funding entity: CS0104/2005
Start date: 01/04/2006
Duration: 1095 days
Total amount: 4.000 €

26 **Name of the project:** Nuevo FEDER

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

- 1** **Name of the project:** Análisis de la expresión de nuevos marcadores en células del cúmulo como descriptores de éxito en el proceso de implantación embrionaria
Entity where project took place: INSTITUTO DE BIOMEDICINA DE SEVILLA
Degree of contribution: Scientific coordinator
Entity where project took place: INSTITUTO DE BIOMEDICINA DE SEVILLA **Type of entity:** State agency
Name principal investigator (PI, Co-PI....): Carrillo Vico, Antonio
Nº of researchers: 3
Funding entity or bodies: Fundación Gualdalquivir en Investigación Médica **Type of entity:** Foundation
Name of the programme: Contrato 68/83
Code according to the funding entity: FIUS 0904
Start date: 30/09/2010 **Duration:** 180 days
Total amount: 7.080 €
- 2** **Name of the project:** Caracterización de los efectos antiinflamatorios de la neurohormona
Type of project: Research and development, including transfer **Entity where project took place:** Universidad de Sevilla
Degree of contribution: Current university student
Entity where project took place: Universidad de Sevilla **Type of entity:** University
Name principal investigator (PI, Co-PI....): Calvo Gutiérrez, Juan Ramón
Funding entity or bodies: Laboratorios Esteve **Type of entity:** Business
Name of the programme: PETRI
Code according to the funding entity: PTR-1995-0451-0P
Start date: 01/04/2001 **Duration:** 13 months
Total amount: 21.113,53 €
- 3** **Name of the project:** Estudio del efecto de diferentes añadas de vino sobre estrés oxidativo en ratas
Type of project: Industrial research **Entity where project took place:** Universidad de Sevilla
Degree of contribution: Current university student
Entity where project took place: Universidad de Sevilla **Type of entity:** University
Name principal investigator (PI, Co-PI....): Juan M Guerrero Montávez
Nº of researchers: 2
Funding entity or bodies: José Estévez S.A. (Real Tesoro) **Type of entity:** Business
Name of the programme: Contrato 68/83
Code according to the funding entity: SI/-004/00
Start date: 01/01/2000 **Duration:** 3 months
Total amount: 4.202,6 €



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Santos-Sánchez G; Cruz-Chamorro I; Álvarez-Ríos AI; Fernández-Santos JM; Vázquez-Román MV; Rodríguez-Ortiz B; Álvarez-Sánchez N; Álvarez-López AI; Millán-Linares MDC; Millán F; Pedroche J; Fernández-Pachón MS; Lardone PJ; Guerrero JM; Ignacio Bejarano; Antonio Carrillo-Vico. Lupinus angustifolius Protein Hydrolysates Reduce Abdominal Adiposity and Ameliorate Metabolic Associated Fatty Liver Disease (MAFLD) in Western Diet Fed-ApoE ^{-/-} Mice. *Antioxidants* (Basel). Jul 29 - 10(8), pp. 1222. 2021.
DOI: 10.3390/antiox10081222
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY
Impact index in year of publication: 6.312 **Journal in the top 25%:** Yes
Position of publication: 11 **No. of journals in the cat.:** 144
- 2** Cruz-Chamorro I; Álvarez-Sánchez N; Álvarez-Ríos AI; Santos-Sánchez G; Pedroche J; Millán F; Carrera Sánchez C; Fernández-Pachón MS; Millán-Linares MC; Martínez-López A; Lardone PJ; Bejarano I; Guerrero JM; Carrillo-Vico A. Safety and Efficacy of a Beverage Containing Lupine Protein Hydrolysates on the Immune, Oxidative and Lipid Status in Healthy Subjects: An Intervention Study (the Lupine-1 Trial). *Molecular Nutrition and Food Research*. May - 20, pp. 1 - 10. Wiley, 2021.
Type of production: Scientific paper **Format:** Journal
Position of signature: 14 **Corresponding author:** Yes
Total no. authors: 14 **Category:** Science Edition - FOOD SCIENCE & TECHNOLOGY
Impact source: ISI **Journal in the top 25%:** Yes
Impact index in year of publication: 5.309 **No. of journals in the cat.:** 139
Position of publication: 8
- 3** Ivan Cruz-Chamorro; Nuria Álvarez-Sánchez; Guillermo Santos-Sánchez; Justo Pedroche; María-Soledad Fernández-Pachón; Francisco Millán; María Carmen Millán-Linares; Ignacio Bejarano; Patricia Judith Lardone; Juan Miguel Guerrero; Antonio Carrillo-Vico. Immunomodulatory and Antioxidant Properties of Wheat Gluten Protein Hydrolysates in Human Peripheral Blood Mononuclear Cells. *Nutrients*. Jun 4 - 12(6), pp. E1673. MDPI, 2020.
DOI: 10.3390/nu12061673
Type of production: Scientific paper **Format:** Journal
Position of signature: 11 **Corresponding author:** Yes
Total no. authors: 11 **Category:** Science Edition - NUTRITION & DIETETICS
Impact source: ISI **Journal in the top 25%:** Yes
Impact index in year of publication: 4.564 **No. of journals in the cat.:** 89
Position of publication: 17



- 4** G X Zhang; A Carrillo-Vico; W T Zhang; S S Gao; G Izquierdo Ayuso. Incidence and prevalence of multiple sclerosis in China and other Asian countries. *Neurologia (Engl Ed)*. Oct 14 - S0213-4853(20), pp. 30269 - 30283. 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 5** Zhang GX; Carrillo-Vico A; Zhang WT; Gao SS; Izquierdo Ayuso G. Incidence and prevalence of multiple sclerosis in China and other Asian countries. *Neurología*. Oct - 57(10), pp. 4082 - 4089. 2020.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Impact source: ISI **Category:** Science Edition - CLINICAL NEUROLOGY
Impact index in year of publication: 2.283 **Journal in the top 25%:** No
Position of publication: 124 **No. of journals in the cat.:** 204
- 6** Álvarez-Sánchez N; Cruz-Chamorro I; Álvarez-López AI; López-González A; Lacalle Remigio JR; Lardone PJ; Guerrero JM; Martínez-López A; Carrillo-Vico A. Seasonal Variations in Macrophages/Microglia Underlie Changes in the Mouse Model of Multiple Sclerosis Severity. *Molecular Neurobiology*. Jul - 13, pp. 4082 - 4089. Springer, 2020.
DOI: 10.1007/s12035-020-02017-x
Type of production: Scientific paper **Format:** Journal
Position of signature: 9
Total no. authors: 9 **Corresponding author:** Yes
Impact source: ISI **Category:** Science Edition - NEUROSCIENCES
Impact index in year of publication: 4.50 **Journal in the top 25%:** Yes
Position of publication: 65 **No. of journals in the cat.:** 271
- 7** Herrero-Fernández I; Rosado-Sánchez I; Álvarez-Ríos AI; Galvá MI; De Luna-Romero M; Sanbonmatsu-Gámez S; Pérez-Ruiz M; Navarro-Marí JM; Carrillo-Vico A; Sánchez B; Ramos R; Cañizares J; Leal M; Pacheco YM. Effect of homeostatic T-cell proliferation in the vaccine responsiveness against influenza in elderly people. *Immun Ageing*. Jul 5 - 16:14, pp. 1 - 12. 2019.
DOI: 10.1186/s12979-019-0154-y
Type of production: Scientific paper **Format:** Journal
Position of signature: 9
Total no. authors: 14 **Corresponding author:** No
Impact source: ISI **Category:** Science Edition - GERIATRICS & GERONTOLOGY
Impact index in year of publication: 4.25 **Journal in the top 25%:** Yes
Position of publication: 11 **No. of journals in the cat.:** 53
- 8** Álvarez-Sánchez N; Álvarez-Ríos AI; Guerrero JM; García-García FJ; Rodríguez-Mañas L; Cruz-Chamorro I; Lardone PJ; Carrillo-Vico A. Homocysteine and C-reactive protein levels are associated with frailty in older Spaniards: The Toledo Study for Healthy Aging. *J Gerontol A Biol Sci Med Sci*. Jul - 13, pp. 1 - 7. 2019. ISSN 1758-535X
DOI: 10.1093/gerona/glz168
Type of production: Scientific paper **Format:** Journal
Position of signature: 8
Total no. authors: 8 **Corresponding author:** Yes
Impact source: ISI **Category:** Science Edition - GERIATRICS & GERONTOLOGY
Impact index in year of publication: 5.236 **Journal in the top 25%:** Yes

