



Elixabet Lopez Lopez

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I have dedicated my career so far to the search for pharmacogenomics markers to improve the treatment of pediatric oncology patients. During my PhD training and subsequent postdoctoral experience in Prof. Africa Garcia-Orad's lab, my main focus has been on genetic variants associated with adverse drug reactions and response in pediatric acute lymphoblastic leukemia and osteosarcoma patients. During my work at the University of the Basque Country (Spain), I was able to find SNPs associated with drug toxicity by the study of candidate genes in methotrexate and vincristine pathways. Additionally, I was the first author in the first study to show that polymorphisms in miRNA processing genes are associated with toxicity after treatment in cancer patients. Later, in the context of my work as a postdoctoral fellow at St. Jude Children's Research Hospital (USA) under the direction of Dr. William Evans, I have been able to go a step further and analyzed genome-wide expression and regulation (miRNAs, methylation, SNPs and copy number alterations) in association with methotrexate response in acute lymphoblastic leukemia patients. This has helped me improve my bioinformatics skills for the analysis of big data. I have recently incorporated as a researcher in the group of "Genetics and Epigenetics of complex diseases", under the direction of Dr. Idoia Martin, to be in charge of the research line of pharmacogenetics to childhood ALL.

As a result of this work, I have published a total of 28 peer-reviewed papers and have other 8 submitted or in preparation; I have delivered over 80 presentations at national and international conferences; I have participated in the redaction of 15 funded research projects and nowadays participate as a collaborator in a European COST action for the study of leukemia; I have obtained 2 postdoctoral and 2 predoctoral competitive fellowships, 5 travel grants to perform research stays or attend scientific conferences and 2 grants for the inscription in scientific courses; I have been awarded 1 best oral communication prize (VI Congreso Sociedad Española de Farmacogenética y Farmacogenómica, 2013), 2 best poster presentation prizes (IV Congreso Sociedad Española de Hematología y Oncología pediátrica, 2011; IIIrd EuroEspes Annual Conference, 2008), and 1 best student poster presentation as supervisor (VI Congreso Sociedad Española de Farmacogenética y Farmacogenómica, 2013).

Regarding my teaching and mentoring experience, I have obtained the accreditation as Adjunct Professor in Experimental Sciences by the UPV/EHU and delivered a course on "Topics in Biomedical Science" as Adjunct assistant professor at Rhodes College (Memphis, TN, USA) and 3 courses in the Degree in Medicine at the University of the Basque Country. I have also participated as a speaker in 3 Master degrees delivered at the University of the Basque Country (Master in Pharmacology. Evaluation, Development and Rational Use of Drugs; Master in



Biomedical Investigation; Master in Biomedicine and Molecular Biology). I have also mentored 4 Degree students and 8 masters students and I am directing 1 Doctoral thesis.

Regarding outreach actions, I have published 2 scientific dissemination articles, collaborated in the organization a public science fair for 3 years, acted as member of the Organizing Committee of the VI Congreso SEFF and of the 1st meeting of the COST Legend, and delivered clinical sessions to bring the lab research to the clinic.



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.

I have an h-index of 12.

I have published 28 articles indexed in Pubmed, which are cited by 281 documents, 10 of them as a first-author or first-coauthor and 3 as last-coauthor.

15 of those publications are published in journals included in the Q1 of their respective areas, 9 in the Q2, and 4 in the Q3.

In addition, I have published 1 book chapter and 2 dissemination articles and I have 8 articles submitted or in preparation.



Elixabet Lopez Lopez

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Current professional situation

Employing entity: Universidad del País Vasco

Department: Genética, Antropología Física y Fisiología Animal, Facultad de Medicina y Odontología

Professional category: Postdoctoral Research Associate

Start date: 01/12/2017

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 240900 - Genetics

Secondary (UNESCO code): 241007 - Human genetics; 241500 - Molecular biology

Performed tasks: Coordination of projects in pharmacogenetics of cancer

Identify key words: Molecular mechanism of disease; Molecular genetics

Previous positions and activities

	Employing entity	Professional category	Start date
1	St Jude Children's Research Hospital	Postdoctoral Research Fellow	23/01/2014
2	Universidad del País Vasco	Postdoctoral Research Associate	07/2012
3	Universidad del País Vasco	Research Associate	07/2007

1 **Employing entity:** St Jude Children's Research Hospital **Type of entity:** Healthcare Institutions

Professional category: Postdoctoral Research Fellow



Start-End date: 23/01/2014 - 29/11/2016

Duration: 2 years - 10 months - 7 days

Performed tasks: Project 1: Genomic determinants of the accumulation of active methotrexate drug metabolites in pediatric acute lymphoblastic leukemia patients. Project 2: Genome-wide regulatory elements involved in response to methotrexate as a single agent treatment in pediatric acute lymphoblastic leukemia.

2 **Employing entity:** Universidad del País Vasco **Type of entity:** University

Professional category: Postdoctoral Research Associate

Start-End date: 07/2012 - 01/2014

Performed tasks: Project 1: Pharmacogenomics of methotrexate in osteosarcoma. Project 2. Pharmacogenomics of vincristine in acute lymphoblastic leukemia. Project 3: MiRNA-related SNPs as susceptibility markers of pediatric malignancies.

3 **Employing entity:** Universidad del País Vasco **Type of entity:** University

Professional category: Research Associate

Start-End date: 07/2007 - 06/2012

Performed tasks: Project 1: Pharmacogenomics of pediatric acute lymphoblastic leukemia. Project 2. Copy number alterations as risk markers in pediatric acute lymphoblastic leukemia.



Education

University education

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

- 1 University degree:** Higher degree
Name of qualification: Masters degree in Molecular Biology and Biomedicine
Degree awarding entity: Universidad del País Vasco **Type of entity:** University
Date of qualification: 07/2008
- 2 University degree:** Higher degree
Name of qualification: Degree in Biology (5 years)
Degree awarding entity: Universidad Complutense **Type of entity:** University de Madrid
Date of qualification: 07/2007

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Biología Molecular y Biomedicina
Degree awarding entity: Universidad del País Vasco **Type of entity:** University
Date of degree: 06/2012
European doctorate: Yes **Date of certificate:** 06/2012
Thesis title: New genetic markers for treatment personalization in pediatric Acute Lymphoblastic Leukemia
Thesis director: Africa Garcia-Orad Carles
Thesis co-director: Aurora Navajas Gutierrez
Obtained qualification: Cum laude
Recognition of quality: Yes

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

Training title: Metodologic basis in the investigation in Biomedicine: Epidemiologic and Bioestadistical tools
Awarding entity: Institute of Oncology from Catalonia
End date: 2009



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

Title of course/seminar: Claves para la creación de cursos online en entornos virtuales de aprendizaje (Keys for the creation of online courses in virtual learning environments)

Goals of the course/seminar: Learning how use available resources for the creation of online courses

Organising entity: University of the Basque Country UPV/EHU

Faculty, institute or centre: SAE/HELAZ

Duration in hours: 38 hours

Start-End date: 01/06/2018 - 31/07/2019

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Basque	B1	B1	B1	B1	B1
English	C2	C2	C2	C2	C2
French	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2

Teaching experience

General teaching experience

- 1 Name of the course:** Fundamentals of genomics, proteomics and Bioinformatics
University degree: Master in Molecular Biology and Biomedicine
Start date: 2018 **End date:** 2019
Entity: Universidad del País Vasco **Type of entity:** University
- 2 Name of the course:** Genetics and Epigenetics serving therapeutics
University degree: Master in Pharmacology. Evaluation, Development and Rational Use of Drugs.
Start date: 2018 **End date:** 2019
Entity: Universidad del País Vasco **Type of entity:** University
- 3 Name of the course:** Introduction to biomedical investigation
University degree: Graduado o Graduada en Medicina
Start date: 2018 **End date:** 2019
Entity: Universidad del País Vasco **Type of entity:** University
- 4 Name of the course:** Medical genetics
University degree: Graduado o Graduada en Medicina
Start date: 2018 **End date:** 2019
Entity: Universidad del País Vasco **Type of entity:** University



