



Christian Claude Lachaud

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Date of document: 14/09/2023

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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.

- a) Total number of publications: 20
- b) Publications as first author: 8
- c) Publications as last author: 1
- d) Corresponding author: 2
- e) Publications in Q1: 12
- f) Number of Patent: 1
- g) Total number citations Scientific Papers: 578
- h) Number of projects as principal investigator: 1
- i) Participations in projects: 12 j) Participation in Conferences: 20
- k) Number of students supervised: 1
- l) Book chapters: 4



Christian Claude Lachaud

Surname(s): **Lachaud**
 Name: **Christian Claude**
 ORCID: **0000-0001-8698-4589**
 ScopusID: **54882091900**
 ResearcherID: **C-2036-2017**
 Date of birth: **04/09/1974**
 Nationality: **France**
 Country of birth: **France**
 Aut. region/reg. of birth: **Pays de la Loire**
 City of birth: **Saint-Nazaire**
 Contact aut. region/reg.: **Andalusia**
 Email: **christian.lachaud@cabimer.es**

Current professional situation

Employing entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD

Department: Integrative Pathophysiology and Therapies, Andalusian Molecular Biology and Regenerative Medicine Centre (CABIMER)

Professional category: Postdoctoral Researcher

Start date: 2006

Type of contract: Temporary employment contract **Dedication regime:** Full time

Primary (UNESCO code): 240000 - Life Science

Secondary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology; 241200 - Immunology; 241500 - Molecular biology

Performed tasks: Development of advanced adult stem cell-based therapies for T1DM and corneal regeneration

Identify key words: Laboratoy animals; Cell culture; Tissue culture; Cell biology; Biological engineering

Employing entity: FUNDACION PUBLICA ANDALUZA PROGRESO Y SALUD

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad Miguel Hernández de Elche	Postdoctoral Researcher	01/06/2004
2	Universidad de Granada	Ph.D student	1999

1 **Employing entity:** Universidad Miguel Hernández **Type of entity:** University de Elche

Department: Instituto de Bioingeniería

City employing entity: San Juan de Alicante, Valencian Community, Spain

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

Start-End date: 01/06/2004 - 31/12/2005

Duration: 1 year - 6 months



Type of contract: Temporary employment contract

Performed tasks: Study of the transdifferentiation potential of macrophages to insulin-producing cells.

2 **Employing entity:** Universidad de Granada

Department: Bioquímica, Facultad de Ciencias

Professional category: Ph.D student

Start-End date: 1999 - 2003

Type of contract: sin contrato

Performed tasks: Study of in vitro cell death mechanisms in human spermatozoa and Sertoli Cells.

Type of entity: University

Educational Management (Yes/No): No

Duration: 4 years



Education

University education

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

- 1 **University degree:** Higher degree
Name of qualification: MSc in Biochemistry
Degree awarding entity: University of Nantes (France)
Date of qualification: 1998

- 2 **University degree:** Higher degree
Name of qualification: BSc Biochemistry
Degree awarding entity: University of Nantes
Date of qualification: 1997

Doctorates

Doctorate programme: PhD in Biochemistry
Degree awarding entity: University of Granada (Spain)
Date of degree: 2003

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1
French	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2

Teaching experience

Experience supervising doctoral thesis and/or final year projects

Project title: Caracterización del potencial inmunorregulador de células mesoteliales de tejido adiposo visceral:
 Caracterización del potencial inmunorregulador de células mesoteliales de tejido adiposo visceral
Entity: CABIMER **Type of entity:** Public Research Body
Student: Diana Rubio Contreras
Date of reading: 06/06/2016



