



Daniel Sepúlveda Crespo

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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.

During his complete scientific career as a researcher (2012-2023), he has achieved:

- Total publications: 30
- Total publications in the first quartile/ first decile (Q1/D1): 27 (90.0%)/11 (36.7%)
- Total publications as first/second author: 19 (63.3%)/6 (20.0%)
- Index h (WoS/Scopus): 12/12
- Sum of Times Cited (WoS/Scopus): 443/471
- Average citations per year: 47.33/47.78
- Cumulative Impact Factor: 203.6
- Average Impact Factor: 6.45
- Dissemination: 3 book chapters, 9 reviews, 1 encyclopedic article, 1 short article (The Conversation), 1 media interview (ISCIII)
- Open Science: RepiSalud, ResearchGate
- Works submitted to national/international conferences: 37 (28/9)
- Funding (over 1M€): 6 research projects (5 national (4 FIS, 1 CAM) and 1 international (CYTED))
- Co-operation networks: 1 CIBERINFEC (2022), 1 IMIENS (2022), 3 AIDS Research Network (RIS; 2013-2018, 2019-2021)
- Research training contracts: 4 (2021 (Sara Borrell), 2019-20/2020-21 (ONCE/FSE Foundation), 2018 (FEDER/JCyL))
- Technological experience: 1 patent (ES2657282A1)
- Direction & Supervision: 1 Ph.D. (2022-in progress), 6 Master's Thesis (2014, 2015(2), 2016, 2021, 2022) and one Final Degree Project (2017)
- Teaching activity: a) University courses: Universidad de León (51h), Universidad Complutense de Madrid (2h); b) Seminars: IBIOMED, RedRIS
- Accreditation in the figure of Assistant Professor Doctor, Associate Professor Doctor, and Professor of Private University (ANECA). Date of recognition: 23/06/2020
- Editorial Advisory Board Member: Med Res Rew (2021-2023; IF: 12.944), ReAudito Mercury (2019-2023)
- Guest editor: Pharmaceuticals (2022-2023; IF: 5.215)
- Reviewer: 2022 (Intervirology, iScience), 2021 (J Adv Microbiol, Mar Drugs, J Aids HIV infec, Asian J Infect Dis, J Biomed Res Stud), 2020 (Hepatobiliary Pancreat Dis Int)
- External Scientific Committee HIV Biobank HGM (2022-2023)

Daniel Sepúlveda Crespo

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Current professional situation

Employing entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body

Department: Viral Infection and Immunity Unit., National Center for Microbiology

Professional category: Postdoctoral Researcher

Start date: 12/07/2021

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 239001 - Design. Synthesis and study new drugs; 240300 - Biochemistry; 240700 - Cell biology; 241007 - Human genetics; 241201 - Antigens; 241202 - Antibodies; 241203 - Antigen-antibody reaction; 241204 - Antibody formation; 241205 - Hypersensitivity; 241206 - Immunisation; 241210 - Vaccines; 242000 - Virology; 320200 - Epidemiology; 320700 - pathology; 320802 - Action of drugs; 320808 - Mechanism of drug action; 320809 - Metabolic processes of drugs; 321000 - Preventive medicine

Performed tasks: To assess the impact of HCV infection clearance and its evolution after HCV eradication by using neutralizing antibodies, immunogens, and novel nanocomposites

Identify key words: Mechanisms of drugs action; Metabolism chemistry; Pharmacology; Laboratory animals; Cell culture; Virus cultivation; Biological sciences

Previous positions and activities

	Employing entity	Professional category	Start date
1	Grupo de Estudio de SIDA-SEIMC	Postdoctoral Researcher	02/03/2020
2	Universidad de León	Postdoctoral Researcher	01/01/2018
3	Hospital General Universitario Gregorio Marañón	Postdoctoral Researcher	13/01/2016
4	Hospital General Universitario Gregorio Marañón	Predoctoral Researcher	03/09/2012
5	Repsol YPF, S.A.	Laboratory technician	01/07/2010
6	Universidad Complutense de Madrid	Laboratory Analyst	01/10/2007
7	Universidad Complutense de Madrid	Laboratory Analyst	01/10/2005

1 **Employing entity:** Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Professional category: Postdoctoral Researcher



Start-End date: 02/03/2020 - 08/07/2021

Duration: 1 year - 4 months

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

Primary (UNESCO code): 241200 - Immunology

Performed tasks: To assess the impact of HCV infection clearance and its evolution after HCV eradication by using neutralizing antibodies, immunogens, and novel nanocomposites

2 Employing entity: Universidad de León

Type of entity: University

Department: Biomedical Sciences (Toxicology), Facultad de Veterinaria

Professional category: Postdoctoral Researcher **Educational Management (Yes/No):** Yes

Start-End date: 01/01/2018 - 31/10/2019

Duration: 1 year - 10 months

Type of contract: Temporary employment contract

Primary (UNESCO code): 230200 - Biochemistry; 239001 - Design. Synthesis and study new drugs; 240112 - Parasitology animal; 241200 - Immunology; 241400 - Microbiology; 241500 - Molecular biology

Performed tasks: To discover drugs for neglected tropical diseases produced by human-threatening parasites, including gastrointestinal helminths, and develop new in vitro HTS methods to detect the efficacy of anthelmintic drugs.

Identify key words: Pharmaceutics chemistry; Molecular mechanism of disease; Laboratory animals; Cell culture; Zoonosis; Animal toxicology

Field of management activity: University

3 Employing entity: Hospital General Universitario Gregorio Marañón

Type of entity: Healthcare Institutions

Department: Molecular ImmunoBiology Laboratory, FIBHGM

City employing entity: Madrid, Community of Madrid, Spain

Professional category: Postdoctoral Researcher

Start-End date: 13/01/2016 - 31/12/2017

Duration: 1 year - 11 months - 18 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 230200 - Biochemistry; 230406 - Polymers of high molecular weight; 239001 - Design. Synthesis and study new drugs; 240300 - Biochemistry; 240701 - Cell culture; 241200 - Immunology; 241500 - Molecular biology; 242000 - Virology

Performed tasks: To release miRNAs, siRNAs, peptides, or other drugs into cellular subtypes and study the role they play in the immune response to use as possible therapeutic vaccines and prevent infectious diseases.

4 Employing entity: Hospital General Universitario Gregorio Marañón

Type of entity: Healthcare Institutions

Department: Molecular ImmunoBiology Laboratory, FIBHGM

City employing entity: Madrid, Community of Madrid, Spain

Professional category: Predoctoral Researcher

Start-End date: 03/09/2012 - 12/01/2016

Duration: 3 years - 4 months - 9 days

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 230200 - Biochemistry; 230406 - Polymers of high molecular weight; 239001 - Design. Synthesis and study new drugs; 240300 - Biochemistry; 240701 - Cell culture; 241200 - Immunology; 241500 - Molecular biology; 242000 - Virology

Performed tasks: To discover drugs based on nanotechnology against different sexually transmitted diseases such as HIV, HCV, and HSV-2



- 5** **Employing entity:** Repsol YPF, S.A. **Type of entity:** Business
Department: Repsol Technology Center, Móstoles
City employing entity: Madrid, Community of Madrid, Spain
Professional category: Laboratory technician
Start-End date: 01/07/2010 - 30/09/2010 **Duration:** 3 months
Type of contract: Curricular Practices. UCM-REPSOL YPF, S.A. Practices Agreement
Dedication regime: Part time
Primary (UNESCO code): 230100 - Analytical chemistry; 230300 - Inorganic chemistry; 230400 - Macromolecular chemistry; 230600 - Organic chemistry
Performed tasks: To collaborate in an R & D Project of aqueous effluents in wastewater treatment with Propylene Oxide and Styrene Technology Group (PO/SM): reaction monitoring and analytical characterization of products
- 6** **Employing entity:** Universidad Complutense de Madrid **Type of entity:** University
Department: Faculty of Chemistry, Universidad Complutense de Madrid
City employing entity: Madrid, Community of Madrid, Spain
Professional category: Laboratory Analyst
Start-End date: 01/10/2007 - 01/07/2009 **Duration:** 1 year - 9 months
Type of contract: Practices
Dedication regime: Part time
Primary (UNESCO code): 330300 - Chemical technology and engineering; 330800 - Environmental technology and Engineering; 330900 - Food technology; 331000 - Industrial technology; 331200 - Materials technology; 331500 - Metallurgical technology; 332100 - Petroleum and coal technology; 332200 - Power technology; 332800 - Unit operations technology
Performed tasks: Laboratory and pilot plant practices on chemical engineering operations and processes
- 7** **Employing entity:** Universidad Complutense de Madrid **Type of entity:** University
Department: Faculty of Chemistry, Universidad Complutense de Madrid
City employing entity: Madrid, Community of Madrid, Spain
Professional category: Laboratory Analyst
Start-End date: 01/10/2005 - 01/07/2007 **Duration:** 1 year - 9 months
Type of contract: Prácticas
Dedication regime: Part time
Primary (UNESCO code): 230100 - Analytical chemistry; 230300 - Inorganic chemistry; 230600 - Organic chemistry
Performed tasks: Analytical methods, physical-chemistry characterization, inorganic and organic synthesis



Education

University education

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

University degree: Higher degree

Name of qualification: Degree of Chemical Engineering

City degree awarding entity: Madrid, Community of Madrid, Spain

Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid

Date of qualification: 01/07/2010

Average mark: Good

Doctorates

Doctorate programme: Ph.D. in Molecular Biosciences

Degree awarding entity: Universidad Autónoma de Madrid **Type of entity:** University

City degree awarding entity: Madrid, Community of Madrid, Spain

Date of degree: 12/01/2016

European doctorate: Yes

Date of certificate: 12/01/2016

Thesis title: The use of nanotechnology: polyanionic carbosilane dendrimers and antivirals as novel preventive methods against HIV-1 and HCV (<https://www.educacion.gob.es/teseo/mostrarSeleccion.do>)

Thesis director: M^a Ángeles Muñoz Fernández

Thesis co-director: Jose Luis Jiménez Fuentes

Obtained qualification: Summa 'Cum Laude'