- 5** **Name of the course:** Molecular Technology in Biomedicine.
University degree: Master in Biomedical Investigation
Start date: 2018 **End date:** 2019
Entity: Universidad del País Vasco **Type of entity:** University
- 6** **Name of the course:** Fundamentals of genomics, proteomics and Bioinformatics
University degree: Master in Molecular Biology and Biomedicine
Start date: 2017 **End date:** 2018
Entity: Universidad del País Vasco **Type of entity:** University
- 7** **Name of the course:** Genetics and Epigenetics serving therapeutics
University degree: Master in Pharmacology. Evaluation, Development and Rational Use of Drugs.
Start date: 2017 **End date:** 2018
Entity: Universidad del País Vasco **Type of entity:** University
- 8** **Name of the course:** Topics in Biomedical Science
University degree: Biology
Start date: 2015 **End date:** 2016
Entity: Rhodes College **Type of entity:** University
City of entity: Memphis, United States of America
- 9** **Name of the course:** Introduction to biomedical investigation
University degree: Graduado o Graduada en Medicina
Start date: 2013 **End date:** 2014
Entity: Universidad del País Vasco **Type of entity:** University
- 10** **Name of the course:** Medical genetics
University degree: Graduado o Graduada en Medicina
Start date: 2013 **End date:** 2014
Entity: Universidad del País Vasco **Type of entity:** University
- 11** **Name of the course:** Genetics and Epigenetics serving therapeutics
University degree: Master in Pharmacology. Evaluation, Development and Rational Use of Drugs.
Start date: 2012 **End date:** 2013
Entity: Universidad del País Vasco **Type of entity:** University
- 12** **Name of the course:** Molecular Technology in Biomedicine.
University degree: Master in Biomedical Investigation
Start date: 2012 **End date:** 2013
Entity: Universidad del País Vasco **Type of entity:** University
- 13** **Name of the course:** Genetics and Epigenetics serving therapeutics
University degree: Master in Pharmacology. Evaluation, Development and Rational Use of Drugs.
Start date: 2010 **End date:** 2011
Entity: Universidad del País Vasco **Type of entity:** University
- 14** **Name of the course:** Molecular Technology in Biomedicine.
University degree: Master in Biomedical Investigation
Start date: 2010 **End date:** 2011
Entity: Universidad del País Vasco **Type of entity:** University



15 Name of the course: Genetics
University degree: Licenciado en Medicina y Cirugía
Start date: 2009 **End date:** 2010
Entity: Universidad del País Vasco **Type of entity:** University

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Utilidad de los miRNAs en el diagnóstico, clasificación y pronóstico del DLBCL
Type of project: Doctoral thesis
Entity: Universidad del País Vasco **Type of entity:** University
Student: Ane Larrabeiti Etxebarria
Date of reading: 2020
- 2 Project title:** Identification of genetic biomarkers associated with relapse in pediatric ALL.
Type of project: Minor thesis
Entity: Universidad del País Vasco **Type of entity:** University
Student: Aizpea Artetxe Zurutuza
Date of reading: 01/07/2019
- 3 Project title:** Possible utility of the analysis of genetic variants for the diagnosis of pediatric medulloblastoma
Type of project: Minor thesis
Entity: Universidad del País Vasco **Type of entity:** University
Student: Nerea Berastegui
Date of reading: 07/2018
- 4 Project title:** Pharmacogenetics of methotrexate resistance in pediatric acute lymphoblastic leukemia.
Type of project: Fellowship project
Entity: Rhodes College **Type of entity:** University
City of entity: Memphis, United States of America
Student: Tyler Harvey
Date of reading: 05/2015
- 5 Project title:** Genetic markers related with nicotine dependence levels.
Type of project: Minor thesis
Entity: Universidad del País Vasco **Type of entity:** University
Student: Maria Constantin
Date of reading: 06/2012

Healthcare experience



Courses and seminars given to healthcare professionals focused on improving medical care

- 1 Name of the course:** Búsqueda de nuevos marcadores para la mejora de la clasificación de las LLAs pediátricas.
Entity where project took place: Hospital de Cruces **Type of entity:** Healthcare Institutions
Start date: 04/2013
- 2 Name of the course:** Farmacogenética: resultados de las LLA
Entity where project took place: Hospital de Cruces **Type of entity:** Healthcare Institutions
Start date: 10/2012

Scientific and technological experience

Research and development groups/teams

- 1 Name of the group:** BioCruces Pediatric Oncology group
Type of collaboration: Co-authorship of projects and their development
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 2018
- 2 Name of the group:** COST LEGEND
Type of collaboration: Co-authorship of international collaboration
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 2017 **Duration:** 6 years
- 3 Name of the group:** Genetics and epigenetics in complex diseases
Type of collaboration: Co-authorship of projects and their development
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 2013
- 4 Name of the group:** Formation and Investigation Unit. Neurochemistry, Neuropsychopharmacology and Psychiatry
Type of collaboration: Collaboration in training third parties
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 2011 **Duration:** 4 years
- 5 Name of the group:** Thematic Network for Cooperative Investigation in Cancer
Type of collaboration: Co-authorship of projects and their development
Affiliation entity: Universidad del País Vasco **Type of entity:** University
Start date: 2010

Scientific or technological activities

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

- 1** **Name of the project:** Leukemia Gene discovery by data sharing mining and collaboration
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): Esmé Waanders
Funding entity or bodies:
European COST Actions
City funding entity: Brussels, Belgium
Type of participation: Team member
Name of the programme: COST
Code according to the funding entity: CA16223
Start-End date: 2017 - 2021
Total amount: 450.000 €
- 2** **Name of the project:** Genetics and epigenetics in complex diseases
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): Idoia Martín Guerrero
Funding entity or bodies:
Education Department from the Basque Government
Type of participation: Team member
Name of the programme: Grupos Consolidados
Code according to the funding entity: IT989-16
Start-End date: 2016 - 2021
Total amount: 540.800 €
- 3** **Name of the project:** MicroRNAs as a useful tool for diagnosis, classification and prognosis in pediatric acute lymphoblastic leukemia
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): Ángela Gutiérrez Camino
Funding entity or bodies:
Inocente Inocente Foundation **Type of entity:** Foundation
Type of participation: Team member
Name of the programme: Proyectos de investigación en cáncer infantil
Start-End date: 01/01/2019 - 31/12/2019
Total amount: 40.000 €
- 4** **Name of the project:** Clinical utility of Next Generation Sequencing in the diagnosis and treatment of lymphomas
Entity where project took place: Universidad del País Vasco **Type of entity:** University
Name principal investigator (PI, Co-PI....): Elixabet López López
Funding entity or bodies:

Cancer BIOEF (EiTB)

Type of participation: Principal investigator

Name of the programme: EiTB maratona

Code according to the funding entity: BIO15/CA/022/BC

Start-End date: 2016 - 2019

Total amount: 45.589,5 €

5 Name of the project: Thematic Network for Cooperative Investigation in Cancer, (RTICC)

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Miguel Angel Piris

Funding entity or bodies:

Ministerio de Sanidad y Consumo

Type of entity: Administrative Body of the National Health System

City funding entity: Barcelona, Catalonia, Spain

Type of participation: Team member

Name of the programme: RTICC

Code according to the funding entity: RD12/0036/0060

Start-End date: 2012 - 2017

Total amount: 92.575 €

6 Name of the project: Pharmacogenomics of childhood leukemia ALL

Entity where project took place: St Jude Children's Research Hospital **Type of entity:** Healthcare Institutions