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:** ESTUDIO DEL MECANISMO DE TRANSREGENERACION ACTIVADO POR EL SISTEMA INMUNE A TRAVES DE LRH1: TERAPIA BASADA EN PROCESOS DE CICATRIZACION DE HERIDAS PARA TRATAR LA DIABETES T1
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Sevilla, Andalusia, Spain
Nº of researchers: 9
Start-End date: 2021 - 2024
- 2** **Name of the project:** Red de Terapia Celular TERCEL, Programa RETICS, Convocatoria 2016 (RD16/0011/0034)
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Bernat Soria Escoms
Start-End date: 2017 - 2021
Total amount: 156.244 €
- 3** **Name of the project:** +VIDA project: Prevención de las Complicaciones Neurológicas del Tratamiento del Cáncer Infantil (reference number: 2018-000237)
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Vivian Capilla Gonzalez
Funding entity or bodies:
'Precipita' platform of the Spanish Foundation for Science and Technology (FECYT) **Type of entity:** State agency
Start-End date: 2019 - 2020
Total amount: 11.040 €
- 4** **Name of the project:** Trasplante de Células Troncales Mesenquimales Autólogas de origen adiposo para el tratamiento de enfermedades corneales
Entity where project took place: Instituto de Salud Carlos III
Type of entity: Public Research Body
City of entity: San Juan de Alicante, Valencian Community, Spain
Nº of researchers: 10
Start-End date: 2018 - 2020
Total amount: 171.820 €



- 5** **Name of the project:** Diseño de un Nodo Intraperitoneal Bioartificial Antiinflamatorio e Immunomodulador para el tratamiento de la Diabetes tipo 1 (IBRAHIM-1)
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Bernat Soria Escoms
Funding entity or bodies: Instituto de Salud Carlos III
Type of entity: Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Start-End date: 2017 - 2020
Total amount: 147.620 €
- 6** **Name of the project:** Bioingeniería de un endotelio corneal biomimético con células mesoteliales (PI-0007-2016)
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Seville, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Principal Investigator
Nº of researchers: 6
Funding entity or bodies: Consejería de Salud de la Junta de Andalucía
Type of entity: .
City funding entity: Sevilla, Andalusia, Spain
Start-End date: 2016 - 2019
Total amount: 40.210,03 €
- 7** **Name of the project:** Terapia Combinada con Células Mesenquimales y Células T-reguladoras de Cordón Umbilical en la Diabetes Mellitus Tipo1 (PI14/01015)
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Bernat Soria Escoms
Funding entity or bodies: Instituto de Salud Carlos III
Type of entity: Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Start-End date: 2015 - 2017
Total amount: 147.015 €
- 8** **Name of the project:** Red Española de Terapia Celular RD12/0019/0028
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Seville, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Bernat Soria Escoms
Funding entity or bodies: Instituto de Salud Carlos III
Type of entity: Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Start-End date: 2013 - 2016
Total amount: 257.168 €



- 9** **Name of the project:** Convenio de colaboración entre la Consejería de Salud de la Junta de Andalucía, y el Instituto de Salud Carlos III para la investigación en Terapia Celular y Medicina Regenerativa
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Seville, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Bernat Soria Escoms
Start-End date: 2008 - 2011
- 10** **Name of the project:** FIS (PI052106)
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Bernat Soria Escoms
Start-End date: 2006 - 2009
- 11** **Name of the project:** Red Española de Terapia Celular RD06/0015/0025-ISC-III
Entity where project took place: Centro Andaluz de Biología Molecular y Medicina Regenerativa
Type of entity: Public Research Body
City of entity: Sevilla, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Bernat Soria Escoms
Funding entity or bodies: Instituto de Salud Carlos III
Type of entity: Public Research Body
City funding entity: Majadahonda, Community of Madrid, Spain
Start date: 2007

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

- 1** **Name of the project:** Postdoctoral Researcher contract, Fundación Progreso y Salud (Consejería de Salud, Junta de Andalucía). 2006
- 2** **Name of the project:** Postdoctoral Researcher contract, Instituto de Bioingeniería (San Juan de Alicante); Universidad Miguel Hernandez. 2004-2006

Results

Industrial and intellectual property

Title registered industrial property: USE OF MESOTHELIAL CELLS IN TISSUE BIOENGINEERING AND ARTIFICIAL TISSUES

Inventors/authors/obtainers: JORGE LUIS ALIÓ SANZ; BERNAT SORIA ESCOMS; CHRISTIAN CLAUDE LACHAUD; ABDELKRIM HMADCHA AFIF; NATALIA ESCACENA ACOSTA; ELENA QUESADA FERNANDEZ; FELIPE SORIA

Entity holder of rights: Fundación Pública Andaluza Progreso Y Salud, Instituto De Salud Carlos Iii, Vissum Corporación, New Biotechnic Sa.