Other postgraduate university studies

Type of education: Masters

Postgraduate qualification: Master of Engineering in Industrial Processes

City degree awarding entity: Madrid, Community of Madrid, Spain

Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid

Faculty, institute or centre: Facultad de Química

Date of qualification: 01/07/2011

Obtained qualification: 8,15



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

- 1** **Type of training:** Course
Training title: Presentations in English C1
City awarding entity: Community of Madrid, Spain
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Aims of the entity: Starting with your presentation. First steps to your presentation. Presenting visuals. Final steps to your talk. Delivering a good conclusion
End date: 30/10/2022 **Duration in hours:** 30 hours
- 2** **Type of training:** Course
Training title: Statistical analysis with STATA
City awarding entity: Community of Madrid, Spain
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Aims of the entity: Descriptive statistics. Probability. Probability distributions. Confidence intervals and contrasts of hypotheses. Test of comparison of proportions and means. Data stratification. Correlation and simple linear regression. Multiple linear regression. Logistic regression. Poisson regression. Cox regression
End date: 21/10/2022 **Duration in hours:** 20 hours
- 3** **Type of training:** Course
Training title: Writing C1
City awarding entity: Community of Madrid, Spain
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Aims of the entity: Writing a comparison essay. Writing a report. How to write a memo. Writing an argument essay. Writing a research article
End date: 19/10/2022 **Duration in hours:** 30 hours
- 4** **Type of training:** Course
Training title: Introduction to flow cytometry: Sample preparation and flow cytometer management
City awarding entity: Community of Madrid, Spain
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Aims of the entity: Introduction to cytometry. Detection of complex cell populations. Equipment calibration and fluorescence compensation. Equipment and programs. Analysis of results. Use of cytometry for multiparametric kinetic analysis. Analysis of apoptosis, cell cycle, and cell proliferation. Detection of intracytoplasmic and soluble cytokines. Fundamentals of preparative flow cytometry
End date: 10/06/2022 **Duration in hours:** 10 hours
- 5** **Type of training:** Course
Training title: Construction of phylogenetic trees from DNA sequences
City awarding entity: Community of Madrid, Spain
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Aims of the entity: Introduction to phylogenetics. Phylogenetic methods. Distance methods. Maximum likelihood. Perspectives and challenges in molecular phylogenetics
End date: 27/05/2022 **Duration in hours:** 20 hours
- 6** **Type of training:** Course
Training title: Course III of Research Methodology Applied to HIV
City awarding entity: Community of Madrid, Spain
Awarding entity: Hospital Universitario Infanta Leonor **Type of entity:** Healthcare Institutions



Aims of the entity: Knowledge, characteristics, and design of epidemiological studies. Design and creation of databases. Application of basic statistical concepts with the SPSS and STATA programs. Choice of the most appropriate statistical technique based on the nature of the data. Resolution through SPSS of the most frequently used statistical methods in Health Sciences Research. STATA resolution of a meta-analysis. A correct interpretation of statistical results. Extraction of the most important results and their presentation in the scientific document. Creation of a project in REDCap and design of a collaborative group

End date: 06/05/2022

Duration in hours: 54 hours

7 Type of training: Course

Training title: Introduction to STATA management

City awarding entity: Community of Madrid, Spain

Awarding entity: Instituto de Salud Carlos III

Type of entity: Public Research Body

Aims of the entity: Stata and its resources. Managing databases in Stata. Debugging and managing variables in Stata. Graphs and descriptive statistics. Statistical inference. Tests for two parameters and nonparametric statistics

End date: 29/04/2022

Duration in hours: 20 hours

8 Type of training: Course

Training title: Statistical analysis of clinical data with R

City awarding entity: Community of Madrid, Spain

Awarding entity: Instituto de Salud Carlos III

Type of entity: Public Research Body

Aims of the entity: Overview. Programming: basic concepts. Tables in R. Visualization. Descriptive statistics. Statistical inference

End date: 08/04/2022

Duration in hours: 16 hours

9 Type of training: Course

Training title: English B2 (Code SSCE04) - Level B2 of the Common European Framework of Reference for Languages (CEFR)

City awarding entity: Madrid, Community of Madrid, Spain

Awarding entity: FUNDACION TAJAMAR

End date: 12/05/2021

Duration in hours: 240 hours

10 Type of training: Workshop

Training title: Workshop Bioethics

City awarding entity: Community of Madrid, Spain

Awarding entity: Centro de Investigaciones Biológicas Margarita Salas

Aims of the entity: Ethics in scientific communication. Women in science. Regulations, training offer and social impact: pseudotherapies

End date: 04/12/2020

Duration in hours: 4 hours

11 Type of training: Workshop

Training title: Workshop Basic Notions in Biostatistics

City awarding entity: Community of Madrid, Spain

Awarding entity: Centro de Investigaciones Biológicas Margarita Salas

Aims of the entity: Introduction. Distributions. Statistical test to confirm hypothesis. Experimental Design, Connection to Artificial Intelligence

End date: 03/12/2020

Duration in hours: 4 hours

12 Type of training: Workshop

Training title: IV Workshop on Scientific Writing, Presentation and Dissemination

City awarding entity: Community of Madrid, Spain

Awarding entity: Centro de Investigaciones Biológicas Margarita Salas



Aims of the entity: How to give a seminar: presentation and poster design. How to critically read a scientific manuscript. How to write a scientific manuscript. Communicating scientific data effectively. New formats for scientific dissemination thanks to 2.0 technologies

End date: 05/11/2020

Duration in hours: 4 hours

13 Type of training: Webinar

Training title: AdisInsight: How to find the information you need

City awarding entity: Berlin, Germany

Awarding entity: Ask The Expert AdisInsight (Springer Nature)

Aims of the entity: What AdisInsight is and how it can benefit you. How to use the Search function to find the information you need. How to use some of the clever features of the site

End date: 25/06/2020

Duration in hours: 1 hour

14 Type of training: Webinar

Training title: Extraordinary online training on Scopus

City awarding entity: Madrid, Community of Madrid, Spain

Awarding entity: Fundación Española para la Ciencia y **Type of entity:** Organismo Público de Investigación la Tecnología

Aims of the entity: Introduction. Search by subject. Author and institution profile. Metrics. Cite Score. Sources and journal comparison. Advanced search. Working with the results. Beyond Scopus: taking advantage of Scopus resources

End date: 19/06/2020

Duration in hours: 10 hours

15 Type of training: Webinar

Training title: Digital Times 2: learning from anywhere

City awarding entity: Madrid, Community of Madrid, Spain

Awarding entity: Fundación ONCE

Type of entity: Foundation

Aims of the entity: How to create a news repository, automate connecting your applications, issue certificates, take notes efficiently, and manage bibliographic references and share research in the cloud

End date: 12/05/2020

Duration in hours: 1 hour

16 Type of training: Course

Training title: Molecular Modeling and Molecular Simulations

City awarding entity: Madrid, Community of Madrid, Spain

Awarding entity: Laboratorio de InmunoBiología Molecular del HGUGM / Biobanco VIH HGM

Type of entity: Healthcare Institutions

Aims of the entity: Molecular docking simulations, molecular mechanical force fields, coarse-grained and atomic molecular dynamics simulations, introduction to Gibbs energy calculations

End date: 21/11/2016

Duration in hours: 30 hours

17 Type of training: Course

Training title: Food Handler (renewal)

City awarding entity: Valencia, Valencian Community, Spain

Awarding entity: PROGRESA CENTRO DE FORMACIÓN PROFESIONAL

Type of entity: Institución educativa

Aims of the entity: Food hazards. Self-control systems according to HACCP. Preventive measures. Correct hygiene and food handling practices. Cleaning and disinfection

End date: 18/11/2014

Duration in hours: 12 hours

18 Type of training: Course

Training title: Training Course in Occupational Risk Prevention at health activities

City awarding entity: Barcelona, Catalonia, Spain



Awarding entity: Universitat Politècnica de Catalunya **Type of entity:** University
Aims of the entity: Characterization of work in the health field. Normative. Risks associated with health activity. Physical hazards Exposure to emissions and radiation. Ergonomic risks
End date: 27/10/2014 **Duration in hours:** 5 hours

19 Type of training: Course
Training title: English now! Oxford Experience (Intermediate Plus – B2)
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: FUNDACION TAJAMAR
End date: 31/01/2014 **Duration in hours:** 330 hours

20 Type of training: Course
Training title: SciWrite Writing in the Sciences
City awarding entity: Stanford, CA, United States of America
Awarding entity: Universidad de Stanford **Type of entity:** University
Aims of the entity: Principles of effective writing. Format of the original manuscripts. Reviews, comments and opinion articles: publication process. Problems in scientific writing
End date: 01/12/2013 **Duration in hours:** 80 hours

21 Type of training: Course
Training title: Animal Experimentation: Category B
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: Comunidad de Madrid **Type of entity:** Agencia Laín Entralgo
Aims of the entity: Experimental regulations. Ethical and normative aspects of experimental care. Handling and basic maintenance principles. Recognition of the state of health and diseases: pain, suffering and anguish. Implications of microbiological status. Performance of procedures
End date: 06/06/2013 **Duration in hours:** 40 hours

22 Type of training: Symposium
Training title: International Symposium FUNDACION RAMON ARECES. Control or eradication of viral hepatitis B and C
City awarding entity: Barcelona, Catalonia, Spain
Awarding entity: Fundación Ramón Areces **Type of entity:** Foundation
Aims of the entity: Biology of the hepatitis C virus. Problems. Immune response. Present and future of hepatitis C treatment using direct-acting antiviral agents. What's New in HCV Replication: Potential Antiviral Targets. Animal models for the study of infection by virus B (HBV) and delta (HDV). Variability and challenges for the eradication of HBV. Anti-HBV and anti-HCV treatment in liver transplant patients and in patients coinfecting with HIV. Viral resistance and persistence mutations. Challenges of mass sequencing. Interaction between mutagenesis and inhibition
End date: 31/05/2013 **Duration in hours:** 20 hours

23 Type of training: Workshop
Training title: XII Conference on Prevention and Treatment of HIV Infection in newborns and children. III course of the National Pediatric Cohort. CoRISpe
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions
Aims of the entity: Cohorts and cooperation. Clinic. Young Researchers. Clinical cases
End date: 04/12/2012 **Duration in hours:** 6 hours



- 24** **Type of training:** Workshop
Training title: IV Monographic Conference of the SEV
City awarding entity: Chinchón, Madrid, Community of Madrid, Spain
Awarding entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA
Aims of the entity: Innate immune response in the control of viral infections
End date: 20/10/2012 **Duration in hours:** 20 hours
- 25** **Type of training:** Course
Training title: Food handler
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: DISTRIBUIDORA INTERNACIONAL DE ALIMENTACION SA
Aims of the entity: Food Handler Manual: Introduction. Food hygiene. Food contamination. Foodborne diseases. Food preservation and storage. Personal hygiene of manipulators. Cleaning and hygiene. HACCP self-control system and regulations. Food Information Law (Allergens)
End date: 01/02/2012 **Duration in hours:** 30 hours
- 26** **Type of training:** Course
Training title: Computer training courses in Microsoft Office 2008/09. Spreadsheets with Microsoft Excel
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: Universidad Complutense de Madrid **Type of entity:** University
Aims of the entity: Introduction. The appearance of the spreadsheet. References, calculations and formulas. Excel charts. Databases in Excel. Data analysis
End date: 09/12/2008 **Duration in hours:** 40 hours
- 27** **Type of training:** Course
Training title: Computer training courses in Microsoft Office 2008/09. Word processing with Microsoft Word
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: Universidad Complutense de Madrid **Type of entity:** University
Aims of the entity: Introduction to word processors. The format of the text. Page layout. Illustrations. Boards. Spelling and grammar. Combination documents
End date: 09/12/2008 **Duration in hours:** 40 hours
- 28** **Type of training:** Course
Training title: Computer training courses in Microsoft Office 2008/09. Introduction to web design with Microsoft Frontpage
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: Universidad Complutense de Madrid **Type of entity:** University
Aims of the entity: Development of a personal website
End date: 15/04/2008 **Duration in hours:** 40 hours
- 29** **Type of training:** Course
Training title: Computer training courses in Microsoft Office 2007/08. Presentations with Microsoft PowerPoint.
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: Universidad Complutense de Madrid **Type of entity:** University
Aims of the entity: Introduction. The format of the text. The design of the slides. Illustrations Boards. Pie charts. Presentation execution. Add effects. Templates and patterns
End date: 11/12/2007 **Duration in hours:** 40 hours



Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	A2	C1	B2	B2	C1

Teaching experience

General teaching experience

- 1** **Type of teaching:** Official teaching
Name of the course: H2 of Human diseases caused by viruses (Hepatitis C Module)
Type of programme: Master's degree **Type of teaching:** In person theory
Type of subject: Optional
University degree: Master in Virology
Course given: Hepatitis C
Start date: 24/03/2022 **End date:** 24/03/2022
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 2
Entity: Universidad Complutense de Madrid **Type of entity:** University
Faculty, institute or centre: Veterinary Faculty
City of entity: Madrid, Community of Madrid, Spain
- 2** **Type of teaching:** Official teaching
Name of the course: Molecular biology of HIV: clinical applications
Professional category: Collaborating Professor
Type of programme: Master's degree **Type of teaching:** In person theory
Type of subject: Optional
University degree: Master's Degree in Innovation in Biomedical and Health Sciences
Start date: 05/2019 **End date:** 05/2019
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 21
Entity: Universidad de León **Type of entity:** University
Faculty, institute or centre: Facultad de Veterinaria
City of entity: León, Castile and León, Spain
- 3** **Type of teaching:** Official teaching
Name of the course: Toxicology
Professional category: Collaborating Professor
Type of programme: Bachelor's degree **Type of teaching:** Practical work (classroom-problems)
Type of subject: Optional
University degree: Degree in Nursing
Start date: 03/2019 **End date:** 03/2019
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 1
Entity: Universidad de León **Type of entity:** University
Faculty, institute or centre: Faculty of Health Sciences



City of entity: León, Castile and León, Spain

4 Type of teaching: Official teaching

Name of the course: Molecular biology of HIV: clinical applications

Professional category: Collaborating Professor

Type of programme: Master's degree

Type of teaching: In person theory

Type of subject: Optional

University degree: Master's Degree in Innovation in Biomedical and Health Sciences

Start date: 04/2018

End date: 05/2018

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 29

Entity: Universidad de León

Type of entity: University

Faculty, institute or centre: Facultad de Veterinaria

City of entity: León, Castile and León, Spain

Experience supervising doctoral thesis and/or final year projects

1 Project title: Systematic review and meta-analysis of the hepatitis C core antigen detection test for the diagnosis of hepatitis C virus infection

Type of project: Master's Thesis

Co-director of thesis: Resino S; Sepúlveda-Crespo D

Entity: Escuela Nacional de Sanidad

City of entity: Madrid, Community of Madrid, Spain

Student: Ana Treviño Nakoura

Date of reading: 07/2022

2 Project title: In vitro study of the dynamics and amplitude of neutralizing antibodies against the hepatitis c virus (HCV) present in the plasma of individuals with advanced cirrhosis

Type of project: Master's Thesis

Co-director of thesis: Martínez I; Sepúlveda-Crespo D

Entity: Instituto de Salud Carlos III

Type of entity: Public Research Body

City of entity: Madrid, Community of Madrid, Spain

Student: Francisco Torresano Felipe

Date of reading: 07/2021

3 Project title: Impact of magnetic nanoparticles functionalized with anionic dendrons as a method of capturing HIV-1, and of a hydrogel as a vaginal microbicide to prevent HIV-1 transmission

Type of project: End of course project

Co-director of thesis: Muñoz-Fernández MA (director); Sepúlveda-Crespo D (supervisor)

Entity: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain

Student: Santiago Fernández Coego

Date of reading: 07/2017

4 Project title: Comparison of the HIV-1 inhibition effect of two families of polyanionic carbosilane dendrimers for use as microbicides

Type of project: Master's Thesis

Co-director of thesis: Muñoz-Fernández MA; Sepúlveda-Crespo D

Entity: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain



Student: Sonia Valderas Pancorbo

Date of reading: 07/2016

- 5 Project title:** Analysis of dual antiviral activity against HIV-1/HSV-2 of new polyanionic carbosilane dendrons as a topical microbicide

Type of project: Master's Thesis

Co-director of thesis: Muñoz-Fernández MA (director); Sepúlveda-Crespo D (supervisor)

Entity: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain

Student: Carlos Guerrero Beltrán

Date of reading: 09/2015

- 6 Project title:** Characterization of dendrons and cationic nanoparticles as vehicles to release siRNAs and inhibit infection by HIV and/or tumor agents in vitro

Type of project: Master's Thesis

Co-director of thesis: Muñoz-Fernández MA (director); Sepúlveda-Crespo D (supervisor)

Entity: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain

Student: Alejandro Mendiola Aragonés

Date of reading: 07/2015

- 7 Project title:** Role of cationic carbosilane dendrimers as transfecting agents, and of dendrons and anionic gold nanoparticles as prevention of HIV-1 infection

Type of project: Master's Thesis

Co-director of thesis: Muñoz-Fernández MA; Sepúlveda-Crespo D

Entity: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain

Student: Ana López López

Date of reading: 07/2014

Teaching experience in courses and seminars for university teacher training

- 1 Type of event:** Seminar

Name of the event: Titer and amplitude of anti-HCV E2 antibodies in patients with HCV liver cirrhosis after therapy with direct antiviral agents

City organizing entity: Madrid, Community of Madrid, Spain

Organising entity: Spanish AIDS Research Network

Aims of the course: Comprehensive training program to acquire knowledge and skills on fundamental aspects of HIV infection and associated diseases and provide essential tools to facilitate research in this field

Target group profile: Laboratory technicians, training researchers or pre-doctoral scientists or clinicians working on RIS

Hours of teaching: 1

Teaching language: Spanish

Teaching date: 23/04/2021

Type of participation: Participatory - invited/keynote talk

- 2 Type of event:** Seminar

Name of the event: Nanotechnology: dendrimers as prevention systems against HIV and HCV

City organizing entity: León, Castile and León, Spain

Organising entity: IBIOMED

Aims of the course: Promote research, with particular attention to applied research, enhance the transfer of results favoring the creation of applied knowledge, participate in actions of promotion, prevention, diagnosis,



treatment or rehabilitation, aimed at promoting the restoration or improvement of health, and collaborate in the development of postgraduate teaching

Target group profile: Postgraduate courses dedicated to research in areas of knowledge such as biology (problem solving of human health, physiology and normal and harmonic development) and public health (epidemiology, sociology and other related disciplines)

Hours of teaching: 2

Teaching language: Spanish

Teaching date: 27/02/2018

Type of participation: Participatory - invited/keynote talk

Scientific and technological experience

Scientific or technological activities

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

- 1** **Name of the project:** CIBER of Infectious Diseases (CIBERINF). State subprogram for institutional strengthening

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Salvador Resino (IP)

Funding entity or bodies:

Fondo de Investigación Sanitaria (FIS)

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: AES-2021

Code according to the funding entity: CB21/13/00044

Start-End date: 01/01/2022 - 31/12/2025

Duration: 5 years

Total amount: 300.000 €

Applicant's contribution: To research in Infectious Diseases, mainly HIV infection, viral hepatitis and COVID-19

- 2** **Name of the project:** Multi-omic analysis to assess the long-term impact of HCV eradication in HIV/HCV co-infected patients with cirrhosis

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): M^a Ángeles Jiménez Sousa (IP)

Funding entity or bodies:

Fondo de Investigación Sanitaria (FIS)

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: AESI-2021

Code according to the funding entity: PI21CIII/00033

Start-End date: 01/01/2022 - 31/12/2024

Duration: 3 years



Total amount: 92.000 €

Applicant's contribution: To promote research in the area of health and particularly in personalized health through the use of omic technologies and medical imaging as a basis

3 Name of the project: Sara Borrell Contract

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Salvador Resino García (IP); Daniel Sepúlveda-Crespo (Applicant)

Nº of researchers: 1

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

Type of participation: Doctor Researcher

Name of the programme: AESI-2020

Code according to the funding entity: CD20CIII/00001

Start-End date: 12/07/2021 - 11/07/2024

Duration: 3 years

Total amount: 116.700 €

Applicant's contribution: To describe the kinetics of neutralizing antibodies against HCV E1/E2 glycoprotein after HCV spontaneous clearance or after antiviral treatment with DAAs

4 Name of the project: Acute/recent infections and reinfections by HCV in men having sex with men with and without HIV

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Salvador Resino (IP)

Funding entity or bodies:

Fondo de Investigación Sanitaria (FIS)

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: AESI-2020

Code according to the funding entity: PI20CIII/00004

Start-End date: 01/01/2021 - 31/12/2023

Duration: 3 years

Total amount: 78.000 €

Applicant's contribution: To characterize HCV in acute hepatitis C, to understand its transmission routes, to study immunological biomarkers in the urethral and anal mucosa, and to describe the kinetics of neutralizing antibodies against HCV E1/E2 glycoprotein after HCV spontaneous clearance or after antiviral treatment with DAAs

5 Name of the project: Research Network on Health Cooperative Research Themes ISCIII

Entity where project took place: Instituto de Salud Carlos III **Type of entity:** Public Research Body

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Salvador Resino (IP)

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Team member



Name of the programme: AESI-2016

Code according to the funding entity: RD16CIII/0002/0002

Start-End date: 01/01/2017 - 31/12/2021

Duration: 5 years

Total amount: 250.000 €

Applicant's contribution: To analyze immune factors associated with spontaneous control of HCV replication in HIV-infected patients

6 Name of the project: Research Network on Health Cooperative Research Themes ISCIII

Entity where project took place: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): M^a Ángeles Muñoz-Fernández (IP)

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: AES-2016

Code according to the funding entity: RD16/0025/0019

Start-End date: 01/01/2016 - 31/12/2020

Duration: 5 years

Total amount: 1.047.750 €

Applicant's contribution: To investigate using nanomedicine on HIV, HCV and other sexually transmitted diseases at the molecular level and in animal models

7 Name of the project: Effect of new generations of dendrimers with dual prevention against HIV-1/HSV-2: characterization and proof of concept

Entity where project took place: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): M^a Ángeles Muñoz-Fernández (IP)