City of entity: Memphis, United States of America

Name principal investigator (PI, Co-PI....): William E. Evans

Funding entity or bodies:

National Institute of Health (NIH)

Type of participation: Team member

Start-End date: 2015 - 2016

Total amount: 745.100 €

7 Name of the project: Genetics and epigenetics in complex diseases

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Africa Garcia-Orad

Funding entity or bodies:

Education Department from the Basque Government

Type of participation: Team member

Name of the programme: Grupos consolidados

Code according to the funding entity: IT661-13

Start-End date: 2013 - 2015

Total amount: 87.200 €

8 Name of the project: Pharmacogenetics in pediatric malignancies. Effect of vincristine

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Nagore Garcia de Andoin

Funding entity or bodies:



Health Department from the Basque Government

Type of participation: Team member

Name of the programme: Health projects

Code according to the funding entity: 2012111053

Start-End date: 2013 - 2015

Total amount: 33.000 €

9 **Name of the project:** Formation and Investigation Unit. Neurochemistry, Neuropsychopharmacology and Psychiatry

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Joan Salles Meana

Funding entity or bodies:

Universidad del País Vasco

Type of entity: University

City funding entity: Bilbao, Basque Country, Spain

Type of participation: Team member

Name of the programme: UFI

Code according to the funding entity: UF111/35

Start-End date: 2011 - 2014

Total amount: 69.469,98 €

10 **Name of the project:** Genetic polymorphisms in the susceptibility to Chronic lymphocytic leukemia

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Africa Garcia-Orad

Funding entity or bodies:

Department of Economy and Competitiveness from the Basque Government

Type of participation: Team member

Name of the programme: Saiotek

Code according to the funding entity: SPE13UNO79

Start-End date: 2013 - 2013

Total amount: 4.761,13 €

11 **Name of the project:** Pharmacogenetics in pediatric malignancies: vincristine in acute lymphoblastic leukemia

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Africa Garcia-Orad

Funding entity or bodies:

Department of Economy and Competitiveness from the Basque Government

Type of participation: Team member

Name of the programme: Saiotek

Code according to the funding entity: SPE13UNO68

Start-End date: 2013 - 2013

Total amount: 4.749,8 €

12 **Name of the project:** Thematic Network for Cooperative Investigation in Cancer, (RTICC)

Entity where project took place: Universidad del País Vasco **Type of entity:** University

Name principal investigator (PI, Co-PI....): Africa Garcia-Orad

**Funding entity or bodies:**

Ministerio de Sanidad y Consumo

Type of entity: Administrative Body of the National Health System**City funding entity:** Barcelona, Catalonia, Spain**Type of participation:** Team member**Name of the programme:** RTICC**Code according to the funding entity:** RD06/0020/0048**Start-End date:** 2006 - 2012**Total amount:** 20.700 €**13 Name of the project:** Infrastructure: Pyrosequencer**Entity where project took place:** Universidad del País Vasco **Type of entity:** University**Name principal investigator (PI, Co-PI....):** Africa Garcia-Orad**Funding entity or bodies:**

Universidad del País Vasco

Type of entity: University**City funding entity:** Bilbao, Basque Country, Spain**Type of participation:** Team member**Name of the programme:** Infraestructure**Code according to the funding entity:** INF11/28**Start-End date:** 2011 - 2011**Total amount:** 36.500 €**14 Name of the project:** Infrastructure: SKY**Entity where project took place:** Universidad del País Vasco **Type of entity:** University**Name principal investigator (PI, Co-PI....):** Aurora Navajas**Funding entity or bodies:**

Universidad del País Vasco

Type of entity: University**City funding entity:** Bilbao, Basque Country, Spain**Type of participation:** Team member**Name of the programme:** Infraestructure**Code according to the funding entity:** INF09/38**Start-End date:** 2009 - 2009**Total amount:** 30.000 €**15 Name of the project:** Acute Lymphoblastic Leukemia, molecular characterization and correlation with clinical parameters**Entity where project took place:** Universidad del País Vasco **Type of entity:** University**Name principal investigator (PI, Co-PI....):** Africa Garcia-Orad**Funding entity or bodies:**

Department of Health of the Basque Government

Type of participation: Team member**Start-End date:** 2006 - 2009**Total amount:** 36.000 €



Scientific and technological activities

Scientific production

H index: 12

Date of application: 25/03/2019

Publications, scientific and technical documents

- 1** Javier Arzuaga Mendez; Endika Prieto Fernández; Elixabet Lopez Lopez; Idoia Martin Guerrero; Juan Carlos García Ruiz; Africa García Orad. Cell-free DNA as a biomarker in diffuse large B-cell lymphoma: A systematic review. *Critical reviews in oncology/hematology*. 139, pp. 7 - 15. 27/04/2019. ISSN 1879-0461

Type of production: Scientific paper
Position of signature: 3
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 4.495
Position of publication: 16

Category: Science Edition - HEMATOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 71
- 2** Jone Ibañez Perez; Borja Santos Zorrozuza; Elixabet Lopez Lopez; Jon Irazusta; Begoña Prieto; Victoria Aparicio; Beatriz Corcostegui; África Gracia Orad; Roberto Matorras. Impact of physical activity on semen quality among men from infertile couples. *European journal of obstetrics, gynecology, and reproductive biology*. 237, pp. 170 - 174. (Ireland): 18/04/2019. ISSN 1872-7654

Type of production: Scientific paper
Position of signature: 3
Total no. authors: 9
Impact source: ISI

Impact index in year of publication: 1.809
Position of publication: 50

Category: Science Edition - OBSTETRICS & GYNECOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 82
- 3** Maria Cabezas; Mireia Camós; Susana Rives; Africa Garcia Orad; Elixabet Lopez Lopez; Josep L Dapena; María R Caballín; Gemma Armengol. Impact of polymorphisms in apoptosis-related genes on the outcome of childhood acute lymphoblastic leukaemia. *British journal of haematology*. 185 - 1, pp. 159 - 162. 26/03/2019. ISSN 1365-2141

Type of production: Scientific paper
Position of signature: 5
Total no. authors: 8
Impact source: ISI

Format: Journal

Impact index in year of publication: 5.128
Position of publication: 12

Category: Science Edition - HEMATOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 71
- 4** Ane Larrabeiti Etxebarria; Maria Lopez Santillan; Borja Santos Zorrozuza; Elixabet Lopez Lopez; Africa Garcia Orad. Systematic Review of the Potential of MicroRNAs in Diffuse Large B Cell Lymphoma. *Cancers*. 11 - 2, (Switzerland): 26/01/2019. ISSN 2072-6694

Type of production: Scientific paper
Position of signature: 5



Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 5.326

Position of publication: 44

Relevant results: Co-last author

Corresponding author: Yes

Category: Science Edition - ONCOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 222

- 5** Jone Ibañez Perez; Borja Santos Zorrozuza; Elixabet Lopez Lopez; Roberto Matorras; Africa Garcia Orad. An update on the implication of physical activity on semen quality: a systematic review and meta-analysis. Archives of gynecology and obstetrics. (Germany): 22/01/2019. ISSN 1432-0711

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 5

Impact source: ISI

Category: Science Edition - OBSTETRICS & GYNECOLOGY

Impact index in year of publication: 2.236

Journal in the top 25%: No

Position of publication: 34

No. of journals in the cat.: 82

- 6** Ángela Gutierrez Camino; Maitane Umerez; Elixabet Lopez Lopez; Borja Santos Zorrozuza; Idoia Martin Guerrero; Nagore García de Andoin; Sastre Ana; Aurora Navajas; Itziar Astigarraga; Africa Garcia Orad. Involvement of miRNA polymorphism in mucositis development in childhood acute lymphoblastic leukemia treatment. Pharmacogenomics. 19 - 18, pp. 1403 - 1412. 12/2018. ISSN 1744-8042