Nº of application: PCT/EP2014/061746

Country of inscription: Spain, Andalusia

Date of register: 05/06/2013

Conferral date: 05/06/2013



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Christian Claude Lachaud; Nadia Cobo Vuilleumier; Esther Fuente Martin; Irene Diaz Contreras; Etelevina Andreu Sanchez; Gladys Margot Cahuana; Juan Rigoberto Tejedo Huaman; Abdelkrim Hmadcha; Benoit Raymond Gauthier; Bernat Soria. Umbilical cord mesenchymal stromal cells transplantation delays the onset of hyperglycemia in the RIP-B7.1 mouse model of experimental autoimmune diabetes through multiple immunosuppressive and anti-inflammatory responses. *Frontiers in Cell and Developmental Biology*. Frontiers, 14/02/2023.

Type of production: Scientific paper
Position of signature: 1

Total no. authors: 10
Impact source: IN-RECS
Impact index in year of publication:

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Cell Biology
Journal in the top 25%: Yes
- 2** LRH-1/NR5A2 Agonism Triggers an Anti-Inflammatory Phenotypic Switch of Immune Cells from Patients with Type 1 Diabetes and Improves Islet Engraftment/Function. *Diabetes*. American Diabetes Association, 01/06/2022.

Type of production: Scientific paper
Position of signature: 6

Total no. authors: 18
Impact source: ISI
Impact index in year of publication:

Format: Journal
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee
Corresponding author: No
Category: Endocrinology, Diabetes and Metabolism
Journal in the top 25%: Yes
- 3** Benoit Gauthier; Diana Rubio Contreas; Juan Carlos Gomez Rosado; Luis Cristobal Capitan Morales; Abdelkrim Hmadcha; Bernat Soria Escoms; Christian Claude Lachaud. Human Omental Mesothelial Cells Impart an Immunomodulatory Landscape Impeding B- and T-Cell Activation. *International Journal of Molecular Sciences*. IJMS, 2022.

Type of production: Scientific paper
Position of signature: 7

Total no. authors: 7
Impact source: ISI
Impact index in year of publication:

Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Category: Cell Biology
Journal in the top 25%: Yes
- 4** Pozo David; Rojo-Martinez Gemma; Lorenzo Petra Isabel; Mellado-Gil José Manuel; Guerrero-Martinez José; Cobo-Vuilleumier Nadia; Comaills Valentine; Martin Vazquez Eugenia; Romero-Zerbo Sivana; Muñoz-Franco Jaime; Perez-Cabello Jesús; Rivero Canalejo Sabrina; Campos-Caro Antonio; Lachaud Christian Claude; Aguilar-Diosdado Manuel; García Fuentes Eduardo; Martin-Montalvo Alejandro; Álvarez-Dolado Manuel; Martin Franz; Bermudez-Silva Francisco; Reyes José Carlos; Gauthier Benoit Raymond. The metabesity factor HMG20A potentiates astrocyte survival and reactive astrogliosis preserving neuronal integrity. *Theranostics*. . - ., pp. 1 - 36. Ivyspring International Publisher, 21/04/2021.



Type of production: Scientific paper
Position of signature: 13

Total no. authors: 25

Impact source: ISI

Impact index in year of publication:

Format: Journal

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

Corresponding author: No

Category: Cell Biology

Journal in the top 25%: Yes

- 5** Cobo-Vuilleumier, Nadia; Lorenzo, Petra I.; Garcia Rodriguez, Noelia; Herrera Gomez, Irene de Gracia; Fuente-Martin, Esther; Lopez-Noriega, Livia; Manuel Mellado-Gil, Jose; Romero-Zerbo, Silvana-Yanina; Baquie, Mathurin; Claude Lachaud, Christian; Stifter, Katja; Perdomo, German; Bugliani, Marco; De Tata, Vincenzo; Bosco, Domenico; Parnaud, Geraldine; Pozo, David; Hmadcha, Abdelkrim; Florido, Javier P.; Toscano, Miguel G.; de Haan, Peter; Schoonjans, Kristina; Sanchez Palazon, Luis; Marchetti, Piero; Schirmbeck, Reinhold; Martin-Montalvo, Alejandro; Meda, Paolo; Soria, Bernat; Bermudez-Silva, Francisco-Javier; St-Onge, Luc; Gauthier, Benoit R.. LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. NATURE COMMUNICATIONS. 9, 2018. ISSN 2041-1723