Funding entity or bodies:

Fondo de Investigación Sanitaria (FIS)

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: AES-2016

Code according to the funding entity: PI16/01863

Start-End date: 01/01/2017 - 31/12/2019

Duration: 3 years

Total amount: 272.550 €

Applicant's contribution: To develop a gel/cream with dual contraceptive and anti-HIV-1/HSV-2 activity accessible to women, and that prevents rectal HIV-1 and/or HSV-2 infection

8 Name of the project: Evaluation of the antiparasitic activity of new molecules through in vitro assays

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

City of entity: León, Castile and León, Spain

Name principal investigator (PI, Co-PI....): Rafael Balaña-Fouce (IP); Daniel Sepúlveda-Crespo (Applicant)

Funding entity or bodies:

Fondo Europeo de Desarrollo Regional (FEDER)

Junta de Castilla y León

Type of entity: Institución de gobierno



City funding entity: Valladolid, Castile and León, Spain

Type of participation: Doctor Researcher

Name of the programme: JCyL-2017

Code according to the funding entity: LE020P17

Start-End date: 01/01/2018 - 31/10/2019

Duration: 1 year - 10 months

Total amount: 80.000 €

Applicant's contribution: To discover drugs for neglected tropical diseases produced by human-threatening parasites, including gastrointestinal helminths, and develop new in vitro HTS methods to detect the efficacy of anthelmintic drugs

- 9 Name of the project:** Development of a vaccine against HIV. Study of changes in the biology of human dendritic cells after interaction with different HIV peptide delivery systems

Entity where project took place: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): M^a Ángeles Muñoz-Fernández (IP)

Funding entity or bodies:

Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo **Type of entity:** ONCYT

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: CYTED-2013

Code according to the funding entity: 214RT0482

Start-End date: 01/01/2014 - 31/12/2018

Duration: 5 years

Total amount: 100.000 €

Applicant's contribution: To design and develop dendrimers with affinity for receptors on the surface of dendritic cells. To select peptides with anti-HIV activity. To study mechanisms through molecular modeling, in vitro and humanized murine in vivo models

- 10 Name of the project:** Development and mechanism of action of dendrimers as microbicides to stop HIV infection by sexual transmission (vaginal and anal): Proof of concept

Entity where project took place: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): M^a Ángeles Muñoz-Fernández (IP)

Funding entity or bodies:

Fondo de Investigación Sanitaria (FIS)

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: AES-2013

Code according to the funding entity: PI13/02016

Start-End date: 01/01/2014 - 31/12/2016

Duration: 3 years

Total amount: 261.058 €

Applicant's contribution: To develop a preventive gel/cream with anti-HIV-1 activity accessible and acceptable to women, and that prevents HIV-1 infection at the rectal level

- 11 Name of the project:** Research Network on Health Cooperative Research Themes ISCIII

Entity where project took place: Hospital General Universitario Gregorio Marañón **Type of entity:** Healthcare Institutions



City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): M^a Ángeles Muñoz-Fernández (IP)

Funding entity or bodies:

Instituto de Salud Carlos III

Type of entity: Public Research Body

City funding entity: Majadahonda, Community of Madrid, Spain

Type of participation: Team member

Name of the programme: AES-2012

Code according to the funding entity: RD12/0017/0037

Start-End date: 01/01/2013 - 31/12/2016

Duration: 4 years

Total amount: 520.375 €

Applicant's contribution: To test novel nanoparticles for infectious agents. To release miRNAs, siRNAs, peptides, or other drugs into cellular subtypes, study their role in the immune response, use as possible therapeutic vaccines, and prevent infectious diseases

12 **Name of the project:** Dendritic nanosystems as therapeutic agents in different biomedical applications

Entity where project took place: Hospital General **Type of entity:** Healthcare Institutions

Universitario Gregorio Marañón

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Jose Luis Jimenez (IP); Daniel Sepúlveda-Crespo (Applicant)

Funding entity or bodies:

Comunidad de Madrid

Type of entity: Convocatoria Redes de Investigación

Type of participation: Pre-doctoral researcher

Name of the programme: CAM-2010

Code according to the funding entity: S2010/BMD-2351

Start-End date: 01/01/2013 - 30/04/2016

Duration: 3 years - 4 months

Total amount: 586.500 €

Applicant's contribution: To discover drugs based on nanotechnology against different sexually transmitted diseases such as HIV, HCV, and HSV-2

Results

Industrial and intellectual property

Title registered industrial property: Carbosilane dendrons functionalized with fatty acids: micelle formation and uses (ES2657282A1)

Inventors/authors/obtainers: Francisco Javier de la Mata de la Mata; Rafael Gómez Ramírez; Javier Sánchez Nieves; Gabriel Mencía Berlinches; Jose Luis Copa Patiño; Juan Soliveri de Carranza; Jorge Pérez Serrano; Mercedes Valiente Martínez; Carlos Emilio Guitérrez Ulloa; M^a Ángeles Muñoz Fernández; Jose Luis Jiménez Fuentes; Carlos Guerrero Beltrán; Daniel Sepúlveda Crespo; Rafael Ceña Díez

Entity holder of rights: UAH/FIBHGM

Nº of application: P201600726

Country of inscription: Spain, Community of Madrid

Date of register: 02/09/2016

Conferral date: 17/12/2018

Operating aut.region/region: Spain



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Martín-Vicente M; Carrasco I; Muñoz-Gómez MJ; Lobo AH; Mas V; Vigil-Vázquez M; Manzanares A; Cano O; Alonso R; Sepúlveda-Crespo D; Tarancón-Díez L; Muñoz-Fernández MA; Muñoz-Chapuli M; Resino S; Navarro ML; Martínez I. Antibody levels to SARS-CoV-2 spike protein in mothers and children from delivery to six months later. Birth-Issue Perinat Care. Epub ahead of print, Hoboken, NJ(United States of America): WILEY, 2022. ISSN 1523-536X
DOI: 10.1111/birt.12667
Type of production: Scientific paper
Position of signature: 11
Total no. authors: 17
Impact source: ISI
Impact index in year of publication: 3.081
Position of publication: 20
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - NURSING
Journal in the top 25%: Yes
No. of journals in the cat.: 125
- 2** Sepúlveda-Crespo D; Treviño-Nakoura A; Bellon JM; Jiménez-Sousa MA; Ryan Pablo; Martínez I; Fernández-Rodríguez A; Resino S. Diagnostic Performance of the HCV Core Antigen Test To Identify Hepatitis C in HIV-Infected Patients: a Systematic Review and Meta-Analysis. J Clin Microbiol. 61 - 1, pp. e01331 - 22. Washington, DC(United States of America): AMER SOC MICROBIOLOGY, 2022. ISSN 0095-1137
DOI: 10.1128/jcm.01331-22
PMID: 36537787
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 11.677
Position of publication: 15
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - MICROBIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 137
- 3** Álvaro-Meca A; Goetz MC; Resino R; Matías V; Sepúlveda-Crespo D; Martínez I; Resino S. Environmental factors linked to hospital admissions in young children due to acute viral lower respiratory infections: A bidirectional case-crossover study. Environ Res. 212(Pt B), pp. 113319. San Diego, CA(United States of America): ACADEMIC PRESS INC ELSEVIER SCIENCE, 2022. ISSN 0013-9351
DOI: 10.1016/j.envres.2022.113319
PMID: 35447151
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 8.431
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH
Journal in the top 25%: Yes

**Position of publication:** 21**No. of journals in the cat.:** 210

- 4** Sepúlveda-Crespo D; Rallón N; Muñoz-Gómez MJ; Brochado-Kith O; Jimenez JL; Muñoz-Fernández MA; Benito JM; Resino S; on behalf of ECRIS Integrated in the Spanish AIDS Research Network. High Plasma sTNF-R1 Level Is Related to Loss of Natural HIV Control in Long-Term Elite Controllers. Front Cell Infect Microbiol. 12, pp. 858872. Lausanne(Switzerland): FRONTIERS MEDIA SA, 2022. ISSN 2235-2988

DOI: 10.3389/fcimb.2022.858872**PMID:** 35372109**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 6.073**Position of publication:** 33**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - MICROBIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 136

- 5** Sepúlveda-Crespo D; Treviño-Nakoura A; Bellon JM; Ardizzone Jiménez B; Jiménez-Sousa MA; Fernández-Rodríguez A; Martínez I; Resino S. Meta-analysis: diagnostic accuracy of hepatitis C core antigen detection during therapy with direct-acting antivirals. Aliment Pharmacol Ther. 56, pp. 1224 - 1234. Hoboken, NJ(United States of America): WILEY, 2022. ISSN 0269-2813

DOI: 10.1111/apt.17198**PMID:** 36031747**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 9.524**Position of publication:** 17**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - PHARMACOLOGY & PHARMACY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 279

- 6** Sepúlveda-Crespo D; Yélamos MB; Díez C; Gómez J; Hontañón V; Torresano-Felipe F; González-García J; Ibañez-Samaniego L; Llop E; Oliveira A; Martínez J; Resino S; Martínez I. Negative impact of HIV infection on broad-spectrum anti-HCV neutralizing antibody titers in HCV-infected patients with advanced HCV-related cirrhosis. Biomed Pharmacother. 150, pp. 113024. Issy-les-Moulineaux(France): ELSEVIER FRANCE-EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER, 2022. ISSN 0753-3322

DOI: 10.1016/j.biopha.2022.113024**PMID:** 35483197**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 13**Impact source:** ISI**Impact index in year of publication:** 7.419**Position of publication:** 26**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - PHARMACOLOGY & PHARMACY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 279

- 7** Sepúlveda-Crespo D; Álvaro-Meca A; Resino R; Martínez I; Resino S. Neighborhood environmental factors linked to hospitalizations of older people for viral lower respiratory tract infections in Spain: a case-crossover study. Environ Health. 21 - 1, pp. 107. London(United Kingdom): BMC, 2022. ISSN 1476-069X

**DOI:** 10.1186/s12940-022-00928-x**PMID:** 36348411**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 7.133**Position of publication:** 30**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH**Journal in the top 25%:** Yes**No. of journals in the cat.:** 210

- 8** Petit E; Bosch LI; Costa A; Rodríguez-Izquierdo I; Sepúlveda-Crespo D; Muñoz-Fernández MA; Vilarrasa J. BMS Derivatives C7-Linked to β -Cyclodextrin and Hyperbranched Polyglycerol Retain Activity against R5-HIV-1NLAD8 Isolates and Can Be Deemed Potential Microbicides. ChemMedChem. 16, pp. 2217 - 2222. Weinheim(Germany): WILEY-V C H VERLAG GMBH, 2021. ISSN 1860-7179

DOI: 10.1002/cmdc.202100080**PMID:** 33843142**Type of production:** Scientific paper**Position of signature:** 5**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 3.54**Position of publication:** 145**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - PHARMACOLOGY & PHARMACY**Journal in the top 25%:** No**No. of journals in the cat.:** 279