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 10

Impact source: ISI

Category: Science Edition - PHARMACOLOGY & PHARMACY

Impact index in year of publication: 2.302

Journal in the top 25%: No

Position of publication: 147

No. of journals in the cat.: 261

- 7** Lopez-Santillan M.; Larrabeiti-Etxebarria A.; Arzuaga-Mendez J.; Lopez-Lopez E.; Garcia-Orad A. Circulating miRNAs as biomarkers in diffuse large B-cell lymphoma: A systematic review. Oncotarget. 9, pp. 22850 - 22861. 2018. ISSN 1949-2553

DOI: 10.18632/oncotarget.25230

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Impact source: ISI

Category: Oncology

Impact index in year of publication: 5.168 Q1

Journal in the top 25%: Yes

Position of publication: 44

No. of journals in the cat.: 217

Relevant results: Co-last author

- 8** S.E. Karol; E. Larsen; C. Cheng; X. Cao; W. Yang; L.B. Ramsey; C.A. Fernandez; J.R. McCorkle; S.W. Paugh; R.J. Autry; E. Lopez-Lopez; B. Diouf; S. Jeha; C.-H. Pui; E.A. Raetz; N.J. Winick; W.L. Carroll; S.P. Hunger; M.L. Loh; M. Devidas; W.E. Evans; J.J. Yang; M.V. Relling. Genetics of ancestry-specific risk for relapse in acute lymphoblastic leukemia. Leukemia. 31 - 6, pp. 1325 - 1332. 2017. ISSN 0887-6924

Type of production: Scientific paper

Format: Journal

Position of signature: 11

Total no. authors: 23

Impact source: ISI

Category: Science Edition - HEMATOLOGY

Impact index in year of publication: 10.023 Q1

Journal in the top 25%: Yes

Position of publication: 4

No. of journals in the cat.: 71

- 9** A. Gutierrez-Camino; N. Oosterom; M.A.H. Den Hoed; E. Lopez-Lopez; I. Martin-Guerrero; S.M.F. Pluijm; R. Pieters; R. De Jonge; W.J.E. Tissing; S.G. Heil; A. García-Orad; M.M. Van Den Heuvel-Eibrink. The miR-1206 microRNA variant is associated with methotrexate-induced oral mucositis in pediatric acute lymphoblastic leukemia. *Pharmacogenetics and Genomics*. 27 - 8, pp. 303 - 306. 2017. ISSN 1744-6880

Type of production: Scientific paper

Format: Journal

Position of signature: 4

Total no. authors: 12

Impact source: ISI

Category: Science Edition - BIOTECHNOLOGY & APPLIED MICROBIOLOGY

Impact index in year of publication: 2.250 Q2

Position of publication: 78

No. of journals in the cat.: 160

- 10** A. Gutierrez-Camino; I. Martin-Guerrero; E. Lopez-Lopez; A. Echebarria-Barona; I. Zabalza; I. Ruiz; I. Guerra-Merino; A. Garcia-Orad. Lack of association of the CEP72 RS924607 TT genotype with vincristine-related peripheral neuropathy during the early phase of pediatric acute lymphoblastic leukemia treatment in a Spanish population. *Pharmacogenetics and Genomics*. 26 - 2, pp. 100 - 102. 2016. ISSN 1744-6880

Type of production: Scientific paper

Format: Journal

Position of signature: 3

Total no. authors: 8

Impact source: ISI

Category: Science Edition - BIOTECHNOLOGY & APPLIED MICROBIOLOGY

Impact index in year of publication: 2.184 Q2

Position of publication: 78

No. of journals in the cat.: 160

- 11** E. Lopez-Lopez; A. Gutierrez-Camino; I. Astigarraga; A. Navajas; A. Echebarria-Barona; P. Garcia-Miguel; N. Garcia De Andoin; C. Lobo; I. Guerra-Merino; I. Martin-Guerrero; A. Garcia-Orad. Vincristine pharmacokinetics pathway and neurotoxicity during early phases of treatment in pediatric acute lymphoblastic leukemia. *Pharmacogenomics*. 17 - 7, pp. 731 - 741. 2016. ISSN 1462-2416

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Total no. authors: 11

Impact source: ISI

Category: Science Edition - PHARMACOLOGY & PHARMACY

Impact index in year of publication: 2.350 Q3

Position of publication: 132

No. of journals in the cat.: 257

- 12** M.A.H. Den Hoed; E. Lopez-Lopez; M.L. Te Winkel; W. Tissing; J.D.E. De Rooij; A. Gutierrez-Camino; A. Garcia-Orad; E. Den Boer; R. Pieters; S.M.F. Pluijm; R. De Jonge; M.M. Van Den Heuvel-Eibrink. Genetic and metabolic determinants of methotrexate-induced mucositis in pediatric acute lymphoblastic leukemia. *Pharmacogenomics Journal*. 15 - 3, pp. 248 - 254. 2015. ISSN 1470-269X

Type of production: Scientific paper

Format: Journal

Position of signature: 2

Total no. authors: 12

Impact source: ISI

Category: Science Edition - PHARMACOLOGY & PHARMACY

Impact index in year of publication: 3.784 Q1

Position of publication: 52

Journal in the top 25%: Yes

No. of journals in the cat.: 255



- 13** I. Martin-Guerrero; A. Gutierrez-Camino; E. Lopez-Lopez; N. Bilbao-Aldaiturriaga; M. Pombar-Gomez; M. Ardanaz; A. Garcia-Orad. Genetic variants in MiRNA processing genes and Pre-MiRNAs are associated with the risk of chronic lymphocytic leukemia. PLoS ONE. 10 - 3, 2015. ISSN 1932-6203
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 7
Impact source: ISI **Category:** Science Edition - MULTIDISCIPLINARY SCIENCES
Impact index in year of publication: 3.057 Q1 **Journal in the top 25%:** Yes
Position of publication: 15 **No. of journals in the cat.:** 64
- 14** N. Bilbao-Aldaiturriaga; A. Gutierrez-Camino; I. Martin-Guerrero; M. Pombar-Gomez; M. Zalacain-Diez; A. Patiño-Garcia; E. Lopez-Lopez; A. Garcia-Orad. Polymorphisms in miRNA processing genes and their role in osteosarcoma risk. Pediatric Blood and Cancer. 62 - 5, pp. 766 - 769. 2015. ISSN 1545-5017
Type of production: Scientific paper **Format:** Journal
Position of signature: 8
Total no. authors: 8
Impact source: ISI **Category:** Science Edition - PEDIATRICS
Impact index in year of publication: 2.634 Q1 **Journal in the top 25%:** Yes
Position of publication: 20 **No. of journals in the cat.:** 120
Relevant results: Co-last author
- 15** M. Pombar-Gomez; E. Lopez-Lopez; I. Martin-Guerrero; A.G.-O. Carles; M.M. de Pancorbo. Potential relationship between single nucleotide polymorphisms used in forensic genetics and diseases or other traits in European population. International Journal of Legal Medicine. 129 - 3, pp. 435 - 443. 2015. ISSN 0937-9827
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 5
Impact source: ISI **Category:** Science Edition - MEDICINE, LEGAL
Impact index in year of publication: 2.862 Q1 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 15
- 16** N. Bastida-Lertxundi; E. López-López; M.A. Piñán; A. Puiggros; A. Navajas; F. Solé; A. García-Orad. Errors in the interpretation of copy number variations due to the use of public databases as a reference. Cancer Genetics. 207 - 4, pp. 164 - 167. 2014. ISSN 2210-7762
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 7
Impact source: ISI **Category:** Science Edition - GENETICS & HEREDITY
Impact index in year of publication: 2.975 Q2 **No. of journals in the cat.:** 167
Position of publication: 65
Relevant results: Co-first author
- 17** I. Ruiz; M. Martín-Arruti; E. Lopez-Lopez; A. Garcia-Orad. Lack of association between deficient mismatch repair expression and outcome in endometrial carcinomas of the endometrioid type. Gynecologic Oncology. 134 - 1, pp. 20 - 23. 2014. ISSN 0090-8258
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Total no. authors: 4