DOI: 10.1038/s41467-018-03943-0

PMID: 29662071

Type of production: Scientific paper

Position of signature: 10

Total no. authors: 31

Impact source: ISI

Impact index in year of publication:

Source of citations: WOS

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

Category: Biochemistry, Genetics and Molecular Biology (miscellaneous)

Journal in the top 25%: Yes

Citations: 8

- 6** Lopez-Beas, Javier; Capilla-Gonzalez, Vivian; Aguilera, Yolanda; Mellado, Nuria; Lachaud, Christian C.; Martin, Franz; Smani, Tarik; Soria, Bernat; Hmadcha, Abdelkrim. miR-7 Modulates hESC Differentiation into Insulin-Producing Beta-like Cells and Contributes to Cell Maturation. MOLECULAR THERAPY-NUCLEIC ACIDS. 12, 2018. ISSN 2162-2531

DOI: 10.1016/j.omtn.2018.06.002

PMID: 30195784

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 9

Impact source: ISI

Impact index in year of publication:

Source of citations: WOS

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

Category: Molecular Biology

Journal in the top 25%: Yes

Citations: 2

- 7** Lachaud CC; Soria F; Escacena N; Quesada-Hernández E; Hmadcha A; Alío J; Soria B. Erratum. Mesothelial Cells: A Cellular Surrogate for Tissue Engineering of Corneal Endothelium. Investigative ophthalmology & visual science. 56, pp. 1679. 2015. ISSN 0146-0404

DOI: 10.1167/iovs.14-14706a

PMID: 25754854

Type of production: Scientific paper



- 8** Pezzolla, Daniela; Lopez-Beas, Javier; Lachaud, Christian C.; Dominguez-Rodriguez, Alejandro; Smani, Tarik; Hmadcha, Abdelkrim; Soria, Bernat. Resveratrol Ameliorates the Maturation Process of beta- Cell-Like Cells Obtained from an Optimized Differentiation Protocol of Human Embryonic Stem Cells. PLOS ONE. 10, 2015. ISSN 1932-6203
DOI: 10.1371/journal.pone.0119904
PMID: 25774684
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 7
Impact source: ISI
Impact index in year of publication:
Source of citations: WOS
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Biochemistry, Genetics and Molecular Biology (miscellaneous)
Journal in the top 25%: Yes
Citations: 13
- 9** Lachaud CC; Rodriguez-Campins B; Hmadcha A; Soria B. Use of Mesothelial Cells and Biological Matrices for Tissue Engineering of Simple Epithelium Surrogates. Frontiers in bioengineering and biotechnology. 3, pp. 117. 2015.
DOI: 10.3389/fbioe.2015.00117
PMID: 26347862
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 4
Impact source: ISI
Impact index in year of publication:
Degree of contribution: Author or co-author of review
Category: Biotechnology
Journal in the top 25%: Yes
- 10** Lachaud, C. C.; Lopez-Beas, J.; Soria, B.; Hmadcha, A.. EGF-induced adipose tissue mesothelial cells undergo functional vascular smooth muscle differentiation. CELL DEATH & DISEASE. 5, 2014. ISSN 2041-4889
DOI: 10.1038/cddis.2014.271
PMID: 24967966
Type of production: Scientific paper
Source of citations: WOS
Citations: 7
- 11** Lachaud, Christian C.; Soria, Felipe; Escacena, Natalia; Quesada-Hernandez, Elena; Hmadcha, Abdelkrim; Alio, Jorge; Soria, Bernat. Mesothelial Cells: A Cellular Surrogate for Tissue Engineering of Corneal Endothelium. INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE. 55, 2014. ISSN 0146-0404
DOI: 10.1167/iovs.14-14706
PMID: 25139734
Type of production: Scientific paper
Position of signature: 1
Total no. authors: 7
Impact source: ISI
Impact index in year of publication:
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Category: Ophthalmology
Journal in the top 25%: Yes
Citations: 9
- 12** Claude Lachaud, Christian; Pezzolla, Daniela; Dominguez-Rodriguez, Alejandro; Smani, Tarik; Soria, Bernat; Hmadcha, Abdelkrim. Functional Vascular Smooth Muscle-like Cells Derived from Adult Mouse Uterine Mesothelial Cells. PLOS ONE. 8, 2013. ISSN 1932-6203