Position of publication: 5

No. of journals in the cat.: 51

- 9** Cruz-Chamorro I; Álvarez-Sánchez N; Millán-Linares MDC; Yust MDM; Pedroche J; Millán F; Lardone PJ; Carrera-Sánchez C; Guerrero JM; Carrillo-Vico A. Lupine protein hydrolysates decrease the inflammatory response and improve the oxidative status in human peripheral lymphocytes. Food Res Int.Dec;126 - 108585, pp. 1 - 9. 2019.
DOI: 10.1016/j.foodres.2019
Type of production: Scientific paper
Position of signature: 10
Total no. authors: 10
Impact source: ISI
Impact index in year of publication: 4.972
Position of publication: 11
- Corresponding author:** Yes
Category: Science Edition - FOOD SCIENCE & TECHNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 139
- 10** Álvarez-Sánchez N; Cruz-Chamorro I; Díaz-Sánchez M; Lardone PJ; Guerrero JM; Carrillo-Vico A. Peripheral CD39-expressing T regulatory cells are increased and associated with relapsing-remitting multiple sclerosis in relapsing patients.Sci Rep.Feb 19 - 9(1), pp. 1 - 8. Nature, 2019. ISSN 2045-2322
PMID: PMC6381140
Type of production: Scientific paper
Position of signature: 6
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 4.011
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 - MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 69
- 11** Cruz-Chamorro I; Álvarez-Sánchez N; Escalante-Andicoechea C; Carrillo-Vico A; Rubio A; Guerrero JM; Molinero P; Lardone PJ. Temporal expression patterns of the melatonergic system in the human thymus of children. Mol Metab.Oct;28 - 83-90, pp. 83 - 90. 2019.
DOI: 10.1016/j.molmet.2019.07.007
Type of production: Scientific paper
Position of signature: 4
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 6.448
Position of publication: 13
- Format:** Journal
Corresponding author: No
Category: Science Edition - ENDOCRINOLOGY & METABOLISM
Journal in the top 25%: Yes
No. of journals in the cat.: 143
- 12** M. Carmen Millán-Linares; Ana Lemus-Conejo; M. Mar Yust; Justo Pedroche; Antonio Carrillo-Vico; Francisco Millán; Sergio Monserrat-de la Paz. GPETAFLR, a novel bioactive peptide from Lupinus angustifolius L. protein hydrolysate, reduces osteoclastogenesis. Journal of Functional Foods. 47 - August 2018, pp. 299 - 303. Elsevier, 2018. ISSN 1756-4646
DOI: doi.org/10.1016/j.jff.2018.05.069
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 7
Impact source: ISI
- Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: FOOD SCIENCE & TECHNOLOGY



Impact index in year of publication: 3.47
Position of publication: 16

Journal in the top 25%: Yes
No. of journals in the cat.: 133

- 13** Álvarez-Sánchez N; Álvarez-Ríos AI; Guerrero JM; García-García FJ; Rodríguez Mañas L; Cruz-Chamorro I; Lardone PJ; Carrillo-Vico A. Homocysteine levels are associated with bone resorption in pre-frail and frail Spanish women: The Toledo Study for Healthy Aging. *Exp Gerontol.* Jul - 15;108, pp. 201 - 208. Elsevier, 2018.

DOI: 10.1016/j.exger.2018.04.019

Type of production: Scientific paper

Position of signature: 8

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 3.34

Position of publication: 12

Format: Journal

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

Corresponding author: Yes

Category: GERIATRICS & GERONTOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 49

- 14** Nuria Álvarez-Sánchez; Ivan Cruz-Chamorro; María Díaz-Sánchez; Helia Sarmiento-Soto; Pablo Medrano-Campillo; Alicia Martínez-López; Patricia J. Lardone; Juan M. Guerrero; Antonio Carrillo-Vico. Melatonin reduces inflammatory response in peripheral T helper lymphocytes from relapsing-remitting multiple sclerosis patients. *Journal of Pineal Research.* 63 - 4, pp. 1 - 11. Wiley-Blackwell, 2017. ISSN 0742-3098

DOI: 10.1111/jpi.12442

Type of production: Scientific paper

Position of signature: 9

Total no. authors: 9

Impact source: ISI

Impact index in year of publication: 11.61

Position of publication: 6

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - ENDOCRINOLOGY & METABOLISM

Journal in the top 25%: Yes

No. of journals in the cat.: 143

- 15** Muñoz-Sánchez MA; Rodríguez-Rodríguez A; Egea-Guerrero JJ; Gordillo-Escobar E; Vilches-Arenas A; Carrillo-Vico A; Guerrero JM; Murillo-Cabeza F. Urotensinergic system genes in experimental subarachnoid hemorrhage. *Med Intensiva.* Jan - 9, pp. 30258 - 30263. 2017.

DOI: 10.1016/j.medin.2016.10.013

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 1.193

Position of publication: 31

Format: Journal

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

Corresponding author: No

Category: Critical Care and Intensive Care Medicine

Journal in the top 25%: No

No. of journals in the cat.: 33

- 16** Caballero-Velázquez T; Montero I; Sánchez-Guijo FM; Parody R; Saldaña R; Valcarcel D; López-Godino O; Ferra I Coll C; Carrillo-Vico A; Sánchez-Abarca LI; López-Corral L; Márquez-Malaver FJ; Pérez-Simón JA. Immunomodulatory effect of vitamin D after allogeneic stem cell transplantation: results of a prospective multicenter clinical trial. *Clin Cancer Res.* Jun - 29, pp. 5673 - 5681. 2016.

DOI: 10.1158/1078-0432.CCR-16-0238

Type of production: Scientific paper

Position of signature: 9

Total no. authors: 13

Impact source: ISI

Format: Journal

Corresponding author: No

Category: Science Edition - ONCOLOGY



Impact index in year of publication: 8.738
Position of publication: 12

Journal in the top 25%: Yes
No. of journals in the cat.: 213

- 17** Alvarez-Ríos AI; Guerrero JM; García-García FJ; Rodríguez-Mañas L; Medrano-Campillo P; de la Torre Lanza MA; Torre Lanza MA; Carrillo-Vico A. Associations between frailty and serum N-terminal propeptide of type I procollagen and 25-hydroxyvitamin D in older Spanish women: The Toledo Study for Healthy Aging. *Exp Gerontol.* Sep - 69, pp. 79 - 84. 2015.

DOI: 10.1016/j.exger.2015.05.011

Type of production: Scientific paper

Position of signature: 8

Total no. authors: 8

Impact source: ISI

Impact index in year of publication: 3.35

Position of publication: 12

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - GERIATRICS & GERONTOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 49

- 18** Medrano-Campillo P; Sarmiento-Soto H; Álvarez-Sánchez N; Álvarez-Ríos AI; Guerrero JM; Rodríguez-Prieto I; Castillo-Palma MJ; Lardone PJ; Carrillo-Vico A. Evaluation of the immunomodulatory effect of melatonin on the T-cell response in peripheral blood from systemic lupus erythematosus patients. *J Pineal Res.* Jan - 22, pp. 219 - 226. 2015.

DOI: 10.1111/jpi.12208

Type of production: Scientific paper

Position of signature: 9

Total no. authors: 9

Impact source: ISI

Impact index in year of publication: 9.314

Position of publication: 5

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - ENDOCRINOLOGY & METABOLISM

Journal in the top 25%: Yes

No. of journals in the cat.: 133

- 19** Álvarez-Sánchez N; Cruz-Chamorro I; López-González A; Utrilla JC; Fernández-Santos JM; Martínez-López A; Lardone PJ; Guerrero JM; Carrillo-Vico A. Melatonin controls experimental autoimmune encephalomyelitis by altering the T effector/regulatory balance. *Brain Behav Immun.* Nov - 50, pp. 101 - 114. 2015.

DOI: 10.1016/j.bbi.2015.06.021

Type of production: Scientific paper

Position of signature: 9

Total no. authors: 9

Impact source: ISI

Impact index in year of publication: 5.874

Position of publication: 35

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - NEUROSCIENCES

Journal in the top 25%: Yes

No. of journals in the cat.: 252

- 20** Garcia-Marin R; Fernandez-Santos JM; Morillo-Bernal J; Gordillo-Martinez F; Vazquez-Roman V; Utrilla JC; Carrillo-Vico A; Guerrero JM; Martin-Lacave I. Melatonin in the thyroid gland: regulation by thyroid-stimulating hormone and role in thyroglobulin gene expression. *J Physiol Pharmacol.* Oct - 65, pp. 643 - 652. 2015.

PMID: 26579570

Type of production: Scientific paper

Position of signature: 7

Total no. authors: 9

Format: Journal

Corresponding author: No



Impact source: ISI
Impact index in year of publication: 2.804
Position of publication: 31

Category: Science Edition - PHYSIOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 83

- 21** López-González A; Álvarez-Sánchez N; Lardone PJ; Cruz-Chamorro I; Martínez-López A; Guerrero JM; Reiter RJ; Carrillo-Vico A. Melatonin treatment improves primary progressive multiple sclerosis: a case report. J Pineal Res. Dec - 24, pp. 173 - 177. 2015.