Impact source: ISI
Impact index in year of publication: 3.774 Q1
Position of publication: 7

Category: Obstetrics and Gynaecology
Journal in the top 25%: Yes
No. of journals in the cat.: 7

- 18** I. Martín-Guerrero; E. de Prado; E. Lopez-Lopez; M. Ardanaz; J.C. Vitoria; L.A. Parada; C. García-Orad; A. García-Orad. Methylation of the nonhomologous end joining repair pathway genes does not explain the increase of translocations with aging. Age (Dordrecht, Netherlands). 36 - 6, 2014. ISSN 0161-9152

Type of production: Scientific paper
Position of signature: 3
Total no. authors: 8

Format: Journal

Impact source: ISI
Impact index in year of publication: 3.390 Q2
Position of publication: 14

Category: Geriatrics and Gerontology
No. of journals in the cat.: 50

- 19** A. Gutierrez-Camino; E. Lopez-Lopez; I. Martin-Guerrero; M.A. Piñan; P. Garcia-Miguel; J. Sanchez-Toledo; A. Carbone Bañeres; J. Uriz; A. Navajas; A. Garcia-Orad. Noncoding RNA-related polymorphisms in pediatric acute lymphoblastic leukemia susceptibility. Pediatric Research. 75 - 6, pp. 767 - 773. 2014. ISSN 0031-3998

Type of production: Scientific paper
Position of signature: 1
Total no. authors: 10

Format: Journal

Impact source: ISI
Impact index in year of publication: 2.314 Q1
Position of publication: 29

Category: Science Edition - PEDIATRICS
Journal in the top 25%: Yes
No. of journals in the cat.: 120

Relevant results: Co-first author

- 20** E. López-López; A. Gutiérrez-Camino; M.A. Piñán; J. Sánchez-Toledo; J.J. Uriz; J. Ballesteros; P. García-Miguel; A. Navajas; A. García-Orad. Pharmacogenetics of MicroRNAs and MicroRNAs biogenesis machinery in pediatric acute lymphoblastic leukemia. PLoS ONE. 9 - 3, 2014. ISSN 1932-6203

Type of production: Scientific paper
Position of signature: 1
Total no. authors: 9

Format: Journal

Impact source: ISI
Impact index in year of publication: 3.234 Q1
Position of publication: 9

Category: Science Edition - MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 57

- 21** E. Lopez-Lopez; A. Gutierrez-Camino; N. Bilbao-Aldaiturriaga; M. Pombar-Gomez; I. Martin-Guerrero; A. Garcia-Orad. Pharmacogenetics of childhood acute lymphoblastic leukemia. Pharmacogenomics. 15 - 10, pp. 1383 - 1398. 2014. ISSN 1462-2416

Type of production: Scientific paper
Position of signature: 1
Total no. authors: 6

Format: Journal

Impact source: ISI
Impact index in year of publication: 3.218 Q2
Position of publication: 70

Category: Science Edition - PHARMACOLOGY & PHARMACY
No. of journals in the cat.: 255



- 22** A. Gutierrez-Camino; E. Lopez-Lopez; A. Garcia-Orad. SLC19A1 hot spot for MTX plasma concentration. Medical oncology (Northwood, London, England). 31 - 10, 2014. ISSN 1357-0560
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 3
Impact source: ISI **Category:** Oncology
Impact index in year of publication: 2.634 Q3
Position of publication: 118 **No. of journals in the cat.:** 211
- 23** E. Lopez-Lopez; I. Martin-Guerrero; J. Ballesteros; A. Garcia-Orad. A systematic review and meta-analysis of MTHFR polymorphisms in methotrexate toxicity prediction in pediatric acute lymphoblastic leukemia. Pharmacogenomics Journal. 13 - 6, pp. 498 - 506. 2013. ISSN 1470-269X
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 4
Impact source: ISI **Category:** Science Edition - PHARMACOLOGY & PHARMACY
Impact index in year of publication: 5.513 Q1 **Journal in the top 25%:** Yes
Position of publication: 14 **No. of journals in the cat.:** 256
- 24** A. Gutiérrez-Camino; E. López-López; I. Martín-Guerrero; J. Sánchez-Toledo; N. García De Andoin; A. Carboné Baneres; P. García-Miguel; A. Navajas; A. García-Orad. Intron 3 of the ARID5B gene: A hot spot for acute lymphoblastic leukemia susceptibility. Journal of Cancer Research and Clinical Oncology. 139 - 11, pp. 1879 - 1886. 2013. ISSN 0171-5216
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 9
Impact source: ISI **Category:** Oncology
Impact index in year of publication: 3.009 Q2
Position of publication: 81 **No. of journals in the cat.:** 203
- 25** E. Lopez-Lopez; J. Ballesteros; M.A. Piñan; J. Sanchez De Toledo; N. Garcia De Andoin; P. Garcia-Miguel; A. Navajas; A. Garcia-Orad. Polymorphisms in the methotrexate transport pathway: A new tool for MTX plasma level prediction in pediatric acute lymphoblastic leukemia. Pharmacogenetics and Genomics. 23 - 2, pp. 53 - 61. 2013. ISSN 1744-6880
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 8
Impact source: ISI **Category:** Science Edition - BIOTECHNOLOGY & APPLIED MICROBIOLOGY
Impact index in year of publication: 3.450 Q1 **Journal in the top 25%:** Yes
Position of publication: 39 **No. of journals in the cat.:** 165
- 26** E. Lopez-Lopez; A. Gutierrez-Camino; I. Martin-Guerrero; A. Garcia-Orad. Re: Novel susceptibility variants at 10p12.31-12.2 for childhood acute lymphoblastic leukemia in ethnically diverse populations. Journal of the National Cancer Institute. 105 - 19, 2013. ISSN 0027-8874
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Total no. authors: 4
Impact source: ISI **Category:** Oncology



Impact index in year of publication: 15.161 Q1
Position of publication: 8

Journal in the top 25%: Yes
No. of journals in the cat.: 203

- 27** E. Lopez-Lopez; J. Ballesteros; A. Garcia-Orad. MTHFR 677TT genotype and toxicity of methotrexate: Controversial results. *Cancer Chemotherapy and Pharmacology*. 68 - 5, pp. 1369 - 1370. 2011. ISSN 0344-5704

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Total no. authors: 3

Impact source: ISI

Category: Science Edition - PHARMACOLOGY & PHARMACY

Impact index in year of publication: 2.833 Q2

Position of publication: 92

No. of journals in the cat.: 261

- 28** E. Lopez-Lopez; I. Martin-Guerrero; J. Ballesteros; M.A. Piñan; P. Garcia-Miguel; A. Navajas; A. Garcia-Orad. Polymorphisms of the SLCO1B1 gene predict methotrexate-related toxicity in childhood acute lymphoblastic leukemia. *Pediatric Blood and Cancer*. 57 - 4, pp. 612 - 619. 2011. ISSN 1545-5017

Type of production: Scientific paper

Format: Journal

Position of signature: 1

Total no. authors: 7

Impact source: ISI

Category: Science Edition - PEDIATRICS

Impact index in year of publication: 1.891 Q2

Position of publication: 37

No. of journals in the cat.: 115

- 29** Autry RJ, Paugh SW, Carter R, Shi L, Liu J, Ferguson D, Lau CE, Bonten EJ, Yang W, McCorkle JR, Beard JA, Panetta JC, Diedrich J, Crews KR, Pei D, Natarajan S, Khatamian A, Karol SE, Lopez-Lopez E, Diouf B, Smith C, Roberts KG, Pounds S, Mullighan CG, Jeha S, Pui CH, Cheng C, Yang JJ, Savic D, Yu J, Gawad C, Relling MV and Evans WE. Genome-wide polygenomic analyses identify known and novel mechanisms of glucocorticoid resistance in acute lymphoblastic leukemia. *Nature Cancer* (submitted).