- 9** Brochado-Kith O; Martínez I; Berenguer J; González-García J; Salguero S; Sepúlveda-Crespo D; Díez C; Hontañón V; Ibañez-Samaniego L; Pérez-Latorre L; Fernández-Rodríguez A; Jiménez-Sousa MA; Resino S. HCV Cure With Direct-Acting Antivirals Improves Liver and Immunological Markers in HIV/HCV-Coinfected Patients. Front Immunol. 12, pp. 723196. Lausanne(Switzerland): FRONTIERS MEDIA SA, 2021. ISSN 1664-3224

DOI: 10.3389/fimmu.2021.723196**PMID:** 34497613**Type of production:** Scientific paper**Position of signature:** 6**Total no. authors:** 13**Impact source:** ISI**Impact index in year of publication:** 8.786**Position of publication:** 33**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - IMMUNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 161

- 10** Barrios-Gumiel A; Sepúlveda-Crespo D; Jiménez JL; Gómez R; Muñoz-Fernández MA; de la Mata F.. Dendronized magnetic nanoparticles for HIV-1 capture and rapid diagnostic. Colloids Surf B-Biointerfaces. 181, pp. 360 - 368. Amsterdam(Holland): ELSEVIER SCIENCE BV, 2019. ISSN 0927-7765

DOI: 10.1016/j.colsurfb.2019.05.050**PMID:** 31158698**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 6**Impact source:** ISI**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - BIOPHYSICS



Impact index in year of publication: 4.389
Position of publication: 12

Journal in the top 25%: Yes
No. of journals in the cat.: 71

- 11** Martín-Moreno A; Sepúlveda-Crespo D; Serramía MJ; Perisé-Barrios AJ; Muñoz-Fernández MA. G2-S16 dendrimer microbicide does not interfere with the vaginal immune system. J Nanobiotechnol. 17, pp. 65. London, England(United Kingdom): BMC, 2019. ISSN 1477-3155

DOI: 10.1186/s12951-019-0496-9

PMID: 31092246

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 6.518

Position of publication: 15

Format: Journal

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

Category: Science Edition - BIOTECHNOLOGY & APPLIED MICROBIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 156

- 12** Gutierrez-Ulloa C; Sepúlveda-Crespo D; García-Broncano P; Malý M; Muñoz-Fernández MA; de la Mata FJ; Gómez R. Synthesis of bow-tie carbosilane dendrimers and their HIV antiviral capacity: A comparison of the dendritic topology on the biological process. Eur Polym J. 119, pp. 200 - 212. Oxford, England(United Kingdom): PERGAMON-ELSEVIER SCIENCE LTD, 2019. ISSN 0014-3057

DOI: 10.1016/j.eurpolymj.2019.07.034

Type of production: Scientific paper

Position of signature: 2

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 3.862

Position of publication: 14

Format: Journal

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

Category: Science Edition - POLYMER SCIENCE

Journal in the top 25%: Yes

No. of journals in the cat.: 89

- 13** Sepúlveda-Crespo D; de la Mata FJ; Gómez R; Muñoz-Fernández MA. Sulfonate-ended carbosilane dendrimers with a flexible scaffold cause inactivation of HIV-1 virions and gp120 shedding. Nanoscale. 10, pp. 8998 - 9011. Cambridge, England(United Kingdom): ROYAL SOC CHEMISTRY, 2018. ISSN 2040-3364

DOI: 10.1039/c8nr01664j

PMID: 29726564

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 6.970

Position of publication: 41

Format: Journal

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

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 293

- 14** Guerrero-Beltrán C; Ceña-Díez R; Sepúlveda-Crespo D; de la Mata FJ; Gómez R; Leal M; Muñoz-Fernández MA; Jiménez JL. Carbosilane dendrons with fatty acids at the core as a new potential microbicide against HSV-2/HIV-1 co-infection. Nanoscale. 9, pp. 17263 - 17273. Cambridge, England(United Kingdom): ROYAL SOC CHEMISTRY, 2017. ISSN 2040-3364

DOI: 10.1039/c7nr05859d

PMID: 29090302

**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 7.233**Position of publication:** 15**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - PHYSICS, APPLIED**Journal in the top 25%:** Yes**No. of journals in the cat.:** 146

- 15** Moreno S; Sepúlveda-Crespo D; de la Mata FJ; Gómez R; Muñoz-Fernández MA. New anionic carbosilane dendrons functionalized with a DO3A ligand at the focal point for the prevention of HIV-1 infection. *Antiviral Res.* 146, pp. 54 - 64. Amsterdam(Holland): ELSEVIER SCIENCE BV, 2017. ISSN 0166-3542

DOI: 10.1016/j.antiviral.2017.08.009**PMID:** 28827122**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 4.307**Position of publication:** 9**Format:** Journal**Category:** Science Edition - VIROLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 35

- 16** Sepúlveda-Crespo D; Jiménez JL; Gómez R; de la Mata FJ; Majano P; Muñoz-Fernández MA; Gastaminza P. Polyanionic carbosilane dendrimers prevent hepatitis C virus infection in cell culture. *Nanomed-Nanotechnol Biol Med.* 13, pp. 49 - 58. Amsterdam(Holland): ELSEVIER SCIENCE BV, 2017. ISSN 1549-9634

DOI: 10.1016/j.nano.2016.08.018**PMID:** 27562210**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 6.500**Position of publication:** 11**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 133

- 17** Sepúlveda-Crespo D; Vacas-Córdoba E; Márquez-Miranda V; Araya-Durán I; Gómez R; de la Mata FJ; González-Nilo F; Muñoz-Fernández MA. Effect of Several HIV Antigens Simultaneously Loaded with G2-NN16 Carbosilane Dendrimer in the Cell Uptake and Functionality of Human Dendritic Cells. *Bioconjugate Chem.* 27, pp. 2844 - 2849. Washington, DC(United States of America): AMER CHEMICAL SOC, 2016. ISSN 1043-1802

DOI: 10.1021/acs.bioconjchem.6b00623**PMID:** 27998072**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 4.818**Position of publication:** 53**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - BIOCHEMISTRY & MOLECULAR BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 290



- 18** Briz V; Sepúlveda-Crespo D; Diniz A; Borrego P; Rodes B; de la Mata FJ; Gómez R; Taveira N; Muñoz-Fernández MA. Development of water-soluble polyanionic carbosilane dendrimers as novel and highly potent topical anti-HIV-2 microbicides. *Nanoscale*. 7, pp. 14669 - 14683. Cambridge, England(United Kingdom): ROYAL SOC CHEMISTRY, 2015. ISSN 2040-3364
DOI: 10.1039/c5nr03644e
PMID: 26274532
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 9
Impact source: ISI
Impact index in year of publication: 7.760
Position of publication: 23
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY
Journal in the top 25%: Yes
No. of journals in the cat.: 271
- 19** Sepúlveda-Crespo D; Serramía MJ; Tager A; Vrbanc V; Gómez R; de La Mata FJ; Jiménez JL; Muñoz-Fernández MA. Prevention vaginally of HIV-1 transmission in humanized BLT mice and mode of antiviral action of polyanionic carbosilane dendrimer G2-S16. *Nanomed-Nanotechnol Biol Med*. 11, pp. 1299 - 1308. Amsterdam(Holland): ELSEVIER SCIENCE BV, 2015. ISSN 1549-9634
DOI: 10.1016/j.nano.2015.04.013
PMID: 25959924
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 5.671
Position of publication: 13
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL
Journal in the top 25%: Yes
No. of journals in the cat.: 124
- 20** Sepúlveda-Crespo D; Sánchez-Rodríguez J; Serramía MJ; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. Triple combination of carbosilane dendrimers, tenofovir and maraviroc as potential microbicide to prevent HIV-1 sexual transmission. *Nanomedicine*. 10, pp. 899 - 914. London, England(United Kingdom): FUTURE MEDICINE LTD, 2015. ISSN 1743-5889
DOI: 10.2217/nnm.14.79
PMID: 25867856
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 4.889
Position of publication: 18
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - BIOTECHNOLOGY & APPLIED MICROBIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 161
- 21** Sepúlveda-Crespo D; Lorente R; Leal M; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. Synergistic activity profile of carbosilane dendrimer G2-STE16 in combination with other dendrimers and antiretrovirals as topical anti-HIV-1 microbicide. *Nanomed-Nanotechnol Biol Med*. 10, pp. 609 - 618. Amsterdam(Holland): ELSEVIER SCIENCE BV, 2014. ISSN 1549-9634
DOI: 10.1016/j.nano.2013.10.002
PMID: 24135563

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 7

Impact source: ISI

Impact index in year of publication: 6.155

Position of publication: 12

Format: Journal

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

Category: Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL

Journal in the top 25%: Yes

No. of journals in the cat.: 123

- 22** Sepúlveda-Crespo D; Jiménez JL; Muñoz-Fernández MA. Dendrimers as a candidate for microbicide in prevention of HIV-1 infection in women: steps towards their clinical evaluation - Capítulo 5. Drug Delivery Nanosystems: From Bioinspiration and Biomimetics to Clinical Applications. pp. 173 - 206. (Singapore): Pan Stanford Publishing Pte. Ltd., 2019. ISBN 9789814774925

DOI: 10.1201/9780429490545

Type of production: Book chapter

Position of signature: 1

Format: Book

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

Total no. authors: 3

- 23** Jiménez JL; Sepúlveda-Crespo D; Ceña-Díez R; Guerrero-Beltrán C; García-Broncano P; Rodríguez-Izquierdo I; Rodrigues J; Muñoz-Fernández MA. Nanotecnología, nanomedicina e infección por el virus de la inmunodeficiencia humana - Capítulo 4. Nanotecnología y Células dendríticas en el desarrollo de una vacuna terapéutica frente al VIH. pp. 42 - 53. (Spain): Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo (CYTED), 2017. ISBN 978-84-15413-50-9

Type of production: Book chapter

Position of signature: 2

Format: Book

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

Total no. authors: 8

Relevant results: <http://www.cytel.org/es/biblioteca/nanomedicina-y-celulasdendríticas-en-el-desarrollo-de-una-vacuna-terapeutica-frente-al>

- 24** Perisé-Barrios AJ; Sepúlveda-Crespo D; Shcharbin D; Rasines B; Gómez R; Klajnert-Maculewicz B; Bryszewska M; de La Mata FJ; Muñoz-Fernández MA. Dendrimers - Capítulo 7. Soft Nanoparticles for Biomedical Applications. 2014-January, pp. 246 - 279. Cambridge, England(United Kingdom): ROYAL SOC CHEMISTRY, 2014. ISBN 978-1-84973-811-8