Type of production: Scientific paper
Position of signature: 8

Total no. authors: 8
Impact source: ISI

Impact index in year of publication: 9.314
Position of publication: 5

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Science Edition - ENDOCRINOLOGY & METABOLISM
Journal in the top 25%: Yes
No. of journals in the cat.: 133

- 22** de Pablo-Bernal RS; Cañizares J; Rosado I; Galvá MI; Alvarez-Ríos AI; Carrillo-Vico A; Ferrando-Martínez S; Muñoz-Fernández MA; Rafii-El-Idrissi Benhnia M; Pacheco YM; Ramos R; Leal M; Ruiz-Mateos E. Monocyte Phenotype and Polyfunctionality Are Associated With Elevated Soluble Inflammatory Markers, Cytomegalovirus Infection, and Functional and Cognitive Decline in Elderly Adults. J Gerontol A Biol Sci Med Sci. Aug - 18, pp. 610 - 618. 2015. ISSN 1758-535X

DOI: 10.1093/gerona/glv121
Type of production: Scientific paper
Position of signature: 6

Total no. authors: 13
Impact source: ISI

Impact index in year of publication: 5.476
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 - GERIATRICS & GERONTOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 49

- 23** Rodríguez-Rodríguez, A; Egea-Guerrero JJ; Murillo-Cabezas, F; Carrillo-Vico, A. Oxidative stress in traumatic brain injury. Curr Med Chem. Apr;21 - 10, pp. 1201 - 1211. 2014.

Type of production: Scientific paper
Position of signature: 4

Total no. authors: 4
Impact source: ISI

Impact index in year of publication: 4,070
Position of publication: 5

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Science Edition - CHEMISTRY, MEDICINAL
Journal in the top 25%: Yes
No. of journals in the cat.: 59

- 24** Ferrando-Martinez, Sara; Leal, Manuel; Muñoz-Fernandez, Maria Angeles; Delgado, Juan; De la Rosa, Rafael; Carrillo-Vico, A; Alvarez-Rios, Ana; Rosado, Isaac; De Pablo, Rebeca. TNF- α levels in HIV-infected patients after long-term suppressive cART persist as high as in elderly, HIV-uninfected subjects. Journal of Antimicrobial Chemotherapy. Nov - 69(11), pp. 3041 - 3046. Oxford University Press, 2014.

Type of production: Scientific paper
Position of signature: 6

Total no. authors: 9
Impact source: ISI

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Category: Infectious Diseases

Impact index in year of publication: 5.439
Position of publication: 6

Journal in the top 25%: Yes
No. of journals in the cat.: 72

- 25** Lardone, PJ; Álvarez-Sánchez, N; Guerrero, JM; Carrillo-Vico, A. Melatonin and Glucose Metabolism: Clinical Relevance. *Curr Pharm Des. Nov - 18*, pp. 4841 - 4853. 2013.

Type of production: Scientific paper
Position of signature: 4

Format: Journal

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

Total no. authors: 4

Corresponding author: Yes

Impact source: ISI

Category: PHARMACOLOGY & PHARMACY

Impact index in year of publication: 3,311

Journal in the top 25%: Yes

Position of publication: 65

No. of journals in the cat.: 261

- 26** Carrillo-Vico, A; Lardone, PJ; Alvarez-Sanchez, N; Rodriguez-Rodriguez, A; Guerrero, JM. Melatonin: buffering the immune system. *Int J Mol Sci. Apr 22 - 14(4)*, pp. 8638 - 8683. 2013.

Type of production: Scientific paper
Position of signature: 1

Format: Journal

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

Total no. authors: 5

Corresponding author: Yes

Impact source: ISI

Category: Science Edition - CHEMISTRY, MULTIDISCIPLINARY

Impact index in year of publication: 2,464

Journal in the top 25%: No

Position of publication: 48

No. of journals in the cat.: 152

- 27** Garcia-Marin, R; De Miguel, M; Fernández-Santos, JM; Carrillo-Vico, A; Utrilla, JC; Morillo-Bernal, JM; Díaz, E; Rodriguez-Prieto, I; Guerrero, JM; Martín-Lacave, I. Melatonin-synthesizing enzymes and melatonin receptors in rat thyroid cells. *Histology and histopathology. 27*, pp. 1429 - 1438. 2012.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - PATHOLOGY

Impact index in year of publication: 2,281

Journal in the top 25%: No

Position of publication: 30

No. of journals in the cat.: 77

- 28** Rodriguez-Rodriguez, A; Leon-Justel, A; Carrillo-Vico, A; Guerrero, JM. Role of S100B protein in urine and serum as an early predictor of mortality after severe traumatic brain injury in adults. *Clin Chim Acta. Dec - 24*, pp. 228 - 233. 2012.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - MEDICAL LABORATORY TECHNOLOGY

Impact index in year of publication: 2,85

Journal in the top 25%: Yes

Position of publication: 6

No. of journals in the cat.: 32

- 29** Regodon, S; Ramos, A; Miguez, M; Carrillo-Vico, A; Rosado, J; Jardin, I. Vaccination prepartum enhances the beneficial effects of melatonin on the immune response and reduces platelet responsiveness in sheep. *BMC veterinary research. June 20 - 8(84)*, pp. 1 - 8. 2012.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - VETERINARY SCIENCES

Impact index in year of publication: 1,861

Journal in the top 25%: Yes

Position of publication: 18

No. of journals in the cat.: 143



- 30** Cabrera-Alarcon, JL; Carrillo-Vico, A; Santotoribio, JD; Leon-Justel, A; Sanchez-Gil, R; Gonzalo-Castro, A; Guerrero, JM. CYFRA 21-1 as a Tool for Distant Metastasis Detection in Lung Cancer. Clin Lab. 57 - 11-12, pp. 1011 - 1014. 2011.
Type of production: Scientific paper **Format:** Journal
- 31** Lardone, PJ; Guerrero, JM; Fernández-Santos, JM; Rubio, A; Martín-Lacave, I; Carrillo-Vico, A. Melatonin synthesized by T lymphocytes as a ligand of the retinoic acid-related orphan receptor. J Pineal Res. Nov - 51(4), pp. 454 - 462. 2011.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - PHYSIOLOGY
Impact index in year of publication: 5.794 **Journal in the top 25%:** Yes
Position of publication: 5 **No. of journals in the cat.:** 79
- 32** Leech, MD; Carrillo-Vico, A; Anderton, SM. Recognition of a high affinity MHC class I-restricted epitope of myelin oligodendrocyte glycoprotein by CD8+ T cells derived from autoantigen-deficient mice. Front Immunol. May 24 - 2:17, 2011.
Type of production: Scientific paper
Impact source: ISI **Category:** Immunology
Impact index in year of publication: 5.695 **Journal in the top 25%:** Yes
Position of publication: 25 **No. of journals in the cat.:** 151
- 33** Lardone, PJ; Rubio, A; Cerrillo-Garcia, I; Gómez-Corvera, A; Carrillo-Vico, A; Sánchez-Hidalgo, Marina; Guerrero, JM; Fernández-Riejos, P; Sánchez-Margalet, V; Molinero, P. Blocking of melatonin synthesis and MT1 receptor impairs the activation of Jurkat T cells. Cell Mol Life Sci. 67 - 18, pp. 3163 - 3172. 2010.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY
Impact index in year of publication: 7.047 **Journal in the top 25%:** Yes
Position of publication: 35 **No. of journals in the cat.:** 286
- 34** Carrillo-Vico, A; Leech, MD; Anderton, SM. Contribution of myelin autoantigen citrullination to T cell autoaggression in the central nervous system. J Immunol. Mar 15 - 184(6), pp. 2839 - 2846. 2010.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - IMMUNOLOGY
Impact index in year of publication: 5.745 **Journal in the top 25%:** Yes
Position of publication: 20 **No. of journals in the cat.:** 134
- 35** Lardone, PJ; Carrillo-Vico, A; Molinero, P; Rubio, A; Guerrero, JM. A novel interplay between membrane and nuclear melatonin receptors in human lymphocytes: significance in IL-2 production. Cell Mol Life Sci. Feb - 66(3), pp. 516 - 525. 2009.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY
Impact index in year of publication: 6,09 **Journal in the top 25%:** Yes
Position of publication: 38 **No. of journals in the cat.:** 283
- 36** Jiménez-Jorge, S; Guerrero, JM; Jiménez-Caliani, A; Naranjo, MC; Lardone, PJ; Carrillo-Vico, A; Osuna, C; Molinero, P. Evidence for melatonin synthesis in the rat brain during development. J Pineal Res. 42 - 3, pp. 240 - 246. 2007.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 4.098
Position of publication: 12

Format: Journal
Category: Science Edition - PHYSIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 78

- 37** Naranjo, MC; Guerrero, JM; Rubio, A; Lardone, PJ; Carrillo-Vico, A; Carrascosa, MP; Jiménez-Jorge, S; Arellano, MV; Leal, SR; Leal, Manuel; Lissen, E; Molinero, P. Melatonin biosynthesis in the thymus of humans and rats. *Cell Mol Life Sci.* 64 - 6, pp. 781 - 790. 2007.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 5.239
Position of publication: 45

Format: Journal
Category: Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 263

- 38** Lardone, PJ; García-Álvarez, O; Carrillo-Vico, A; Vega-Naredo, I; Caballero, Beatriz; Guerrero, JM; Coto, Ana. Inverse correlation between endogenous melatonin levels and oxidative damage in some tissues of SAM P8 mice. *J Pineal Res.* 40 - 2, pp. 153 - 157. 2006.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 4.228
Position of publication: 12