DOI: 10.1371/journal.pone.0055181

PMID: 23405120

Type of production: Scientific paper

Source of citations: WOS

Citations: 19

- 13** Roodveldt, Cintia; Labrador-Garrido, Adahir; Gonzalez-Rey, Elena; Lachaud, Christian C.; Guilliams, Tim; Fernandez-Montesinos, Rafael; Benitez-Rondan, Alicia; Robledo, Gema; Hmadcha, Abdelkrim; Delgado, Mario; Dobson, Christopher M.; Pozo, David. Preconditioning of Microglia by alpha-Synuclein Strongly Affects the Response Induced by Toll-like Receptor (TLR) Stimulation. PLOS ONE. 8, 2013. ISSN 1932-6203

DOI: 10.1371/journal.pone.0079160

PMID: 24236103

Type of production: Scientific paper

Source of citations: WOS

Citations: 48

- 14** Roodveldt, Cintia; Labrador-Garrido, Adahir; Gonzalez-Rey, Elena; Lachaud, Christian C.; Guilliams, Tim; Fernandez-Montesinos, Rafael; Hmadcha, Abdelkrim; Delgado, Mario; Dobson, Christopher M.; Pozo, David. Preconditioning of microglia with Parkinson-linked alpha-synuclein affects the response induced by Toll-like receptor (TLR) stimulation. PloS One. 253, 2012. ISSN 0165-5728

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 12

Impact source: ISI

Category: Biochemistry, Genetics and Molecular Biology (miscellaneous)

Impact index in year of publication:

Journal in the top 25%: Yes

- 15** Roodveldt, Cintia; Labrador-Garrido, Adahir; Gonzalez-Rey, Elena; Fernandez-Montesinos, Rafael; Caro, Marta; Lachaud, Christian C.; Waudby, Christopher A.; Delgado, Mario; Dobson, Christopher M.; Pozo, David. Glial Innate Immunity Generated by Non-Aggregated Alpha-Synuclein in Mouse: Differences between Wild-type and Parkinson's Disease-Linked Mutants. PLOS ONE. 5, 2010. ISSN 1932-6203

DOI: 10.1371/journal.pone.0013481

PMID: 21048992

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 10

Impact source: ISI

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

Impact index in year of publication:

Category: Biochemistry, Genetics and Molecular Biology (miscellaneous)

Journal in the top 25%: Yes

Source of citations: WOS

Citations: 47

- 16** Lachaud, C; Tesarik, J; Canadas, ML; Mendoza, C. Apoptosis and necrosis in human ejaculated spermatozoa. HUMAN REPRODUCTION. 19, 2004. ISSN 0268-1161

DOI: 10.1093/humrep/deh130

PMID: 14998959

Type of production: Scientific paper

Position of signature: 1

Total no. authors: 4

Impact source: ISI

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

Category: Science Edition - REPRODUCTIVE BIOLOGY



Impact index in year of publication:

Journal in the top 25%: Yes

Source of citations: WOS

Citations: 73

- 17** Christin Claude Lachaud; Abdelkrim Hmadcha; Bernat Soria. Corneal Regeneration: Use of Extracorneal Stem Cells. Corneal Regeneration: Therapy and Surgery. pp. 123 - 144. Springer, 2019.
Type of production: Book chapter **Format:** Book
Position of signature: 1 **Degree of contribution:** Author or co-author of chapter in book
Total no. authors: 3 **Corresponding author:** No
- 18** Christian Claude Lachaud; Abdelkrim Hmadcha; Bernat Soria. Corneal Stem Cells: Identification and Methods of Ex Vivo Expansion. Corneal Regeneration: Therapy and Surgery. pp. 57 - 75. Springer, 2019.
Type of production: Book chapter **Format:** Book
Position of signature: 1 **Degree of contribution:** Author or co-author of chapter in book
Total no. authors: 3 **Corresponding author:** No
- 19** Natalia Escacena Acosta; Javier Lopez Beas; Christian Claude Lachaud; Mehrdad Vakilian; Juan Tejedo Rigoberto; Vivian Capilla Gonzalez; Francisco Bedoya; Franz Martin; Abdelkrim Hmadcha. Stem Cells: Concept, Properties and Characterization. Corneal Regeneration: Therapy and Surgery. pp. 41 - 55. Springer, 2019.
Type of production: Book chapter **Format:** Book
Position of signature: 3 **Degree of contribution:** Author or co-author of chapter in book
Total no. authors: 10

Works submitted to national or international conferences

- 1** **Title of the work:** LRH-1/NR5A2 Agonism Triggers an Anti-Inflammatory Phenotypic Switch of Immune Cells from Patients with Type 1 Diabetes and Improves Islet Engraftment/Function
Date of event: 01/06/2022
- 2** **Title of the work:** Phenotypic switch of immune cells from patients with type 1 diabetes and improved human islet engraftment/function driven by LRH-1/NR5A2 agonism
Name of the conference: 12th CIBERDEM ANNUAL MEETING
City of event: Mataró, Catalonia, Spain
Date of event: 03/11/2021
End date: 04/11/2021
Organising entity: CIBER DEL AREA DE DIABETES Y ENFERMEDADES METABOLICAS (CIBERDEM)
- 3** **Title of the work:** Delaying the autoimmune attack in a rodent model of type I diabetes
Name of the conference: CIBERDEM 8 th ANNUAL MEETING May 17 - 19, 2017
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 2017
Organising entity: CIBER DEL AREA DE DIABETES Y ENFERMEDADES METABOLICAS (CIBERDEM)
Christian Claude Lachaud; Esther de la Fuente Martin; Nadia Cobo Villeumier; Franz Martin Bermudo; Abdelkrim Hmadcha; Benoit Gauthier; Bernat Soria Escoms. "Comunicación Oral".



- 4** **Title of the work:** The LRH1 Agonist BL001 Simultaneously Targets Immune and Islet Cells to Repress Type 1 Diabetes.
Name of the conference: 76th Scientific Sessions ADA Annual Meeting
Corresponding author: No
City of event: New Orleans, United States of America
Date of event: 2016
Nadia Cobo Vuilleumier; Petra Lorenzo; Esther Fuente Martin; Alejandro Martin Montalvo; Noelia Garcia Rodriguez; Christian Claude Lachaud; K Stifter; S Navarro; M Courtney; MJ Quintero Carrasco; David Pozo; Patrick Collombat; R Schirmbeck; Bernat Soria; Luc St-Onge; Benoit Gauthier. "Oral communication".
- 5** **Title of the work:** Allogenic mesenchymal stromal cells block inflammatory and immune responses in a model of Type 1 Diabetes
Name of the conference: Reunión Anual de la Red de Terapia Celular (TerCel)
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2015
Organising entity: Red de Terapia Celular (TerCel)
City organizing entity: Madrid, Community of Madrid, Spain
Esther de la Fuente Martin; Christian Claude Lachaud; Nadia Cobo Villeumier; Abdelkrim Hmadcha; Benoit Gauthier; Bernat Soria Escoms. "Poster".
- 6** **Title of the work:** Exploring New Avenues in Cell Therapy: Mesothelial Cells in Tissue Engineering
Name of the conference: Reunión Anual de la Red de Terapia Celular (TerCel)
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2015
Organising entity: Red de Terapia Celular
City organizing entity: Madrid, Community of Madrid, Spain
Christian Claude Lachaud; Berta Rodriguez Campins; Abdelkrim Hmadcha; Bernat Soria Escoms. "Poster".
- 7** **Title of the work:** MicroRNAs modulate differentiation in mouse and human embryonic Stem cells into insulin-producing cells and contributes to maturation.
Name of the conference: ISSCR 13th Annual Meeting
Corresponding author: No
City of event: Estocolmo, Sweden
Date of event: 2015
Organising entity: ISSCR
Javier Lopez Beas; Christian Claude Lachaud; Yolanda Aguilera; Nuria Mellado; Bernat Soria Escoms; Abdelkrim Hmadcha. "Poster".
- 8** **Title of the work:** Umbilical cord mesenchymal stem cells block inflammatory and immune responses in a mouse model of autoimmune diabetes mellitus.
Name of the conference: XIV International Congress of Immunology of Diabetes Society.
Corresponding author: No
City of event: Munich, Germany
Date of event: 2015
Organising entity: Diabetes Society of Immunology
Esther Fuente Martin; Nadia Cobo Vuilleumier; Christian Claude Lachaud; Abdelkrim Hmadcha; Benoit Gauthier; Bernat Soria Escoms. "Poster".