DOI: 10.1039/9781782625216

Type of production: Book chapter

Position of signature: 2

Format: Book

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

Total no. authors: 9

- 25** Rodríguez-Izquierdo I; Sepúlveda-Crespo D; Lasso JM; Resino S; Muñoz-Fernández MA. Baseline and time-updated factors in preclinical development of anionic dendrimers as successful anti-HIV -1 vaginal microbicides. Wiley Interdiscip Rev-Nanomed Nanobiotechnol. 14 - 3, pp. e1774. Hoboken, NJ(United States of America): WILEY, 2022. ISSN 1939-5116

DOI: 10.1002/wnan.1774

PMID: 35018739

Type of production: Review

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

Impact source: ISI

Impact index in year of publication: 9.423
Position of publication: 20

Category: Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL

Journal in the top 25%: Yes

No. of journals in the cat.: 139

- 26** Daniel Sepúlveda Crespo; Salvador Resino; Isidoro Martínez. Strategies Targeting the Innate Immune Response for the Treatment of Hepatitis C Virus-Associated Liver Fibrosis. *Drugs*. 81, pp. 419 - 443. Auckland(New Zealand): ADIS INT LTD, 2021. ISSN 0012-6667

DOI: 10.1007/s40265-020-01458-x

PMID: 33400242

Type of production: Review

Position of signature: 1

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 11.431

Position of publication: 2

Format: Journal

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

Category: Science Edition - TOXICOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 94

- 27** Sepúlveda-Crespo D; Reguera RM; Rojo-Vázquez F; Balaña-Fouce R; Martínez-Valladares M. Drug discovery technologies: *Caenorhabditis elegans* as a model for anthelmintic therapeutics. *Med Res Rev*. 40, pp. 1715 - 1753. Hoboken, NJ(United States of America): WILEY, 2020. ISSN 0198-6325

DOI: 10.1002/med.21668

PMID: 32166776

Type of production: Review

Position of signature: 1

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 12.944

Position of publication: 2

Format: Journal

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

Category: Science Edition - CHEMISTRY, MEDICINAL

Journal in the top 25%: Yes

No. of journals in the cat.: 63

- 28** Sepúlveda-Crespo D; Resino S; Martínez I. Hepatitis C virus vaccine design: Focus on the humoral immune response. *J Biomed Sci*. 27, pp. 78. London, England(United Kingdom): BMC, 2020. ISSN 1021-7770

DOI: 10.1186/s12929-020-00669-4

PMID: 32631318

Type of production: Review

Position of signature: 1

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 5.762

Position of publication: 17

Format: Journal

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

Category: Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL

Journal in the top 25%: Yes

No. of journals in the cat.: 138

- 29** Sepúlveda-Crespo D; Resino S; Martínez I. Innate Immune Response against Hepatitis C Virus: Targets for Vaccine Adjuvants. *Vaccines*. 8 - 2, pp. 313. Basel(Switzerland): MDPI, 2020. ISSN 2076-393X

DOI: 10.3390/vaccines8020313

PMID: 32560440

Type of production: Review

Position of signature: 1

Format: Journal

**Total no. authors:** 3**Impact source:** ISI**Impact index in year of publication:** 4.422**Position of publication:** 74**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Category:** Science Edition - IMMUNOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 162

- 30** Álvarez-Bardón M; Pérez-Pertejo Y; Ordóñez C; Sepúlveda-Crespo D; Carballeira NM; Tekwani BL; Murugesan S; Martínez-Valladares M; García-Estrada C; Reguera RM; Balaña-Fouce R. Screening marine natural products for new drug leads against trypanosomatids and malaria. Mar Drugs. 18 - 4, pp. 187. Basel(Switzerland): MDPI, 2020. ISSN 1660-3397

DOI: 10.3390/md18040187**PMID:** 32244488**Type of production:** Review**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:** 11**Impact source:** ISI**Impact index in year of publication:** 5.118**Position of publication:** 12**Category:** Science Edition - CHEMISTRY, MEDICINAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 63

- 31** Sepúlveda-Crespo D; Ceña-Díez R; Jiménez JL; Muñoz-Fernández MA. Mechanistic Studies of Viral Entry: An Overview of Dendrimer-Based Microbicides As Entry Inhibitors Against Both HIV and HSV-2 Overlapped Infections. Med Res Rev. 37, pp. 149 - 179. Hoboken, NJ(United States of America): WILEY, 2017. ISSN 0198-6325

DOI: 10.1002/med.21405**PMID:** 27518199**Type of production:** Review**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:** 4**Impact source:** ISI**Impact index in year of publication:** 8.290**Position of publication:** 2**Category:** Science Edition - CHEMISTRY, MEDICINAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 59

- 32** Ceña-Díez R; Sepúlveda-Crespo D; Maly M; Muñoz-Fernández MA. Dendrimeric based microbicides against sexual transmitted infections associated to heparan sulfate. RSC Adv. 6, pp. 46755 - 46764. Cambridge, England(United Kingdom): ROYAL SOC CHEMISTRY, 2016. ISSN 2046-2069

DOI: 10.1039/c6ra06969j**Type of production:** Review**Position of signature:** 2**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 3.108**Position of publication:** 59**Category:** Science Edition - CHEMISTRY, MULTIDISCIPLINARY**Journal in the top 25%:** No**No. of journals in the cat.:** 166



- 33** Sepúlveda-Crespo D; Gómez R; de La Mata FJ; Jiménez JL; Muñoz-Fernández MA. Polyanionic carboxylate dendrimer-conjugated antiviral drugs as efficient microbicides: Recent trends and developments in HIV treatment/therapy. *Nanomed-Nanotechnol Biol Med.* 11, pp. 1481 - 1498. Amsterdam(Holland): ELSEVIER SCIENCE BV, 2015. ISSN 1549-9634
DOI: 10.1016/j.nano.2015.03.008
PMID: 25835558
Type of production: Review
Position of signature: 1
Total no. authors: 5
Impact source: ISI
Impact index in year of publication: 5.671
Position of publication: 13
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Science Edition - MEDICINE, RESEARCH & EXPERIMENTAL
Journal in the top 25%: Yes
No. of journals in the cat.: 124

Works submitted to national or international conferences

- 1** **Title of the work:** Altos niveles de sTNF-R1 se asocian con la pérdida del control natural de la infección VIH en controladores de élite a largo plazo
Name of the conference: XXV Congress of the Spanish Society of Infectious Diseases and Clinical Microbiology
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Granada, Andalusia, Spain
Date of event: 02/06/2022
End date: 04/06/2022
Organising entity: Grupo de Estudio de SIDA-SEIMC
Type of entity: Associations and Groups
 Sepúlveda-Crespo D; Rallón N; Muñoz-Gómez MJ; Brochado-Kith O; Jiménez JL; Muñoz-Fernández MA; Benito JM; Resino S. ISBN 978-84-09-40989-1
- 2** **Title of the work:** Respuesta de anticuerpos frente a la proteína "Spike" del SARS-CoV-2 en madres y niños desde el parto hasta seis meses después
Name of the conference: XXV Congress of the Spanish Society of Infectious Diseases and Clinical Microbiology
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Granada, Andalusia, Spain
Date of event: 02/06/2022
End date: 04/06/2022
Organising entity: Grupo de Estudio de SIDA-SEIMC
Type of entity: Associations and Groups
 Martín-Vicente M; Carrasco I; Muñoz-Gómez MJ; Hernanz-Lobo A; Mas V; Vigil-Vázquez S; Vázquez M; Manzanares A; Cano O; Alonso R; Sepúlveda-Crespo D; Tarancón-Díez L; Muñoz-Fernández MA; Resino S; Navarro ML; Martínez I. ISBN 978-84-09-40989-1
- 3** **Title of the work:** Decrease of neutralizing antibodies against the HCV in HIV/HCV-coinfected patients with advanced chronic hepatitis C after HCV clearance by direct-acting antivirals
Name of the conference: XII National Congress of GESIDA and 14th Teaching Meeting of the RIS
Type of event: Conference
Type of participation: 'Participatory - poster



City of event: Málaga, Andalusia, Spain

Date of event: 29/11/2021

End date: 02/12/2021

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Sepúlveda-Crespo D; Díez C; Hontañón V; Berenguer J; González-García J; Ibañez-Samaniego L; Llop E; Pérez-Latorre L; Busca C; Oliveira A; Martínez J; Yélamos M.B.; Gómez J; Resino S; Martínez I. 39, pp. 57 - 58. ISSN 0213-005X

- 4 Title of the work:** Hepatitis C aguda: Características epidemiológicas y respuesta al tratamiento en una gran cohorte de HSH que viven con VIH en Madrid

Name of the conference: XII National Congress of GESIDA and 14th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Málaga, Andalusia, Spain

Date of event: 29/11/2021

End date: 02/12/2021

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Martín-Carbonero L; Gutierrez-Liarte Á; Bisbal O; Vergas J; Rodríguez-Martín C; Vivancos M.J.; Sanz J; Álvarez B; Palomar M; Sepúlveda-Crespo D; Resino S; de los Santos I; Ryan P. 39, pp. 6 - 6. ISSN 0213-005X

- 5 Title of the work:** La eliminación del VHC con antivirales de acción directa mejora marcadores hepáticos e inmunológicos en pacientes coinfectados HIV/HCV

Name of the conference: XII National Congress of GESIDA and 14th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: Participatory - poster

City of event: Málaga, Andalusia, Spain

Date of event: 29/11/2021

End date: 02/12/2021

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Brochado Kith Ó; Martínez González I; Berenguer J; González-García J; Salguero S; Sepúlveda-Crespo D; Díez C; Hontañón V; Ibañez Samaniego L; Pérez Latorre L; Fernández Rodríguez A; Jiménez Sousa M.A.; Resino S. 39, pp. 58 - 59. ISSN 0213-005X

- 6 Title of the work:** Hepatitis C aguda: Características epidemiológicas y respuesta al tratamiento en una gran cohorte de HSH que viven con VIH en Madrid

Name of the conference: 6th GEHEP National Congress. Viral Hepatitis Study Group

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Virtual, Spain

Date of event: 21/09/2021

End date: 23/09/2021

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Gutierrez-Liarte Á; Martín-Carbonero L; Bisbal Pardo O; Vergas García J; Rodríguez-Martín C; Vivancos Gallego M.J.; Sanz Moreno J; Álvarez Álvarez B; Palomar M; Sepúlveda-Crespo D; Resino García S; Ryan Murua P; de los Santos Gil I.