Type of production: Scientific paper

Format: Journal

- 30** Gutierrez-Camino A, Garcia-Obregon S, Lopez-Lopez E, Astigarraga I, Garcia-Orad A. Systematic review on microRNA deregulation in Childhood Acute Lymphoblastic Leukemia. Submitted to *Epigenomics*.

Type of production: Scientific paper

- 31** Herrera-Espejo S, Santos-Zorrozua B, Álvarez-González P, Lopez-Lopez E*, Garcia-Orad A*. A systematic review of microRNA expression as biomarker of Late-Onset Alzheimer's Disease. Submitted to *Molecular Neurobiology*.

Type of production: Scientific paper

Corresponding author: Yes

- 32** Lopez-Lopez E, Gonzalez-Sanchez E, Santos-Zorrozua B, Garcia-Ariza M, Garcia-Orad A. Age-related changes in miRNA expression during cerebellum development: a systematic review. Submitted to *The Cerebellum*.

Type of production: Scientific paper

- 33** Lopez-Lopez E, Paugh SW, Panetta JC, Crews KR, Bonten EJ, Cheng C, Pei D, Yang W, Autry RJ, McCorkle JR, Diouf B, Roberts KG, Shi L, Pounds S, Mullighan CG, Pui CH, Relling MV, and Evans WE. Genomic and epigenetic variants influencing methotrexate accumulation in leukemia cells. *Blood* (submitted).

Type of production: Scientific paper

Format: Journal



- 34** Lopez-Lopez E, Paugh SW, Panetta JC, Crews KR, Bonten EJ, Cheng C, Pei D, Yang W, Kornegay N, Autry RJ, McCorkle JR, Diouf B, Roberts KG, Shi L, Pounds S, Mullighan CG, Pui CH, Relling MV, and Evans WE. Genome-wide regulatory elements involved in response to methotrexate as a single agent treatment in pediatric acute lymphoblastic leukemia. In preparation.
Type of production: Scientific paper **Format:** Journal
- 35** McCorkle JR, Autry RJ, Bonten EJ, Pei D, Paugh SW, Crews KR, Cheng C, An Q, Panetta JC, Beard JA, Looman R, Karol S, Yang W, Smith C, Diouf B, Lopez-Lopez E, Roberts K, Yang JJ, Savic D, den Boer ML, Pieters R, Jeha S, Mullighan CG, Pui CH, Relling MV, and Evans WE. Somatic epigenetic modulation of ASNS and ANXA5 regulates asparaginase resistance and treatment response in acute lymphoblastic leukemia. Nature Medicine (submitted).
Type of production: Scientific paper **Format:** Journal
- 36** Álvarez-González P, Herrera-Espejo S, Santos-Zorrozua B, Lopez-Lopez E*, Garcia-Orad A*. A systematic review of genetic variants in miRNAs associated with the risk of late-onset Alzheimer's disease. Submitted to Journal of clinical and experimental neuropsychology.
Type of production: Scientific paper
- 37** N Bilbao-Aldaiturriaga; I Martín-Guerrero; A Gutierrez-Camino; E Lopez-Lopez; A Garcia-Orad. Polimorfismo genético en el análisis meta-analítico de erabiltasunaren analisi kritikoa. Ekaia. 2014. ISSN 0214-9001
Type of production: Popular science article **Format:** Journal
Position of signature: 4
Total no. authors: 5
- 38** E Lopez-Lopez; A Garcia-Orad. Nuevos marcadores genéticos para la personalización del tratamiento en Leucemia Linfoblástica Aguda infantil. Euskonews. 655, pp. 23 - 30. 2013.
Type of production: Popular science article **Format:** Journal
Position of signature: 1
Total no. authors: 2
- 39** E. Lopez-Lopez; N. Bilbao; A. Garcia-Orad. Pharmacogenetics update on MTHFR and methotrexate toxicity. Methotrexate: Pharmacology, Clinical Uses and Adverse Effects. pp. 83 - 105. 2012.
Type of production: Book chapter **Format:** Book
Position of signature: 1
Total no. authors: 3

Works submitted to national or international conferences

- 1** **Title of the work:** Factores genéticos que predisponen al desarrollo de leucemia aguda linfoblástica en edad pediátrica
Name of the conference: XII Congreso de la Sociedad Española de Hematología y Oncología Pediátricas
Type of participation: Participatory - oral communication
City of event: Jerez de la Frontera, Spain
Date of event: 2019
MP Casares Alaez; B Ruz Caracuel; E Lopez Lopez; et al.
- 2** **Title of the work:** SNPS en miRNAs como marcadores predictivos de respuesta en leucemia linfoblástica aguda pediátrica
Name of the conference: XII Congreso de la Sociedad Española de Hematología y Oncología Pediátricas
Type of participation: Participatory - poster
Corresponding author: Yes



City of event: Jerez de la Frontera, Spain

Date of event: 2019

A Gutierrez-Camino; A Artetxe Zurutuza; J de Pedro Olabbarri; I Martin Guerrero; E Lopez Lopez.

- 3** **Title of the work:** A systematic review of mirnas as a new tool for the diagnosis of pediatric medulloblastoma.
Name of the conference: 50th Congress of the International Society of Paediatric Oncology (SIOP)
Type of participation: 'Participatory - poster
City of event: Hong-Kong, China
Date of event: 2018
N Berastegui-Zufiaurre; M Garcia-Ariza; E Lopez-Lopez; et al.
- 4** **Title of the work:** Evaluation of the role of micrnas for prognosis in pediatric medulloblastoma: a systematic review.
Name of the conference: 50th Congress of the International Society of Paediatric Oncology (SIOP)
Type of participation: 'Participatory - poster
City of event: Hong-Kong, China
Date of event: 2018
M Garcia-Ariza; E Lopez-Lopez; et al.
- 5** **Title of the work:** Involvement of miRNA polymorphisms in hepatotoxicity development in childhood acute lymphoblastic leukemia.
Name of the conference: 11th Biennial Childhood Leukemia and Lymphoma Symposium.
Type of participation: 'Participatory - poster
City of event: Helsinki, Finland
Date of event: 2018
M Umerz; A Gutierrez-Camino; E Lopez-Lopez; et al.
- 6** **Title of the work:** Involvement of mirna polymorphisms in treatment-related liver toxicity in childhood acute lymphoblastic leukemia.
Name of the conference: 50th Congress of the International Society of Paediatric Oncology (SIOP)
Type of participation: 'Participatory - poster
City of event: Hong-Kong, China
Date of event: 2018
M Umerz; A Gutierrez-Camino; B Santos-Zorroza; I Martin-Guerrero; E Lopez-Lopez; et al.
- 7** **Title of the work:** MiRNA polymorphism as predictive markers of mucositis in pediatric acute lymphoblastic leukemia treatment.
Name of the conference: 50th Congress of the International Society of Paediatric Oncology (SIOP)
Type of participation: 'Participatory - poster
City of event: Hong-Kong, China
Date of event: 2018
A Gutierrez-Camino; M Umerz; E Lopez-Lopez; et al.
- 8** **Title of the work:** MicroRNAs as a new tool for diagnosis, classification and prognosis in pediatric acute lymphoblastic leukemia: a systematic review.
Name of the conference: 50th Congress of the International Society of Paediatric Oncology (SIOP)
Type of participation: 'Participatory - poster
City of event: Hong-Kong, China
Date of event: 2018
A Gutierrez-Camino; S Garcia-Obregon; E Lopez-Lopez; et al.