Format: Journal
Category: Science Edition - PHYSIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 78

- 39** Lardone, PJ; Carrillo-Vico, A; Naranjo, MC; De Felipe, B; Vallejo, A; Karasek, M; Guerrero, JM. Melatonin synthesized by Jurkat human leukemic T cell line is implicated in IL-2 production. *J Cell Physiol.* 206 - 1, pp. 273 - 279. 2006.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 3.638
Position of publication: 21

Format: Journal
Category: Science Edition - PHYSIOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 78

- 40** Carrillo-Vico, A; Reiter, RJ; Lardone, PJ; Herrera, JL; Fernández-Montesinos, R; Guerrero, JM; Pozo, D. The modulatory role of melatonin on immune responsiveness. *Curr Opin Investig Drugs.* 7 - 5, pp. 423 - 431. 2006.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 3,553
Position of publication: 54

Format: Journal
Category: Science Edition - PHARMACOLOGY & PHARMACY
No. of journals in the cat.: 261

- 41** Carrillo-Vico, A; Guerrero, JM; Lardone, PJ; Reiter, RJ. A review of the multiple actions of melatonin on the immune system. *Endocrine.* 27 - 2, pp. 189 - 200. 2005.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 1.772

Format: Journal

- 42** Carrillo-Vico, A; Lardone, PJ; Naji, L; Fernández-Santos, JM; Martín-Lacave, I; Guerrero-Montávez, Juan Miguel; Calvo-Gutiérrez, Juan Ramón. Beneficial pleiotropic actions of melatonin in an experimental model of septic shock in mice: regulation of pro-/anti-inflammatory cytokine network, protection against oxidative damage and anti-apoptotic effects. *J Pineal Res.* 39 - 4, pp. 400 - 408. 2005.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 5.025
Position of publication: 4

Format: Journal
Category: Science Edition - PHYSIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 75

- 43** Carrillo-Vico, A; Lardone-, PJ; Fernández-Santos, JM; Martín-Lacave, I; Calvo, JR; Karasek, M; Guerrero, JM. Human lymphocyte-synthesized melatonin is involved in the regulation of the interleukin-2/interleukin-2 receptor system. *J Clin Endocrinol Metab.* 90 - 2, pp. 992 - 1000. 2005.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 6.020
Position of publication: 8

Format: Journal
Category: Science Edition - ENDOCRINOLOGY & METABOLISM
Journal in the top 25%: Yes
No. of journals in the cat.: 89

- 44** Jiménez-Jorge, S; Jiménez-Caliani, AJ; Guerrero, JM; Naranjo, MC; Lardone, PJ; Carrillo-Vico, A; Osuna, C; Molinero, P. Melatonin synthesis and melatonin-membrane receptor MT1 expression during rat thymus development: role of the pineal gland. *J Pineal Res.* 39 - 1, pp. 77 - 83. 2005.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 5.025
Position of publication: 4

Format: Journal
Category: Science Edition - PHYSIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 75

- 45** De Miguel, M; Fernández-Santos, JM; Utrilla, JC; Carrillo-Vico, A; Borrero, J; Conde, E; Guerrero, JM; Martín-Lacave, I. Thyrotropin-releasing hormone receptor expression in thyroid follicular cells: a new paracrine role of C-cells?. *Histol Histopathol.* 20 - 3, pp. 713 - 718. 2005.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.023
Position of publication: 27

Format: Journal
Category: Science Edition - PATHOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 66

- 46** Carrillo-Vico, A; Calvo, JR; Abreu,P; Lardone, PJ; García-Mauriño, S; Reiter, RJ; Guerrero, JM. Evidence of melatonin synthesis by human lymphocytes and its physiological significance: possible role as intracrine, autocrine, and/or paracrine substance. *FASEB J.* 18 - 3, pp. 537 - 539. 2004.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 6.820
Position of publication: 2

Format: Journal
Category: BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 64

- 47** Najj, L; Carrillo-Vico, A; Guerrero, JM; Calvo, JR. Expression of membrane and nuclear melatonin receptors in mouse peripheral organs. *Life Sci.* 74 - 18, pp. 2227 - 2236. 2004.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.158
Position of publication: 26

Format: Journal
Category: Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL
Journal in the top 25%: No
No. of journals in the cat.: 71



- 48** Carrillo-Vico, A; García-Pergañeda, A; Naji, L; Calvo, JR; Guerrero, JM. Expression of membrane and nuclear melatonin receptor mRNA and protein in the mouse immune system. *Cell Mol Life Sci.* 60 - 10, pp. 2272 - 2278. 2003.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - CELL BIOLOGY
Impact index in year of publication: 4.995 **Journal in the top 25%:** Yes
Position of publication: 31 **No. of journals in the cat.:** 156
- 49** Carrillo-Vico, A; García-Mauriño, S; Calvo, JR; Guerrero, JM. Melatonin counteracts the inhibitory effect of PGE2 on IL-2 production in human lymphocytes via its MT1 membrane receptor. *FASEB J.* Apr 17 - 6, pp. 755 - 757. 2003.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** BIOLOGY
Impact index in year of publication: 7.172 **Journal in the top 25%:** Yes
Position of publication: 1 **No. of journals in the cat.:** 65
- 50** Vazquez, MA; Montoya, MJ; Gomez De Tejada, MJ; Moruno, RM; Perez-Cano, Ramon; Carrillo-Vico, A; Guerrero, JM. Niveles séricos de osteoprotegerina en mujeres sanas y osteoporóticas. *Revista española de enfermedades metabólicas óseas.* 12 - 3, pp. 63 - 67. 2003.
Type of production: Scientific paper
- 51** Calvo-Gutiérrez, JR; Guerrero, JM; Osuna, C; Molinero, P; Carrillo-Vico, A. Administration of melatonin triggers Crohn's disease symptoms. *J Pineal Res.* 32, pp. 277 - 278. 2002.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - ANATOMY & MORPHOLOGY
Impact index in year of publication: 3.913 **Journal in the top 25%:** Yes
Position of publication: 1 **No. of journals in the cat.:** 17
- 52** Karasek, M; Carrillo-Vico, A; J; Winczyk, K.; Pawlikowski, M.. Expression of melatonin MT1 and MT2 receptors, and ROR alpha(1) receptor in transplantable murine colon 38 cancer. *Neuro Endocrinol Lett.* 23, pp. 55 - 60. 2002.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - ENDOCRINOLOGY & METABOLISM
Impact index in year of publication: 1.278 **Journal in the top 25%:** No
Position of publication: 108 **No. of journals in the cat.:** 124
- 53** Guerrero, JM; Pozo, D; García-Mauriño, S; Carrillo-Vico, A; Osuna, C; Molinero, P; Calvo, JR. Nuclear receptors are involved in the enhanced IL-6 production by melatonin in U937 cells. *Biol Signals Recept.* 9 - 3-4, pp. 197 - 202. 2000.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - BIOPHYSICS
Impact index in year of publication: 2.278 **Journal in the top 25%:** No
Position of publication: 30 **No. of journals in the cat.:** 66
- 54** García-Mauriño, S; Pozo, D; Carrillo-Vico, A; Calvo, JR; Guerrero, JM. Melatonin activates Th1 lymphocytes by increasing IL-12 production. *Life Sci.* 65 - 20, pp. 2143 - 2150. 1999. ISSN 0024-3205
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** BIOLOGY



Impact index in year of publication: 1.774
Position of publication: 16

Journal in the top 25%: No
No. of journals in the cat.: 53

- 55** García-Pergañeda, A; Romero, MP; Osuna, C; Guerrero, JM; Carrillo-Vico, A. The pineal secretory product melatonin reduces hydrogen peroxide-induced DNA damage in U-937 cells. *J Pineal Res.* May - 26(4), pp. 227 - 235. 1999.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - ANATOMY & MORPHOLOGY
Impact index in year of publication: 2,571 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 19
- 56** Antonio Carrillo Vico. La melatonina: mucho más que un regulador biológico. *Revista Hidden-Nature.* 4, pp. 17180 - 17181. 2018.
Type of production: Popular science article **Format:** Journal
Corresponding author: Yes
- 57** Melatonin: from darkness to therapy. *Government.* February 2016 - 17, pp. 199 - 199. *Pan European Networks,* 2016.
Type of production: Popular science article **Format:** Journal
Corresponding author: Yes
- 58** Guerrero, JM; Carrillo-Vico, A; Lardone-, PJ. La Melatonina. *Investigación y ciencia.* pp. 30 - 37. 2007.
Type of production: Popular science article **Format:** Journal
- 59** Lardone, PJ; Alvarez-Sanchez, N; Rodriguez-Rodriguez, A; Guerrero, JM; Carrillo-Vico, A. Multiple Facets of Melatonin in Immunity: Clinical Applications. *Melatonin and Melatonergic Drugs in Clinical Practice.* Springer, 2014.
Type of production: Book chapter **Format:** Book
Position of signature: 5 **Degree of contribution:** Author or co-author of chapter in book
Total no. authors: 5 **Corresponding author:** Yes
- 60** Carrillo-Vico, A; Guerrero, JM; Lardone, PJ. A wide range of melatonin actions in the immune system. Melatonin: present and future. pp. 59 - 87. *Nova Publishers,* 2007. ISBN 1-60021-374-X
Type of production: Book chapter **Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 61** Guerrero, JM; Pozo, D; Carrillo-Vico, A; Molinero, P; Osuna, C; Calvo, JR. Mechanisms involved in the immunomodulatory effects of melatonin on the human immune system. *The pineal gland and cancer.* pp. 408 - 416. *Springer,* 2000. ISBN 978-3-642-64003-2
Type of production: Book chapter **Format:** Book
Degree of contribution: Author or co-author of chapter in book
- 62** Carrillo-Vico, A; Lardone, PJ; Guerrero, JM. La Melatonina. ¿amiga o enemiga?. *La Melatonina. ¿amiga o enemiga?.* Editorial Académica Española, 2011. ISBN 978-38-44335-77-4
Type of production: Scientific book or monograph **Format:** Book
Degree of contribution: Author or co-author of entire book