- 7** **Title of the work:** Titer and breadth of anti-hepatitis C virus E2-glycoprotein antibodies in cirrhotic patients after direct antiviral agent therapy
Name of the conference: The International Liver Congress 2021
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Amsterdam, Holland
Date of event: 23/06/2021
End date: 26/06/2021
Organising entity: EASL
 Sepúlveda-Crespo D; Díez C; Hontañón V; Berenguer J; González-García J; Ibañez-Samaniego L; Llop E; Pérez-Latorre L; Busca C; Oliveira A; Martínez J; Belén Yélamos B; Gómez J; Resino S; Martínez I. 75 - S2, pp. 781 - 782. ELSEVIER, ISSN 0168-8278
- 8** **Title of the work:** A combined, automated high-throughput system for the quantification of the viability of the free-living nematode *C. elegans*
Name of the conference: Combatting anthelmintic resistance in ruminants-American Consortium for Small Ruminant Parasite Control (COMBAR-ACSRPC) meeting
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Ghent, Belgium
Date of event: 27/08/2019
End date: 29/08/2019
Organising entity: Ghent University
 Sepúlveda-Crespo D; Valderas-García E; Martínez-Valladares M; Balaña-Fouce R. pp. 88 - 88.
- 9** **Title of the work:** Biosafety of the microbicide G2-S16 regarding its effects on the vaginal immune system
Name of the conference: XV National Congress of Virology / 11th International Meeting Global Virus Network
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Barcelona, Catalonia, Spain
Date of event: 09/06/2019
End date: 12/06/2019
Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA
 Martín Moreno A; Sepúlveda-Crespo D; Perisé-Barrios AJ; Serramía MJ; Muñoz-Fernández MA. pp. 59 - 59.
- 10** **Title of the work:** G2-S16 Dendrimer as a New Innovative a Promising Drug Close to a Clinical Trial
Name of the conference: HIV Research for Prevention (HIVR4P 2018)
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Community of Madrid, Spain
Date of event: 21/10/2018
End date: 25/10/2018
Organising entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
 Ceña-Diez R; Guerrero-Beltrán C; Rodríguez-Izquierdo I; Serramía MJ; Sepúlveda-Crespo D; Jiménez JL; Muñoz-Fernández MA. pp. 363 - 363. ISSN 0889-2229
- 11** **Title of the work:** New anionic carbosilane dendrimers with a polyphenolic core induce irreversible Env gp120 shedding and inactivation of HIV-1 virions
Name of the conference: IX National Congress of GESIDA and 11th Teaching Meeting of the RIS
Type of event: Conference



Type of participation: 'Participatory - poster

City of event: Vigo, Galicia, Spain

Date of event: 28/11/2017

End date: 01/12/2017

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Sepúlveda-Crespo D; Muñoz-Fernández MA. 35, pp. 94 - 94. ISSN 0213-005X

- 12 Title of the work:** Anti-HIV-1 virucidal activity of a family of polyanionic carbosilane dendrimers containing a polyphenolic core as topical microbicides

Name of the conference: XIV National Congress of Virology

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Cádiz, Andalusia, Spain

Date of event: 11/06/2017

End date: 14/06/2017

Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA

Sepúlveda-Crespo D; Jiménez JL; Muñoz-Fernández MA. 20, pp. 132 - 133. ISSN 2172-6523

- 13 Title of the work:** Nanotecnología y posible aplicación frente a virus emergentes

Name of the conference: VIII Monographic Conference of the SEV

Type of event: Workshop

Type of participation: Participatory - invited/keynote talk

City of event: Sevilla, Andalusia, Spain

Date of event: 14/12/2016

End date: 15/12/2016

Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA

Sepúlveda-Crespo D.

- 14 Title of the work:** Búsqueda y desarrollo de nuevos microbicidas: dendrones polianiónicos carbosilano frente a la coinfección VHS-2/VIH-1

Name of the conference: VIII National Congress of GESIDA and 10th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Donostia - San Sebastián, Basque Country, Spain

Date of event: 29/11/2016

End date: 02/12/2016

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Guerrero-Beltrán C; Ceña-Diez R; Sepúlveda-Crespo D; de la Mata FJ; Gómez R; Jiménez JL; Muñoz-Fernández MA. 34, pp. 91 - 91. ISSN 0213-005X

- 15 Title of the work:** Virucidal activity of a novel family of polyanionic carbosilane dendrimers containing polyphenolic core as anti-HIV-1 microbicides

Name of the conference: VIII National Congress of GESIDA and 10th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Donostia - San Sebastián, Basque Country, Spain

Date of event: 29/11/2016

End date: 02/12/2016

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups



Sepúlveda-Crespo D; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 34, pp. 92 - 92. ISSN 0213-005X

- 16** **Title of the work:** Development of new potential microbicides: polyanionic carbosilane dendrons with fatty acids at the core against HIV-1/HSV-2 coinfection
Name of the conference: 5th International Symposium on Biomedical Applications of Dendrimers
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Copenhagen, Denmark
Date of event: 02/08/2016
End date: 05/08/2016
Organising entity: BIODENDRIMER
 Guerrero-Beltrán C; Sepúlveda-Crespo D; Ceña-Díez R; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. pp. 57 - 57.
- 17** **Title of the work:** The key role of new carbosilane dendrimers and dendrons with dual prevention against the HSV-2/HIV-1 co-infection as topical vaginal microbicides: characterization and proof-of-concept
Name of the conference: Clinical Nanomedicine and Targeted Medicine (CLINAM) 2016
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Basilea, Switzerland
Date of event: 26/06/2016
End date: 29/06/2016
Organising entity: European Foundation for Clinical Nanomedicine
 Muñoz-Fernández MA; Sepúlveda-Crespo D; Ceña-Díez R; Guerrero-Beltrán C; García-Broncano P; Gómez R; de la Mata FJ; Jiménez JL. pp. 229 - 230.
- 18** **Title of the work:** Screening and selection of polyanionic carbosilane dendrimers as novel entry inhibitors against the HCV infection in hepatocytes
Name of the conference: VII Monographic Conference of the SEV
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
City of event: Madrid, Community of Madrid, Spain
Date of event: 14/12/2015
End date: 15/12/2015
Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA
 Sepúlveda-Crespo D.
- 19** **Title of the work:** 3% polyanionic carbosilane dendrimer G2-S16 applied topically to humanized BLT mice shows protection from vaginal HIV-1 infection as new microbicide candidate
Name of the conference: VII National Congress of GESIDA and 9th Teaching Meeting of the RIS
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Madrid, Community of Madrid, Spain
Date of event: 01/12/2015
End date: 04/12/2015
Organising entity: Grupo de Estudio de SIDA-SEIMC
Type of entity: Associations and Groups
 Sepúlveda-Crespo D; Serramía MJ; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 33, pp. 80 - 80. ISSN 0213-005X

20 Title of the work: Análisis de la actividad antiviral frente a VIH-1/VHS-2 de nuevos dendrones polianiónicos carbosilano como posibles microbicidas a nivel tópico

Name of the conference: VII National Congress of GESIDA and 9th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Madrid, Community of Madrid, Spain

Date of event: 01/12/2015

End date: 04/12/2015

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Guerrero-Beltrán FJ; Ceña-Díez R; Sepúlveda-Crespo D; Serramía MJ; de la Mata FJ; Gómez R; Muñoz-Fernández MA. 33, pp. 67 - 68. ISSN 0213-005X

21 Title of the work: Nanotechnology and the HIV-1 infection

Name of the conference: VII National Congress of GESIDA and 9th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: Participatory - invited/keynote talk

City of event: Madrid, Community of Madrid, Spain

Date of event: 01/12/2015

End date: 04/12/2015

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Sepúlveda-Crespo D. 33, ISSN 0213-005X

22 Title of the work: Screening of several polyanionic carbosilane dendrimers with antiviral activity against hepatitis C virus by inhibiting virus entry in a cell culture system

Name of the conference: VII National Congress of GESIDA and 9th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Madrid, Community of Madrid, Spain

Date of event: 01/12/2015

End date: 04/12/2015

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Sepúlveda-Crespo D; Majano PL; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA; Gastaminza P. 33, pp. 2 - 2. ISSN 0213-005X

23 Title of the work: Analysis of dual antiviral activity against HIV-1/HSV-2 of new polyanionic carbosilane dendrons with fatty acids at the core as a topical microbicde

Name of the conference: XIII National Congress of Virology

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Madrid, Community of Madrid, Spain

Date of event: 07/06/2015

End date: 10/06/2015

Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA

Guerrero-Beltrán C; Ceña-Díez R; Sepúlveda-Crespo D; Jiménez JL; Gómez R; de la Mata FJ; Muñoz-Fernández MA. 18, pp. 176 - 177. ISSN 2172-6523

24 Title of the work: Antiviral Activity of Polyanionic Carbosilane Dendrimers against Hepatitis C Virus in Cell Culture

Name of the conference: XIII National Congress of Virology



Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Madrid, Community of Madrid, Spain

Date of event: 07/06/2015

End date: 10/06/2015

Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA

Sepúlveda-Crespo D; Majano PL; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA; Gastaminza P. 18, pp. 118 - 118. ISSN 2172-6523

- 25 Title of the work:** Prevention of HIV-1 vaginal transmission and mode of antiviral action by topical polyanionic carbosilane dendrimer G2-S16 in humanized BLT mice

Name of the conference: XIII National Congress of Virology

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Madrid, Community of Madrid, Spain

Date of event: 07/06/2015

End date: 10/06/2015

Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA

Sepúlveda-Crespo D; Serramía MJ; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 18, pp. 67 - 67. ISSN 2172-6523

- 26 Title of the work:** Effectiveness of bitherapy and triple combination therapy as microbicide with polyanionic carbosilane dendrimers, tenofovir and maraviroc for HIV-1 prevention

Name of the conference: VI Congress of GESIDA and 8th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Málaga, Andalusia, Spain

Date of event: 25/11/2014

End date: 28/11/2014

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Sepúlveda-Crespo D; Sánchez-Rodríguez J; Lorente R; Serramía MJ; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 32, ISSN 0213-005X

- 27 Title of the work:** Effectiveness of bitherapy and triple combination therapy as microbicide with polyanionic carbosilane dendrimers, tenofovir and maraviroc for HIV-1 prevention

Name of the conference: VI Congress of GESIDA and 8th Teaching Meeting of the RIS

Type of event: Conference

Type of participation: Participatory - poster

City of event: Málaga, Andalusia, Spain

Date of event: 25/11/2014

End date: 28/11/2014

Organising entity: Grupo de Estudio de SIDA-SEIMC

Type of entity: Associations and Groups

Sepúlveda-Crespo D; Sánchez-Rodríguez J; Lorente R; Serramía MJ; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 32, pp. 56 - 56. ISSN 0213-005X

- 28 Title of the work:** Proof-of-concept in humanized BLT mice and mode of action of carbosilane dendrimer as potential microbicide to prevent HIV-1 sexual transmission

Name of the conference: VIII CIBER-BBN Annual Conference

Type of event: Conference

Type of participation: Participatory - poster



City of event: Girona, Catalonia, Spain

Date of event: 10/11/2014

End date: 11/11/2014

Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)
Sepúlveda-Crespo D; Serramía MJ; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA.