- 9** **Title of the work:** Building a corneal endothelium with adipose tissue-derived mesothelial cells
Name of the conference: REUNIÓN ANUAL DE LA RED DE TERAPIA CELULAR (TerCel)
Corresponding author: Yes
City of event: Valencia, Valencian Community, Spain
Date of event: 2014
Organising entity: RED DE TERAPIA CELULAR (TerCel)
City organizing entity: Madrid, Community of Madrid, Spain
Abdelkrim Hmadcha; Jorge Alió Sanz; Christian Claude Lachaud; Felipe Soria; Natalia Escacena; Elena Quesada Hernández; Bernat Soria Escoms. "Poster".
- 10** **Title of the work:** Resveratrol ameliorates the maturation process of an optimized differentiation protocol of human embryonic stem cells to γ -cell-like cells.
Name of the conference: XXIV, Congreso nacional de la Sociedad Española de Diabetes (SED)
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2013
Organising entity: SED
Christian Claude Lachaud; Daniela Pezzola; Abdelkrim Hmadcha; Bernat Soria Escoms. "Poster".
- 11** **Title of the work:** Functional Vascular Smooth Muscle-like Cells Derived from Adult Mouse Uterine Mesothelial Cells.
Name of the conference: 4th International Congress on Stem Cells and Tissue Formation Annual Meeting.
Corresponding author: No
City of event: Dresden, Germany
Date of event: 2012
Christian Claude Lachaud; Daniela Pezzola; Abdelkrim Hmadcha; Bernat Soria Escoms. "Poster".
- 12** **Title of the work:** Resveratrol ameliorate the maturation process of an optimized differentiation protocol of human embryonic stem cells to γ -cell-like cells.
Name of the conference: ISSCR 10th Annual Meeting
Corresponding author: No
City of event: Yokohama, Japan
Date of event: 2012
Organising entity: ISSCR
Daniela Pezzola; Christian Claude Lachaud; Abdelkrim Hmadcha; Bernat Soria Escoms. "Poster".
- 13** **Title of the work:** Cultured Murine Uterine Mesothelial Cells Undergo an Epithelial-to-Mesenchymal Transition towards Smooth Muscle-like Cells.
Name of the conference: ISSCR 7th Annual Meeting
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 2009
Christian Claude Lachaud; Daniela Pezzola; Bernat Soria Escoms; Abdelkrim Hmadcha. "Poster".
- 14** **Title of the work:** Differentiation of Human Embryonic Stem Cells (hESC) to γ -cell like cells: the role of UCP2 in insulin secretion.
Name of the conference: ISSCR 7th Annual Meeting
Corresponding author: No
City of event: Barcelona, Catalonia, Spain
Date of event: 2009
Organising entity: ISSCR



Abdelkrim Hmadcha; Daniela Pezzola; Cristina Mendez Vidal; Christian Claude Lachaud; Bernat Soria Escoms. "Poster".