- 9** **Title of the work:** MicroRNAs implicados en la leucemia linfoblástica aguda infantil: una revisión sistemática.
Name of the conference: XI Congreso de la Sociedad Española de Hematología y Oncología Pediátricas
Type of participation: 'Participatory - poster
City of event: Alicante, Spain
Date of event: 2018
A Gutierrez-Camino; S Garcia-Obregon; E Lopez-Lopez; et al.
- 10** **Title of the work:** Systematic review of microRNAs involved in acute lymphoblastic leukemia.
Name of the conference: 11th Biennial Childhood Leukemia and Lymphoma Symposium.
Type of participation: 'Participatory - poster
City of event: Helsinki, Finland
Date of event: 2018
A Gutierrez-Camino; S Garcia-Obregon; E Lopez-Lopez; et al.
- 11** **Title of the work:** Utilidad de los microRNAs en el diagnóstico del meduloblastoma pediátrico.
Name of the conference: XI Congreso de la Sociedad Española de Hematología y Oncología Pediátricas
Type of participation: 'Participatory - poster
City of event: Alicante, Spain
Date of event: 2018
N Berastegui-Zufiaurre; M Garcia-Ariza; E Lopez-Lopez; et al.
- 12** **Title of the work:** Valoración de la utilidad de los microRNAs en el pronóstico del meduloblastoma pediátrico.
Name of the conference: XI Congreso de la Sociedad Española de Hematología y Oncología Pediátricas
Type of participation: 'Participatory - poster
City of event: Alicante, Spain
Date of event: 2018
M Garcia-Ariza; E Lopez-Lopez; et al.
- 13** **Title of the work:** rs2648841 in miR-1208 is involved in hepatotoxicity during consolidation in childhood acute lymphoblastic leukemia treatment.
Name of the conference: European Human Genetics Conference (ESGH)
Type of participation: 'Participatory - poster
City of event: Milan, Italy
Date of event: 2018
A Gutierrez-Camino; M Umerez; B Santos; I Martín-Guerrero; E Lopez-Lopez; et al.
- 14** **Title of the work:** ABCC2 variants involved in vincristine-related neurotoxicity during induction phase in acute lymphoblastic leukemia treatment. .
Name of the conference: 10th Biennial Childhood Leukemia Symposium
Type of participation: 'Participatory - poster
City of event: Athenas, Greece
Date of event: 2016
A. Echebarria-Barona; E Lopez-Lopez; et al.
- 15** **Title of the work:** CNOT1 and miR-1206 microRNA variants are associated with Methotrexate-induced toxicity in pediatric Acute Lymphoblastic Leukemia.
Name of the conference: 10th Biennial Childhood Leukemia Symposium.
Type of participation: Participatory - oral communication



City of event: Athenas, Greece

Date of event: 2016

A Gutierrez-Camino; N Oosterom; MA Den Hoed; E Lopez-Lopez; et al.

- 16** **Title of the work:** Involvement of microRNA variants in methotrexate clearance in acute lymphoblastic leukemia treatment. .

Name of the conference: 10th Biennial Childhood Leukemia Symposium

Type of participation: 'Participatory - poster

City of event: Athenas, Greece

Date of event: 2016

M Umeraz; L Iparraguirre; I Martin-Guerrero; E. Lopez-Lopez; et al.

- 17** **Title of the work:** Mir-1206 micro-RNA variant is associated with methotrexate-induced mucositis in pediatric acute lymphoblastic leukemia.

Name of the conference: 48th Congress of the International Society of Paediatric Oncology (SIOP)

Type of participation: 'Participatory - poster

City of event: Dublin, Ireland

Date of event: 2016

N Oosterom; A Gutierrez-Camino; MA den Hoed; E Lopez-Lopez; et al.

- 18** **Title of the work:** ABCC2: nuevos marcadores de neurotoxicidad de la vincristina en la leucemia linfoblástica aguda infantil.

Name of the conference: XXVIII Congreso Nacional de Genética Humana AEGH.

Type of participation: 'Participatory - poster

City of event: Palma de Mallorca, Spain

Date of event: 2015

E Lopez-Lopez; et al.

- 19** **Title of the work:** Genetic variants in vincristine pathway and neurotoxicity in childhood acute lymphoblastic leukemia.

Name of the conference: III Conference of European Society of Pharmacogenomics and Personalised Therapy.

Type of participation: 'Participatory - poster

City of event: Budapest, Hungary

Date of event: 2015

A Gutierrez-Camino; A Echebarria-Barona; E Lopez-Lopez; et al.

- 20** **Title of the work:** MIRNAs como nuevos marcadores de la susceptibilidad del osteosarcoma.

Name of the conference: XXVIII Congreso Nacional de Genética Humana AEGH.

Type of participation: 'Participatory - poster

City of event: Palma de Mallorca, Spain

Date of event: 2015

N Bilbao-Aldaiturriaga; M Pombar-Gomez; A Gutierrez-Camino; E Lopez-Lopez; et al.

- 21** **Title of the work:** Polymorphisms and vincristine toxicity in pediatric acute lymphoblastic leukemia.

Name of the conference: 47th Congress of the International Society of Paediatric Oncology (SIOP)

Type of participation: 'Participatory - poster

City of event: Cape Town, South African Republic

Date of event: 2015

A Gutierrez-Camino; I Martin-Guerrero; E Lopez-Lopez; et al.



- 22** **Title of the work:** Polymorphisms in microRNAs could affect MTX clearance in childhood acute lymphoblastic leukemia.
Name of the conference: 47th Congress of the International Society of Paediatric Oncology (SIOP)
Type of participation: 'Participatory - poster
City of event: Cape Town, South African Republic
Date of event: 2015
M Umerez; L Iparraguirre; A Gutierrez-Camino; I Martin-Guerrero; E Lopez-Lopez; et al.
- 23** **Title of the work:** Variantes genéticas en pre-microRNAs están asociadas con el riesgo a desarrollar Leucemia Linfática Crónica.
Name of the conference: XXVIII Congreso Nacional de Genética Humana AEGH.
Type of participation: 'Participatory - poster
City of event: Palma de Mallorca, Spain
Date of event: 2015
M Pombar-Gomez; A Gutierrez-Camino; N Bilbao-Aldaiturriaga; E Lopez-Lopez; et al.
- 24** **Title of the work:** Variantes genéticas en la ruta de la vincristina y neurotoxicidad en Leucemia Linfoblástica Aguda infantil.
Name of the conference: VII Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica.
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 2015
A Gutierrez-Camino; A Echebarria-Barona; E Lopez-Lopez; et al.
- 25** **Title of the work:** Variations in microRNAs could be useful markers of mtx clearance in childhood acute lymphoblastic leukemia.
Name of the conference: III Conference of European Society of Pharmacogenomics and Personalised Therapy.
Type of participation: 'Participatory - poster
City of event: Budapest, Hungary
Date of event: 2015
L Iparraguirre; A Gutierrez-Camino; I Martín-Guerrero; E Lopez-Lopez; et al; M Umerez.
- 26** **Title of the work:** mir612 y mir3166 en el riesgo a desarrollar leucemia linfoblástica aguda infantil. .
Name of the conference: XXVIII Congreso Nacional de Genética Humana AEGH
Type of participation: 'Participatory - poster
City of event: Palma de Mallorca, Spain
Date of event: 2015
A Gutierrez-Camino; I Martín-Guerrero; E Lopez-Lopez; et al.
- 27** **Title of the work:** Genetic and metabolic determinants of methotrexate induced mucositis in pediatric acute lymphoblastic leukemia.
Name of the conference: 46th Congress of the International Society of Paediatric Oncology (SIOP).
Type of participation: Participatory - oral communication
City of event: Toronto, Canada
Date of event: 2014
M Den Hoed; E Lopez-Lopez; et al.
- 28** **Title of the work:** Genetic variation in MTX induced mucositis in pediatric acute lymphoblastic leukemia, a prospective study.
Name of the conference: 9th Biennial Childhood Leukemia Symposium.