- 63** Lardone-, PJ; Carrillo-Vico, A; Guerrero-Montávez, JM. Mecanismos de acción de la melatonina en linfocitos T. Mecanismos de acción de la melatonina en linfocitos T. Editorial Académica Española, 2011. Available on-line at: <<http://www.eae-publishing.com/>>. ISBN 978-3-8443-3534-7

Type of production: Scientific book or monograph **Format:** Book

Degree of contribution: Author or co-author of entire book

Works submitted to national or international conferences

- 1** **Title of the work:** Anxiolytic-like Effects of Lupinus angustifolios Protein Hydrolysates in Alzheimer Model Mice

Name of the conference: 1st International Electronic Conference on Food Science and Functional Foods

Type of participation: Participatory - oral communication

Corresponding author: Yes

Date of event: 10/11/2020

End date: 25/11/2020

Guillermo Santos-Sánchez; Eduardo Ponce-España; Ivan Cruz-Chamorro; Juan Carlos López-García; Ana Isabel Álvarez-López; Justo Pedroche; María Carmen Millán-Linares; Francisco Millán; Patricia Judith Lardone; Ignacio Bejarano; Juan Miguel Guerrero; Antonio Carrillo-Vico.

- 2** **Title of the work:** Efectos beneficiosos de hidrolizados proteicos de Lupinus angustifolius en el modelo animal de la enfermedad de hígado graso no alcohólico (EHGNA)

Name of the conference: IV congreso virtual FESNAD 2020

Type of participation: Participatory - oral communication

Corresponding author: Yes

Date of event: 03/11/2020

End date: 06/11/2020

Guillermo Santos Sánchez; Ivan Cruz Chamorro; osé María Fernández-Santos; Ana Isabel Álvarez-López; Soledad Fernández-Pachón; María del Carmen Millán-Linares; Justo Pedroche; Patricia Judith Lardone; Ignacio Bejarano; Antonio Carrillo-Vico.

- 3** **Title of the work:** Hidrolizados proteicos del altramuz tienen un efecto ansiolítico en el modelo animal de Alzheimer

Name of the conference: IV congreso virtual FESNAD 2020

Type of participation: Participatory - oral communication

Corresponding author: Yes

Date of event: 03/11/2020

End date: 06/11/2020

Ivan Cruz Chamorro; Guillermo Santos Sánchez; Eduardo Ponce-España; Juan Carlos López-García; Justo Pedroche; Francisco Millán; María Carmen Millán-Linares; Patricia Judith Lardone; Ignacio Bejarano; Antonio Carrillo-Vico.

- 4** **Title of the work:** Papel antiaterogénico de hidrolizados proteicos de altramuz

Name of the conference: IV congreso virtual FESNAD 2020

Type of participation: Participatory - oral communication

Corresponding author: Yes

Date of event: 03/11/2020

End date: 06/11/2020

Guillermo Santos Sánchez; Ivan Cruz Chamorro; Ana Isabel Álvarez-Ríos; Beatriz Rodríguez-Ortiz; Nuria Álvarez-Sánchez; Soledad Fernández-Pachón; María del Carmen Millán-Linares; Justo Pedroche; Francisco Millán; Antonio Carrillo-Vico.



- 5** **Title of the work:** Melatonin reduces disability in experimental autoimmune encephalomyelitis by impairing immune cells migration and entry into the CNS
Name of the conference: 8th Joint ACTRIMS-ECTRIMS Meeting
Corresponding author: Yes
Date of event: 11/09/2020
End date: 13/09/2020
A.I. Álvarez-López; I. Cruz-Chamorro; G. Santos-Sánchez; E. Ponce-España; J.M. Fernández-Santos; M.V. Vázquez-Román; I. Bejarano-Hernando; P.J. Lardone; N. Álvarez-Sánchez; A. Carrillo-Vico.
- 6** **Title of the work:** Antiatherogenic role of lupine (*Lupinus angustifolius*) protein hydrolysates in ApoE^{-/-} mice
Name of the conference: 17th Iberian Peptide Meeting
Type of participation: Participatory - oral communication
Corresponding author: Yes
Date of event: 05/02/2020
Guillermo Santos-Sánchez; Ivan Cruz-Chamorro; Ana Isabel Álvarez-Ríos; Beatriz Rodríguez Ortiz; Nuria Álvarez-Sánchez; Ana Isabel Álvarez-López; Francisco Mayo-León; Soledad Fernández Pachón; Justo Pedroche; Francisco Millán; Patricia Judith Lardone; Ignacio Bejarano; Juan Miguel Guerrero; Antonio Carrillo-Vico.
- 7** **Title of the work:** Efectos de la melatonina sobre la sinapsis inmune a lo largo de la encefalomiелitis autoinmune experimental, modelo animal de esclerosis múltiple
Name of the conference: XVI Foro de Investigadores: Ciencia y Comunicación a la Sociedad
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 30/01/2020
End date: 30/01/2020
Álvarez-Sánchez, Nuria; Alicia Martínez López; Cruz-Chamorro, Ivan; Álvarez, Ana Isabel; Mayo, Francisco; Santos-Sánchez, Guillermo; Lardone, Patricia; Guerrero, Juan Miguel; Antonio Carrillo Vico. "Efectos de la melatonina sobre la sinapsis inmune a lo largo de la encefalomiелitis autoinmune experimental, modelo animal de esclerosis múltiple".
- 8** **Title of the work:** Melatonin as a potential therapeutic agent in multiple sclerosis. From the bench to the bedside
Name of the conference: II International Workshop: Inflammation and immunity: from Bench to Clinic
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 01/07/2019
End date: 01/07/2019
Organising entity: Universidad de Sevilla **Type of entity:** University
"Melatonin as a potential therapeutic agent in multiple sclerosis. From the bench to the bedside".
- 9** **Title of the work:** Immunomodulatory effects of melatonin
Name of the conference: XXXIX Congreso de la Sociedad Española de Ciencias Fisiológicas (SECF)
Type of event: Conference
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Cádiz, Spain
Date of event: 18/09/2018
End date: 21/09/2018
With external admission assessment committee: Yes



A. Carrillo-Vico; N. Álvarez-Sánchez; A Isabel Álvarez-López; I. Cruz-Chamorro; P.J. Lardone; A. Martínez-López; G. Santos-Sánchez; B. Rodríguez-Ortiz.

- 10 Title of the work:** Esclerosis Múltiple
Name of the conference: DIÁLOGOS CLÍNICOS EN EL LABORATORIO. La respuesta del laboratorio clínico a los desafíos de la enfermedad neurológica
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 06/06/2018
End date: 06/06/2018
"Esclerosis Múltiple".
- 11 Title of the work:** Melatonin as a therapeutic tool in Multiple Sclerosis
Name of the conference: 1st Workshop on Melatonin
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Granada, Andalusia, Spain
Date of event: 27/09/2017
End date: 27/09/2017
"Melatonin as a therapeutic tool in Multiple Sclerosis".
- 12 Title of the work:** Effect of Fermented Orange Juice Intake on Urinary 6-Sulfatoxymelatonin in Healthy Volunteers
Name of the conference: 19 th International Conference on Food Science and Nutrition
Corresponding author: No
City of event: Madrid, Community of Madrid, Spain
Date of event: 26/03/2017
End date: 27/03/2017
I Cerrillo; A Carrillo-Vico; A Ortega; B Escudero-López; N Álvarez-Sánchez; F Martín; MS Fernández-Pachón.
- 13 Title of the work:** Efecto de los polifenoles del aceite de ol
Name of the conference: XXXII Congreso Internacional SFML
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 14/09/2016
End date: 17/09/2016
Andrea Méndez-Gutiérrez; Nuria Álvarez-Sánchez; Iván Cruz-Chamorro; Antonio Carrillo-Vico; M^a Angeles Rosillo-Ramírez; Catalina Alarcón de la Lastra-Romero; Marina Sánchez Hidalgo.
- 14 Title of the work:** Anti-inflammatory and Neuroprotective Effects of Extra Virgin Olive Oil Polyphenol Extract in Experimental Autoimmune Encephalomyelitis
Name of the conference: VIII Jornadas de Jóvenes Farmacólogos de Andalucía
Corresponding author: No
City of event: Málaga, Andalusia, Spain
Date of event: 31/05/2016
End date: 31/05/2016
Andrea Méndez-Gutierrez; Nuria Álvarez-Sánchez; Iván Cruz-Chamorro; Antonio Carrillo-Vico; M^a Ángeles Rosillo-Ramírez; Catalina Alarcón de la Lastra-Romero; Marina Sánchez-Hidalgo.