- 29 Title of the work:** Antiviral action of sulfonate anionic carbosilane dendrimer as a topical microbicide against HIV-1 infection

Name of the conference: HIV Research for Prevention (HIVR4P 2014)

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Cape Town, South African Republic

Date of event: 28/10/2014

End date: 31/10/2014

Organising entity: National Institute of Allergy and Infectious Diseases

Sepúlveda-Crespo D; Sánchez-Rodríguez J; Serramía MJ; López A; Alonso E; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 30, pp. 205 - 205. ISSN 0889-2229

- 30 Title of the work:** Broad-spectrum anti-HIV-1 activity of anionic carbosilane dendrimers and synergy in combination with maraviroc and tenofovir as topical microbicide

Name of the conference: HIV Research for Prevention (HIVR4P 2014)

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Cape Town, South African Republic

Date of event: 28/10/2014

End date: 31/10/2014

Organising entity: National Institute of Allergy and Infectious Diseases

Sepúlveda-Crespo D; Sánchez-Rodríguez J; Lorente R; Serramía MJ; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 30, pp. 144 - 145. ISSN 0889-2229

- 31 Title of the work:** Nanotechnology as preventive strategy against HIV-1

Name of the conference: 2nd School of Nanomedicine NANODENDMED

Type of event: Workshop

Type of participation: Participatory - invited/keynote talk

City of event: Alcalá de Henares (Madrid), Community of Madrid, Spain

Date of event: 16/10/2014

End date: 16/10/2014

Organising entity: BIOINDEN GROUP

Type of entity: Business

Sepúlveda-Crespo D.

- 32 Title of the work:** Biomedical Applications of Carbosilane Dendrimers

Name of the conference: 7th CIBER-BBN Annual Conference

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Torremolinos, Andalusia, Spain

Date of event: 21/11/2013

End date: 22/11/2013

Organising entity: CIBER BIOINGENIERIA BIOMATERIALES Y NANOMEDICINA (CIBER-BBN)

Sepúlveda-Crespo D; Lorente R; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA.



- 33** **Title of the work:** In vitro evaluation of synergism and anti-HIV-1 activity by triple combination of different carbosilane dendrimers, tenofovir and maraviroc as topical microbicide
Name of the conference: V National Congress of GESIDA and 7th Teaching Meeting of the RIS
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Sitges, Catalonia, Spain
Date of event: 19/11/2013
End date: 22/11/2013
Organising entity: Grupo de Estudio de SIDA-SEIMC
Type of entity: Associations and Groups
Sepúlveda-Crespo D; Leal M; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 31, pp. 54 - 54. ISSN 0213-005X
- 34** **Title of the work:** Synergistic activity profile of carbosilane dendrimer G2-STE16 in combination with different dendrimers and antiretrovirals as topical microbicide against HIV-1
Name of the conference: 1st School of Nanomedicine NANODENDMED
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
City of event: Alcalá de Henares (Madrid), Community of Madrid, Spain
Date of event: 16/10/2013
End date: 16/10/2013
Organising entity: BIOINDEN GROUP
Type of entity: Business
Sepúlveda-Crespo D.
- 35** **Title of the work:** Synergistic activity profile of different carbosilane dendrimer and antiretrovirals as topical microbicide against HIV-1
Name of the conference: VIII International Symposium of dendrimers (IDS8)
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Madrid, Community of Madrid, Spain
Date of event: 23/06/2013
End date: 27/06/2013
Organising entity: Hospital General Universitario Gregorio Marañón
Type of entity: Healthcare Institutions
Sepúlveda-Crespo D; Lorente R; Leal M; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. pp. 83 - 83.
- 36** **Title of the work:** Anti-HIV activity of thiol-ene carbosilane dendrimers and potential topical microbicide
Name of the conference: XII National Congress of Virology
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Burgos, Castile and León, Spain
Date of event: 09/06/2013
End date: 12/06/2013
Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA
Sánchez-Rodríguez J; Galán M; Sepúlveda-Crespo D; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 16, pp. 145 - 146. ISSN 1133-0384
- 37** **Title of the work:** Synergistic activity profile of carbosilane dendrimer G2-STE16 in combination with different dendrimers and antiretrovirals as topical microbicide against HIV-1
Name of the conference: XII National Congress of Virology
Type of event: Conference



Type of participation: 'Participatory - poster

City of event: Burgos, Castile and León, Spain

Date of event: 09/06/2013

End date: 12/06/2013

Organising entity: SOCIEDAD ESPAÑOLA DE VIROLOGIA

Sepúlveda-Crespo D; Lorente R; Sánchez-Nieves J; Gómez R; de la Mata FJ; Jiménez JL; Muñoz-Fernández MA. 16, pp. 273 - 274. ISSN 1133-0384

Other dissemination activities

- 1** **Title of the work:** Confirm the effectiveness of a simpler, faster and cheaper alternative to detect the hepatitis C virus and diagnose active infection
Name of the event: Divulgación
Type of event: Media interviews
Date of event: 07/02/2023
Organising entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
City organizing entity: Madrid, Spain
Sepúlveda-Crespo D. "Other media: Salud a Diario, Diario de CLM, Infosalus, Redacción Médica, La Vanguardia, Noticias de Salud, Servimedia, Europa Press". Available on-line at: <<https://www.isciii.es/Noticias/Noticias/Paginas/Noticias/Metan%3%a1lisis-CNM-diagn%3%b3stico-hepatitis-C.aspx>>.
- 2** **Title of the work:** Air pollution aggravates bronchiolitis and pneumonia
Name of the event: Divulgación
Type of event: Short article
Date of event: 22/11/2022
Organising entity: The Conversation **Type of entity:** Associations and Groups
City organizing entity: Madrid, Spain
Sepúlveda-Crespo D; Resino S; Martinez I. "Other media: RPP Noticias (Perú), Onda Cero Radio, León Noticias, RTVE, La Verdad (Murcia)...". Available on-line at: <<https://theconversation.com/la-contaminacion-atmosferica-agrava-las-bronquiolitis-y-las-neumonias-194648>>. ISSN 2201-5639
- 3** **Title of the work:** Innate Immune Response against Hepatitis C Virus
Name of the event: Divulgación
Type of event: Encyclopedia
Date of event: 05/08/2022
Organising entity: MDPI
City organizing entity: Basel, Switzerland
Sepúlveda-Crespo D; Resino S; Martinez I. Available on-line at: <<https://encyclopedia.pub/entry/25898>>. ISSN 2673-8392

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: Member of the External Scientific Committee of the HGM HIV Biobank
Affiliation entity: Hospital General Universitario Gregorio Marañón
Type of entity: Healthcare Institutions
City affiliation entity: Madrid, Community of Madrid, Spain
Start date: 22/07/2022

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Instituto de Salud Carlos III
Faculty, institute or centre: Viral Infection and Immunity Unit. National Center for Microbiology
City of entity: Majadahonda (Madrid), Community of Madrid, Spain
Start-End date: 05/03/2020 - 08/07/2021
Duration: 1 year - 4 months
Goals of the stay: Post-doctoral
Provable tasks: To assess the impact of HCV infection clearance and its evolution after HCV eradication by using neutralizing antibodies, immunogens, and novel nanocomposites
- 2** **Entity:** Universidad de León
Faculty, institute or centre: Veterinary Faculty
City of entity: León, Castile and León, Spain
Start-End date: 01/01/2018 - 31/10/2019
Duration: 1 year - 10 months
Goals of the stay: Post-doctoral
Provable tasks: To discover drugs for neglected tropical diseases produced by human-threatening parasites, including gastrointestinal helminths, and develop new in vitro HTS methods to detect the efficacy of anthelmintic drugs
- 3** **Entity:** Universidad de Madeira, Centro de Investigação Química da Madeira
City of entity: Funchal, Região Autónoma da Madeira, Portugal
Start-End date: 01/08/2015 - 01/11/2015
Duration: 3 months
Goals of the stay: Doctorate
Provable tasks: To synthesize and characterize new dendrimers and metallo-dendrimers for biomedical applications.
- 4** **Entity:** Centro Nacional de Biotecnología
Faculty, institute or centre: Departamento de Biología Molecular y Celular
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 01/06/2014 - 31/05/2015
Duration: 12 months
Goals of the stay: Doctorate
Provable tasks: To find new preventive and therapeutic strategies against the Hepatitis C Virus



- 5** **Entity:** Centro de Biología Molecular Severo Ochoa **Type of entity:** State agency
Faculty, institute or centre: Departamento de Virología y Microbiología
City of entity: Madrid, Community of Madrid, Spain
Start-End date: 24/10/2013 - 27/11/2013 **Duration:** 1 month - 3 days
Goals of the stay: Doctorate
Provable tasks: To optimize techniques based on hepatocytes cell culture of HCV

Obtained grants and scholarships

- 1** **Name of the grant:** ONCE Foundation Scholarship Program "Opportunity for Talent". Research modality
City awarding entity: Madrid, Community of Madrid, Spain
Aims: Post-doctoral
Awarding entity: Fundación ONCE **Type of entity:** Foundation
Amount of the grant: 28.000 €
Conferral date: 10/12/2020 **Duration:** 1 year
End date: 20/02/2022
Entity where activity was carried out: Instituto de Salud Carlos III
Faculty, institute or centre: Centro Nacional de Microbiología
- 2** **Name of the grant:** ONCE Foundation Scholarship Program "Opportunity for Talent". Research modality
City awarding entity: Madrid, Community of Madrid, Spain
Aims: Post-doctoral
Awarding entity: Fundación ONCE **Type of entity:** Foundation
Amount of the grant: 25.000 €
Conferral date: 05/12/2019 **Duration:** 1 year
End date: 20/02/2021
Entity where activity was carried out: Instituto de Salud Carlos III
Faculty, institute or centre: Centro Nacional de Microbiología

Editorial councils

- 1** **Name of the editorial council:** Medicinal Research Reviews (ISSN:1098-1128)
Start date: 21/10/2021
- 2** **Name of the editorial council:** ReAudito Mercury (<https://mercury.reaudito.com/#/>)
Start date: 31/08/2019

Co-operation networks

Name of the network: IMIENS-ISCIH
Participating entity/entities: Universidad Nacional **Type of entity:** University; Public Research Body
 de Educación a Distancia; Instituto de Salud Carlos III
Tasks carried out: Professor and practice director. PhD in Biomedical Sciences and Public Health
Start date: 11/08/2022



Obtained accreditations/recognitions

- 1** **Description:** Accreditation in the figure of Assistant Professor Doctor
Accrediting entity: Agencia Nacional de Evaluación **Type of entity:** Agency de la Calidad y Acreditación
Date of recognition: 23/06/2020
- 2** **Description:** Accreditation in the figure of Associate Professor Doctor
Accrediting entity: Agencia Nacional de Evaluación **Type of entity:** Agency de la Calidad y Acreditación
Date of recognition: 23/06/2020
- 3** **Description:** Accreditation in the figure of Professor of Private University
Accrediting entity: Agencia Nacional de Evaluación **Type of entity:** Agency de la Calidad y Acreditación
Date of recognition: 23/06/2020