- 15** **Title of the work:** Inhibition of PKA and MEK enhances genomic and non-genomic up-regulation of Bcl-2 by estradiol.
Name of the conference: Congreso internacional Signal transduction
Corresponding author: No
City of event: Luxemburgo, Luxembourg
Date of event: 2004
Maria Luisa Cañadas Aguire; Christian Claude Lachaud; Jan Tesarik. "Poster".
- 16** **Title of the work:** La inhibición de PKA y MEK intensifica la estimulación genómica y no genómica de Bcl-2 por estradiol.
Name of the conference: XXVII Congreso de la Sociedad Española de Bioquímica y Biología Molecular (SEBBM)
Corresponding author: No
City of event: Granada, Andalusia, Spain
Date of event: 2004
Organising entity: SEBBM
Maria Luisa Cañadas Aguire; Christian Claude Lachaud; Francisco Martinez Diaz; Jan Tesarik; Carmen Mnedoza Oltras. "Poster".
- 17** **Title of the work:** Contribución de la apoptosis y necrosis en la muerte celular de los espermatozoides eyaculados humanos.
Name of the conference: Congreso ASEBIR (2º edición)
Corresponding author: No
City of event: Granada, Andalusia, Spain
Date of event: 2003
Organising entity: Asociación para el Estudio de la Biología de la Reproducción **Type of entity:** Associations and Groups
City organizing entity: mADRID,
Christian Claude Lachaud; Francisco Martinez Diaz; Maria Luisa Cañadas Aguire; M Nogueras; Armando Zuluaga; Jan Tesarik; Carmen Mendoza Oltras. "Poster".
- 18** **Title of the work:** Efecto de la progesterona y sus 11-hidroxiderivados: Mecanismo dependiente o independiente de Ca²⁺.
Name of the conference: XXIII Congreso Nacional de la Sociedad Española de Fertilidad
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2000
Organising entity: Sociedad Española de Fertilidad
Francisco Martinez; Maria Luisa Cañadas Aguire; Christian Claude Lachaud; Jan Tesarik; Carmen Mendoza. "Comunicación Oral".
- 19** **Title of the work:** Efecto protector de la testosterona en la apoptosis celular.
Name of the conference: XXIII Congreso de la Sociedad Española de Bioquímica y Biología Molecular (SEBBM).
Corresponding author: No
City of event: Granada, Andalusia, Spain
Date of event: 2000
Organising entity: Sociedad Española de Bioquímica y Biología Molecular



Christian Claude Lachaud; Francisco Martinez Diaz; Maria Luisa Cañadas Aguire; M Nogueras; Armando Zuluaga; Jan Tesarik; Carmen Mendoza Oltras. "Poster".

- 20** **Title of the work:** Estimulación de la fosforilación en tirosina mediante progesterona y sus 11-hidroxiderivados: Mecanismo no genómico dependiente o independiente de Ca²⁺.
Name of the conference: XXIII Congreso de la Sociedad Española de Bioquímica y Biología Molecular (SEBBM)
Corresponding author: No
City of event: Granada, Andalusia, Spain
Date of event: 2000
Organising entity: Sociedad Española de Bioquímica y Biología Molecular (SEBBM)
Francisco Martinez Diaz; Maria Luisa Cañadas Aguire; Christian Claude Lachaud; Jan Tesarik; Carmen Mendoza Oltras. "Comunicación oral".
- 21** **Title of the work:** La testosterona regula la apoptosis de las células de Sertoli y de los espermatozoides humanos.
Name of the conference: XXIII Congreso Nacional de la Sociedad Española de Fertilidad
Corresponding author: No
City of event: Sevilla, Andalusia, Spain
Date of event: 2000
Organising entity: Sociedad Española de Fertilidad
City organizing entity: Sevilla, Spain
Christian Claude Lachaud; Maria Luisa Cañadas Aguire; Francisco Martinez Diaz; Jorge Zuluaga; Jan Tesarik; Carmen Mendoza Oltras. "Poster".
- 22** **Corresponding author:** Yes
Benoit Gauthier; Diana Rubio Contreras; Juan-Carlos Gomez Rosado; Luis Cristobal Capitan Morales; Abdelkrim Hmadcha; Bernat Soria Escoms; Christian Claude Lachaud. "Human Omental Mesothelial Cells Impart an Immunomodulatory Landscape Impeding B- and T-Cell Activation".