- 15** **Title of the work:** A new anti-inflammatory peptide from *Lupinus Angustifolius* L. protein hydrolysate
Name of the conference: EuroFoodChem XVIII
Geographical area: European Union
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: Madrid, Spain
Date of event: 2015
Millán-Linares MC; Antonio Carrillo-Vico; Justo Pedroche; Francisco Millán; Yust MM.
- 16** **Title of the work:** Immunomodulatory and antioxidants effects of lupine protein hydrolysates on human peripheral blood mononuclear cells
Name of the conference: EuroFoodChem XVIII
Geographical area: European Union
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: Madrid, Spain
Date of event: 2015
Ivan Cruz Chamorro; Nuria Álvarez Sánchez; Justo Pedroche; Alicia Martínez López; Francisco Millán; Juan M. Guerrero; Antonio Carrillo-Vico.
- 17** **Title of the work:** Immunomodulatory effect of vitamin d after allogeneic stem cell transplantation (allosct): results of a prospective multicenter clinicaltrial. Alovita; eudract: 2010-023279-25
Name of the conference: 20th Congress of the European Hematology
Geographical area: European Union
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: Viena, Austria
Date of event: 2015
Teresa Caballero Velázquez; Isabel Montero Cuadrado; Fermín Sánchez Guijo; Rocio Parody Porras; David Valcárcel; Oriana López Godino; Christelle Ferra i Coll; Raquel Saldaña Moreno; Manuel Jurado; Marian Cuesta; Francisco Márquez Malaver; Antonio Carrillo Vico; Luis Ignacio Sánchez-Abarca Bernal; Lucia López Corral; José Antonio Pérez-Simón.
- 18** **Title of the work:** Melatonin modulates APC-T cell interaction in experimental autoimmune encephalomyelitis (EAE)
Name of the conference: FASEB Summer Research Conference. Melatonin Biology: Actions and Therapeutics
Geographical area: European Union
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: Lisboa, Portugal
Date of event: 2015
Ivan Cruz-Chamorro; Nuria Álvarez-Sánchez; Alicia Martínez-López; Antonio López-González; Patricia J. Lardone; Juan M. Guerrero; Antonio Carrillo-Vico.
- 19** **Title of the work:** Melatonin protects from the entry of pathogenic cells in the inflamed central nervous system of mice with EAE, the experimental model for Multiple Sclerosis
Name of the conference: FASEB Summer Research Conference. Melatonin Biology: Actions and Therapeutics
Geographical area: European Union
Type of participation: 'Participatory - poster' **Reasons for participation:** Review before acceptance
City of event: Lisboa, Portugal



Date of event: 2015

Alicia Martínez-López; Ivan Cruz-Chamorro; Nuria Álvarez-Sánchez; Patricia J. Lardone; Juan M. Guerrero; José C. Utrilla; José M. Fernández-Santos; Antonio Carrillo-Vico.

20 Title of the work: Melatonin reduces Th1 response in peripheral blood mononuclear cells from multiple sclerosis patients

Name of the conference: FASEB Summer Research Conference. Melatonin Biology: Actions and Therapeutics

Geographical area: European Union

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Lisboa, Portugal

Date of event: 2015

Nuria Álvarez-Sánchez; Ivan Cruz-Chamorro; Alicia Martínez-López; María Díaz-Sánchez; Patricia J. Lardone; Juan M. Guerrero; Helia Sarmiento-Soto; Pablo Medrano-Campillo; Antonio Carrillo-Vico.

21 Title of the work: Melatonin: a buffer of the immune system

Name of the conference: FASEB Summer Research Conference. Melatonin Biology: Actions and Therapeutics

Geographical area: European Union

Type of participation: Participatory - invited/keynote talk

Reasons for participation: Review before acceptance

City of event: Lisboa, Portugal

Date of event: 2015

Antonio Carrillo-Vico.

22 Title of the work: Cell free-DNA as potential biomarker of age deterioration. The Toledo Study for Healthy Aging

Name of the conference: American Association of Clinical Chemistry Annual Meeting

Geographical area: Non EU International

Type of participation: Participatory - poster

Reasons for participation: Review before acceptance

City of event: Houston, United States of America

Date of event: 2013

Alvarez-Rios, AI; Molinero, P; Macher, H; Guerrero, JM; Carrillo-Vico, A; Garcia-Garcia, FJ; Rodriguez-Mañas, L; Medrano-Campillo, P; Rubio, A.

23 Title of the work: Melatonin modulates the levels of proinflammatory cytokines IFN-g, TNF-a and IL-17 in peripheral lymphocytes of multiple sclerosis patients

Name of the conference: 22nd IUBMB & 37th FEBS Congress

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - poster

Reasons for participation: Review before acceptance

City of event: SEVILLA, Spain

Date of event: 2012

Type of contribution: Scientific paper

Alvarez-sánchez, N; Sarmiento -Soto, H; Medrano-Campillo, P; Lardone, PJ; Rodriguez-Rodriguez, A; Díaz-Sánchez, María; Carrillo-Vico, Antonio. En: FEBS Journal.

24 Title of the work: Relevance of melatonin in the immune response from peripheral lymphocytes of systemic lupus erythematosus patients

Name of the conference: 22nd IUBMB & 37th FEBS Congress



Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: European Union
Reasons for participation: Review before acceptance

City of event: SEVILLA, Spain

Date of event: 2012

Medrano-Campillo, P; Sarmiento -Soto, H; Álvarez-Sánchez, N; Lardone, PJ; Guerrero, JM; Castillo-Palma, MJ; Carrillo-Vico, A. En: FEBS Journal.

25 Title of the work: Evaluación de marcadores bioquímicos inflamatorios en fragilidad

Name of the conference: 5º Reunión Nacional de la SEMEG

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Toledo, Spain

Date of event: 2012

Alvarez-Rios, AI; Guerrero, JM; Romero-Aleta, J; Molinero, P; Carrillo-Vico, A.

26 Title of the work: Marcadores bioquímicos de remodelado óseo como determinantes de fragilidad

Name of the conference: 5º Reunión Nacional de la SEMEG

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: Toledo, Spain

Date of event: 2012

Alvarez-Rios, AI; Carrillo-Vico, A; Romero-Aleta, J; Rubio, A; Guerrero, JM.

27 Title of the work: Relevance of melatonin on the immune balance of peripheral lymphocytes from systemic lupus erythematosus patients (PONENCIA INVITADA)

Name of the conference: FASEB SUMMER RESEARCH CONFERENCE ON MELATONIN RECEPTORS: ACTIONS AND THERAPEUTICAL

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

Reasons for participation: Upon invitation

City of event: SNOWMASS, CO, United States of America

Date of event: 2011

Carrillo-Vico, A.

28 Title of the work: An encephalitogenic citrullinated neo-epitope of myelin oligodendrocyte glycoprotein immunodominant region emerges in ongoing EAE

Name of the conference: 14TH INTERNATIONAL CONGRESS OF IMMUNOLOGY

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: KOBE, Japan

Date of event: 2010

Carrillo-Vico, A; Leech,MD; Anderton,SM. En: 14TH INTERNATIONAL CONGRESS OF IMMUNOLOGY. pp. III85 - III85.

29 Title of the work: Análisis prospectivo del sistema melatoninérgico en pbmcs de enfermos con lupus eritematoso sistémico y sus implicaciones en la respuesta T

Name of the conference: XXXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR



Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: CÓRDOBA, Spain

Date of event: 2010

Medrano-Campillo, P; Carrillo-Vico, A; Álvarez-Ríos, AI; Cabrera-Alarcón, JL; Guerrero, JM. En: XXXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR. pp. 202 - 202.

30 Title of the work: Implicación de la melatonina en la producción de IL-17 por parte de células mononucleares de sangre periférica

Name of the conference: XXXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: CÓRDOBA, Spain

Date of event: 2010

Rodriguez-Rodriguez, A; Carrillo-Vico, A; Medrano-Campillo, P; Rubio, A; Guerrero, JM. En: XXXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR. pp. POR1715 - POR1715.

31 Title of the work: Melatonin biosynthesis in rat thyroid C-cells

Name of the conference: XXXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: CÓRDOBA, Spain

Date of event: 2010

García-Marin, R; De Miguel, M; Morillo-Bernal, J; Díaz, E; Utrilla, JC; Fernández-Santos, JM; Carrillo-Vico, A; Martín-Lacave, I. En: XXXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR. pp. 218 - 218.

32 Title of the work: Relevance of the melatonergic system on the inflammatory state of peripheral lymphocytes from systemic lupus erythematosus patients (PONENCIA INVITADA)

Name of the conference: BITs 1st Annual World Congress of Endocrinology

Type of event: Conference
Type of participation: Participatory - invited/keynote talk

Geographical area: Non EU International
Reasons for participation: Upon invitation

City of event: XIAMEN, China

Date of event: 2010

ANTONIO CARRILLO VICO.

33 Title of the work: Relevancia de los marcadores bioquímicos de remodelado óseo en fragilidad

Name of the conference: XXXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: CÓRDOBA, Spain

Date of event: 2010



Álvarez-Ríos, AI; Carrillo-Vico, A; Medrano-Campillo, P; Cabrera-Alarcón, JL; Molinero, P; JUAN MIGUEL GUERRERO MONTÁVEZ. En: XXXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR. pp. POR223 - POR223.

34 Title of the work: An essential role for the human lymphocyte-synthesized melatonin in the regulation of the IL-2/IL-2 receptor system

Name of the conference: X CONGRESS OF THE EPBRS

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: FRANKFURT, Germany

Date of event: 2005

Carrillo-Vico, A; Lardone-, PJ; Naranjo, MC; Gómez-Corvera, A; Rubio, A; Guerrero, JM. En: X. CONGRESS OF THE EPBRS. pp. 133 - 133.

35 Title of the work: Arylalkylamine N-Acetyltransferase expression in peripheral blood mononuclear cells from C57BL/6 inbred mice

Name of the conference: X CONGRESS OF THE EPBRS

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: FRANKFURT, Germany

Date of event: 2005

Gómez-Corvera, A; Molinero, P; Guerrero, JM; Naranjo, MC; Carrillo-Vico, A; Lardone, PJ; Rubio, A. En: X. CONGRESS OF THE EPBRS. pp. 134 - 134.

36 Title of the work: Evidence of melatonin synthesis by human lymphocytes and its physiological significance: possible role as intracrine, autocrine and/or paracrine substance

Name of the conference: X CONGRESS OF THE EPBRS

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: FRANKFURT, Germany

Date of event: 2005

Guerrero, JM; Carrillo-Vico, A; Lardone, PJ; Molinero, P; Rubio, A; Calvo, JR. En: X. CONGRESS OF THE EPBRS. pp. 132 - 132.

37 Title of the work: Melatonin synthesized by Jurkat human leukemic T cell line is implicated in IL-2 production

Name of the conference: X CONGRESS OF THE EPBRS

Type of event: Conference

Geographical area: European Union

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: FRANKFURT, Germany

Date of event: 2005

Lardone, PJ; Carrillo-Vico, A; Naranjo, MC; Molinero, P; Guerrero, JM. En: X. CONGRESS OF THE EPBRS. pp. 131 - 131.

38 Title of the work: An essential role for the human lymphocyte-synthesized melatonin in the regulation of IL-2/IL-2 receptor system

Name of the conference: XVII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR



Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: LLEIDA, Spain

Date of event: 2004

Carrillo-Vico, A; Lardone, PJ; Fernández-Santos, JM; Martín-Lacave, I; Naranjo, MC; Calvo, JR; Guerrero, JM. En: XXVII CONGRESO SEBBM. pp. 191 - 191.

39 Title of the work: Biosíntesis de melatonina en timo humano

Name of the conference: XXVII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: LLEIDA, Spain

Date of event: 2004

Naranjo, MC; Lardone, PJ; Carrillo-Vico, A; Naji, L; Gómez-Corvera, A; Guerrero, JM; Molinero, P. En: XXVII CONGRESO SEBBM. pp. 180 - 180.

40 Title of the work: Physiological role of endogenous melatonin in Jurkat cells

Name of the conference: XXVII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: LLEIDA,

Date of event: 2004

Lardone, PJ; Carrillo-Vico, A; Naranjo, MC; Guerrero, JM. En: XXVII CONGRESO SEBBM. pp. 191 - 191.

41 Title of the work: Expression of membrane and nuclear receptor in mouse peripheral organs

Name of the conference: XXVI CONGRESO DE LA SEBBM

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: LA CORUÑA, Spain

Date of event: 2003

Naji, L; Carrillo-Vico, A; Jiménez-Jorge, S; Jiménez-Caliani, A; Naranjo, MC; Bouzouf, M; Guerrero, JM; Calvo, JR. En: XXVI CONGRESO DE LA SEBBM. pp. 197 - 197.

42 Title of the work: Produccion de melatonina y presencia de su maquinaria biosintetica en timo de rata

Name of the conference: XXVI CONGRESO DE LA SEBBM

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: LA CORUÑA, Spain

Date of event: 2003

Naranjo, MC; Carrillo-Vico, A; Jiménez-Jorge, S; Jiménez-Caliani, A; Naji, L; Guerrero, JM; Molinero, P. En: XXVI CONGRESO DE LA SEBBM. pp. 197 - 197.

43 Title of the work: Producción de melatonina y presencia de su maquinaria biosintética en la línea celular Jurkat

Name of the conference: XXVI CONGRESO DE LA SEBBM



Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: LA CORUÑA, Spain

Date of event: 2003

Lardone, PJ; Carrillo-Vico, A; Guerrero, JM. En: XXVI CONGRESO DE LA SEBBM. pp. 197 - 197.

44 Title of the work: Proof of melatonin synthesis by human lymphocytes: its origin and physiological significance

Name of the conference: XXVI CONGRESO DE LA SEBBM

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: LA CORUÑA, Spain

Date of event: 2003

Carrillo-Vico, A; Lardone, PJ; Abreu, P; Calvo, JR; Guerrero, JM. En: XXVI CONGRESO DE LA SEBBM. pp. 208 - 208.

45 Title of the work: Expresion diferencial de los receptores de la melatonina en cerebro, timo e higado de rata. Estudios fetal y postnatal

Name of the conference: XXV CONGRESO NACIONAL DE LA SEBBM

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: LEÓN, Spain

Date of event: 2002

Jiménez-Jorge, S; Carrillo-Vico, A; Jiménez-Caliani, A; Molinero-Hueso, P; Osuna, C. En: XXV CONGRESO NACIONAL DE LA SEBBM. pp. 214 - 214.

46 Title of the work: La melatonina contrarresta el efecto inhibitorio de la prostaglandina E2 sobre la producción de interleuquina 2 via su receptor de membrana MT1

Name of the conference: XXV CONGRESO NACIONAL DE LA SEBBM

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: LEÓN, Spain

Date of event: 2002

Carrillo-Vico, A; García-Mauriño, S; Naji, L; Naranjo, MC; Calvo, JR; Guerrero, JM. En: XXV CONGRESO NACIONAL DE LA SEBBM. pp. 217 - 217.

47 Title of the work: Presencia de las dos enzimas clave involucradas en la sintesis de melatonina en timo de rata

Name of the conference: XXV CONGRESO NACIONAL DE LA SEBBM

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

Reasons for participation: Review before acceptance

City of event: LEÓN, Spain

Date of event: 2002

Naranjo-Gutiérrez, MC; Carrillo-Vico, A; Jiménez-Caliani, A; Naji, L; Molinero, P; Guerrero, JM. En: XXV CONGRESO NACIONAL DE LA SEBBM. pp. 247 - 247.



- 48** **Title of the work:** Regulation of IL-2 production by melatonin in human lymphocytes: a possible autocrine mechanism
Name of the conference: INTERNATIONAL SYMPOSIUM ON MELATONIN: CLINICAL SIGNIFICANCE AND THERAUTIC APPLICATION
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Upon invitation
City of event: Lodz, Poland
Date of event: 2001
Guerrero, JM; Carrillo-Vico, A; Pozo, D; Calvo, JR. En: ABSTRACTS OF THE INTERNATIONAL SYMPOSIUM ON MELATONIN: CLINICAL SIGNIFICANCE AND THERAUTIC APPLICATION. pp. 273 - 274.
- 49** **Title of the work:** Caracterizacion de receptores de membrana y nucleares para melatonina en timo y bazo de raton
Name of the conference: XXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUIMICA Y BIOLOGÍA MOLECULAR
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: GRANADA, Spain
Date of event: 2000
Carrillo-Vico, A; García-Pergañeda, A; Pozo, D; García-Mauriño, S; Jiménez-Caliani, A; Calvo, JR; Guerrero, JM. En: XXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR (SEBBM). pp. 156 - 156.
- 50** **Title of the work:** Expresion de los receptores de membrana de alta afinidad para melatonina mel1a y mel1b en macrófagos peritoneales de raton
Name of the conference: XXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUIMICA Y BIOLOGÍA MOLECULAR
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: GRANADA, Spain
Date of event: 2000
García-Pergañeda, A; Carrillo-Vico, A; Romero,MP; Pozo, D; Jiménez-Jorge, S; Guerrero, JM; Calvo, JR. En: XXIII CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOQUÍMICA Y BIOLOGÍA MOLECULAR (SEBBM). pp. 157 - 157.
- 51** **Title of the work:** Melatonin activates Th1 lymphocytes by increasing il-12 production
Name of the conference: THE 4TH INTERNATIONAL CONGRESS OF THE INTERNATIONAL SOCIETY FOR NEUROIMMUNOMODULATION
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance
City of event: LUGANO, Switzerland
Date of event: 1999
Carrillo-Vico, A; García-Mauriño, S; Pozo, D; Calvo, JR; Guerrero, JM. En: NEUROIMMUNOMODULATION. ABSTRACTS OF THE 4TH INTERNATIONAL CONGRESS OF THE INTERNATIONAL SOCIETY FOR NEUROIMMUNOMODULATION,. pp. 448 - 448.
- 52** **Title of the work:** Nuclear receptor-mediated action of melatonin on human immune system
Name of the conference: THE 4TH INTERNATIONAL CONGRESS OF THE INTERNATIONAL SOCIETY FOR NEUROIMMUNOMODULATION



Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: Non EU International
Reasons for participation: Review before acceptance

City of event: LUGANO, Switzerland
Date of event: 1999

García-Mauriño, S; Pozo, D; Carrillo-Vico, A; Calvo, JR; Guerrero, JM. En: NEUROIMMUNOMODULATION. ABSTRACTS OF THE 4TH INTERNATIONAL CONGRESS OF THE INTERNATIONAL SOCIETY FOR NEUROIMMUNOMODULATION,. pp. 450 - 451.

53 Title of the work: The pineal hormone melatonin reduces hydrogen peroxide-induced dna damage in U-937 cells

Name of the conference: THE 4TH INTERNATIONAL CONGRESS OF THE INTERNATIONAL SOCIETY FOR NEUROIMMUNOMODULATION

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: Non EU International
Reasons for participation: Review before acceptance

City of event: LUGANO, Switzerland
Date of event: 1999

Romero,MP; Osuna, C; García-Pergañeda, A; Carrillo-Vico, A; Guerrero, JM. En: NEUROIMMUNOMODULATION. ABSTRACTS OF THE 4TH INTERNATIONAL CONGRESS OF THE INTERNATIONAL SOCIETY FOR NEUROIMMUNOMODULATION,. pp. 451 - 451.

54 Title of the work: Caracterizacion del receptor de membrana para la melatonina en macrofagos peritoneales de raton

Name of the conference: XXI CONGRESO DE LA SCIEDAD ESPAÑOLA DE BIOQUIMICA Y BIOLOGIA MOLECULAR

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: SEVILLA, Spain
Date of event: 1998

García-Pergañeda, A; Romero,MP; Rafii-El-Idrissi, R; Carrillo-Vico, A; Guerrero, JM; Calvo-Gutiérrez, Juan Ramón. En: XXI CONGRESO DE LA SEBBM. SEVILLA, 1998.. pp. 154 - 154.

55 Title of the work: Caracterizacion del receptor de membrana para la melatonina en timocitos y esplenocitos de raton

Name of the conference: XXI CONGRESO DE LA SCIEDAD ESPAÑOLA DE BIOQUIMICA Y BIOLOGIA MOLECULAR

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: SEVILLA, Spain
Date of event: 1998

Carrillo-Vico, A; García-Pergañeda, A; Pozo, D; Calvo, JR; Guerrero, JM. En: XXI CONGRESO DE LA SEBBM. SEVILLA, 1998.. pp. 155 - 155. 1998.

56 Title of the work: Efecto de la melatonina frente al daño en el adn producido por radicales libres

Name of the conference: XXI CONGRESO DE LA SCIEDAD ESPAÑOLA DE BIOQUIMICA Y BIOLOGIA MOLECULAR

Type of event: Conference
Type of participation: 'Participatory - poster

Geographical area: National
Reasons for participation: Review before acceptance

City of event: SEVILLA, Spain



Date of event: 1998

Romero,MP; García-Pergañeda, A; Carrillo-Vico, A; Bettahi, I; Osuna, C; Guerrero, JM. En: XXI CONGRESO DE LA SEBBM. SEVILLA, 1998.. pp. 100 - 100.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Editor del número especial "of the Special Issue "Health Properties of Plant Bioactive Compounds: Immune, Antioxidant and Metabolic Effects" de la revista International Journal of Molecular Sciences
Start-End date: 02/11/2020 - 01/11/2021
- 2** **Committee title:** MIEMBRO DEL COMITÉ CIENTÍFICO DE LA REVISTA JOURNAL OF PINEAL RESEARCH
Start-End date: 2012 - 2018
- 3** **Committee title:** Revisor de la Revista: ANTIOXIDANT
Start date: 2021
- 4** **Committee title:** Revisor de la revista EXPERIMENTAL GERONTOLOGY
Start date: 2018
- 5** **Committee title:** Revisor de la revista BIOESSAYS
Start date: 2016
- 6** **Committee title:** Revisor de la revista: JOURNAL OF NEUROLOGICAL SCIENCES
Start date: 2016
- 7** **Committee title:** Revisor de la revista: OXIDATIVE MEDICINE AND CELLULAR LONGEVITY
Start date: 2016
- 8** **Committee title:** Revisor de la revista MOLECULAR NEURODEGENERATION
Start date: 2015
- 9** **Committee title:** Revisor de la Revista: ANNUAL REVIEW AND RESEARCH IN BIOLOGY
Start date: 2013
- 10** **Committee title:** Revisor de la Revista: BRITISH JOURNAL OF MEDICINE AND MEDICAL RESEARCH
Start date: 2013
- 11** **Committee title:** Revisor de la Revista: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES
Start date: 2013



- 12** **Committee title:** Revisor de la Revista: REPRODUCTIVE BIOLOGY AND ENDOCRINOLOGY
Start date: 2013
- 13** **Committee title:** Revisor de la revista: HORMONE AND METABOLIC RESEARCH
Start date: 2013
- 14** **Committee title:** Revisor de la Revista: CHRONOBIOLOGY INTERNATIONAL
Start date: 2012
- 15** **Committee title:** Revisor de la Revista: GENE
Start date: 2012
- 16** **Committee title:** Revisor de la Revista: JOURNAL OF NEUROIMMUNOLOGY
Start date: 2012
- 17** **Committee title:** Revisor de la Revista: JOURNAL OF NANOPARTICLE RESEARCH
Start date: 2009
- 18** **Committee title:** Revisor de la Revista: JOURNAL OF PEDIATRIC BIOCHEMISTRY
Start date: 2009
- 19** **Committee title:** Revisor de la Revista: ACTA NEUROLOGICA SCANDINAVICA
Start date: 2008
- 20** **Committee title:** Revisor de la Revista: CRITICAL CARE MEDICINE
Start date: 2007
- 21** **Committee title:** Revisor de la Revista: JOURNAL OF PINEAL RESEARCH
Start date: 2005
- 22** **Committee title:** Miembro de la Sociedad Española de Bioquímica y Biología Molecular
Start date: 21/05/1998

Other achievements

Stays in public or private R&D centres

Entity: Universidad de Edimburgo

Faculty, institute or centre: Institute of Immunology and Infection Research

City of entity: EDIMBURGO; REINO UNIDO,

Start date: 01/12/2006

Duration: 731 days

Goals of the stay: Post-doctoral

Provable tasks: Beca Postdoctoral FEBS

Prizes, mentions and distinctions

- Description:** Premio al mejor artículo científico del mes de junio de la Facultad de Medicina (2020)

Awarding entity: Facultad de Medicina

Type of entity: University Centres and Structures and Associated Bodies

City awarding entity: Sevilla

Conferral date: 15/07/2020
- Description:** Premio Anual al Mejor Artículo Científico del curso 2018/2019 de la Facultad de Medicina de la Universidad de Sevilla

Awarding entity: Facultad de Medicina

Type of entity: University Centres and Structures and Associated Bodies

City awarding entity: Sevilla

Conferral date: 03/02/2020
- Description:** Premio al mejor artículo científico del mes de junio de la Facultad de Medicina (2019)

Awarding entity: Facultad de Medicina

Type of entity: University Centres and Structures and Associated Bodies

City awarding entity: Sevilla

Conferral date: 16/09/2019
- Description:** Premio al mejor artículo científico del mes de febrero de la Facultad de Medicina (2019)

Awarding entity: Facultad de Medicina

Type of entity: University Centres and Structures and Associated Bodies

City awarding entity: Sevilla

Conferral date: 15/03/2019
- Description:** Poster Presentation Award. FASEB Science Research Conference: Melatonin Biology: Actions and Therapeutics. Lisboa 2015

Awarding entity: Federation of American Societies for Experimental Biology (FASEB)

Type of entity: Associations and Groups

Conferral date: 24/07/2015
- Description:** Premio Extraordinario de Doctorado

Awarding entity: Universidad de Sevilla

Type of entity: University

Conferral date: 24/03/2008



7 **Description:** Premio a la mejor comunicación en las III jornadas de investigación del Área Hospitalaria Virgen Macarena

Awarding entity: Hospital Universitario Virgen Macarena

Type of entity: Healthcare Institutions

Conferral date: 01/12/2005