Type of participation: 'Participatory - poster
City of event: Praga, Czech Republic
Date of event: 2014
M Den Hoed; E Lopez-Lopez; et al.

- 29** **Title of the work:** New susceptibility markers in pediatric acute lymphoblastic leukemia: non coding RNAs.
Name of the conference: 46th Congress of the International Society of Paediatric Oncology (SIOP).
Type of participation: 'Participatory - poster
City of event: Toronto, Canada
Date of event: 2014
A Gutierrez-Camino; E Lopez-Lopez; et al.
- 30** **Title of the work:** Non coding RNAs as new markers of susceptibility to osteosarcoma.
Name of the conference: 46th Congress of the International Society of Paediatric Oncology (SIOP).
Type of participation: 'Participatory - poster
City of event: Toronto, Canada
Date of event: 2014
N Bilbao-Aldaiturriaga; I Martin-Guerrero; E Lopez-Lopez; et al.
- 31** **Title of the work:** Non-coding RNAs-related polymorphisms in pediatric acute lymphoblastic leukemia susceptibility
Name of the conference: 9th Biennial Childhood Leukemia Symposium.
Type of participation: 'Participatory - poster
City of event: Praga, Czech Republic
Date of event: 2014
A Gutierrez-Camino; E Lopez-Lopez; et al.
- 32** **Title of the work:** Non-coding RNAs: a new field in the pharmacogenetics of pediatric acute lymphoblastic leukemia.
Name of the conference: 46th Congress of the International Society of Paediatric Oncology (SIOP).
Type of participation: 'Participatory - poster
City of event: Toronto, Canada
Date of event: 2014
E Lopez-Lopez; et al.
- 33** **Title of the work:** Pharmacogenetics of Micrnas and Micrnas Biogenesis Machinery in Pediatric Acute Lymphoblastic Leukemia.
Name of the conference: 9th Biennial Childhood Leukemia Symposium.
Type of participation: 'Participatory - poster
City of event: Praga, Czech Republic
Date of event: 2014
E Lopez-Lopez; et al.
- 34** **Title of the work:** RNAs no codificantes: un nuevo campo en la farmacogenética de la leucemia linfoblástica aguda infantil.
Name of the conference: VII Congreso de la Sociedad Española de Hematología y Oncología (SEHOP)
Type of participation: Participatory - oral communication
City of event: Las Palmas de Gran Canaria, Spain
Date of event: 2014
E Lopez-Lopez; et al.



- 35** **Title of the work:** Actualización de marcadores genéticos de agranulocitosis inducida por clozapina.
Name of the conference: VI Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica.
Type of participation: 'Participatory - poster
City of event: Bilbao, Spain
Date of event: 2013
A Hernandez; Z Askaiturrieta; E Lopez-Lopez.
- 36** **Title of the work:** Actualización en la farmacogenética de la vincristina.
Name of the conference: VI Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica.
Type of participation: 'Participatory - poster
City of event: Bilbao, Spain
Date of event: 2013
Z Askaiturrieta; E Lopez-Lopez.
- 37** **Title of the work:** Errores en la interpretación de alteraciones en el número de copias por el uso de las bases de datos como control normal. Ejemplo: leucemia linfoblástica aguda infantil. VII Congreso Nacional del Laboratorio Clínico
Name of the conference: VII Congreso Nacional del Laboratorio Clínico
Type of participation: 'Participatory - poster
City of event: Bilbao, Spain
Date of event: 2013
N Bastida Lertxundi; E Lopez-Lopez.
- 38** **Title of the work:** Improvement of risk characterization with cryptic duplications and deletions in childhood acute lymphoblastic leukemia.
Name of the conference: 9th European Cytogenetics Conference.
Type of participation: 'Participatory - poster
City of event: Dublin, Ireland
Date of event: 2013
E Lopez-Lopez; et al.
- 39** **Title of the work:** MiRNA related polymorphisms as susceptibility markers of childhood Acute Lymphoblastic Leukemia.)
Name of the conference: European Human Genetics Conference (ESGH)
Type of participation: 'Participatory - poster
City of event: Paris, France
Date of event: 2013
A Gutierrez-Camino; E Lopez-lopez; et al.
- 40** **Title of the work:** MicroRNA-related SNPs and toxicity in pediatric Acute Lymphoblastic Leukemia.
Name of the conference: 2nd Conference: Pharmacogenomics: From Cell to Clinic.
Type of participation: 'Participatory - poster
City of event: Lisbon, Portugal
Date of event: 2013
E Lopez-Lopez; et al.
- 41** **Title of the work:** MicroRNA-related SNPs as toxicity markers in pediatric Acute Lymphoblastic Leukemia.
Name of the conference: 14th International Congress of ASEICA.
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2013



E Lopez-Lopez; et al.

- 42** **Title of the work:** MicroRNA-related polymorphisms: new susceptibility markers in pediatric acute lymphoblastic acute leukemia.
Name of the conference: 14th International Congress of ASEICA.
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2013
A Gutierrez-Camino; E Lopez-Lopez; et al.
- 43** **Title of the work:** Neurotoxicity markers in pediatric acute lymphoblastic leukemia: SNPs in the vincristine pathway.
Name of the conference: 14th International Congress of ASEICA.
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2013
E Lopez-Lopez; et al.
- 44** **Title of the work:** New Osteosarcoma susceptibility markers: microRNA-related SNPs.
Name of the conference: 14th International Congress of ASEICA.
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2013
N Bilbao-Aldaiturriaga; E Lopez-Lopez; et al.
- 45** **Title of the work:** New genetic markers for risk groups characterization in childhood acute lymphoblastic leukemia.
Name of the conference: 14th International Congress of ASEICA.
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2013
E Lopez-Lopez; et al.
- 46** **Title of the work:** New genetic markers for vincristine toxicity in childhood Acute Lymphoblastic Leukemia.
Name of the conference: 2nd Conference: Pharmacogenomics: From Cell to Clinic.
Type of participation: 'Participatory - poster
City of event: Lisbon, Portugal
Date of event: 2013
E Lopez-Lopez; et al.
- 47** **Title of the work:** New markers of susceptibility to Osteosarcoma: microRNAs.
Name of the conference: 45th Congress of the International Society of Paediatric Oncology (SIOP).
Type of participation: 'Participatory - poster
City of event: Hong Kong, China
Date of event: 2013
N Bilbao-Aldaiturriaga; E Lopez-Lopez; et al.
- 48** **Title of the work:** New markers of susceptibility to Osteosarcoma: microRNAs.
Name of the conference: European Human Genetics Conference (ESGH)
Type of participation: 'Participatory - poster
City of event: Paris, France



Date of event: 2013

N Bilbao-Aldaiturriaga; E Lopez-Lopez; et al.

- 49** **Title of the work:** New susceptibility markers of childhood acute lymphoblastic leukemia: microRNA-related polymorphisms.
Name of the conference: 45th Congress of the International Society of Paediatric Oncology (SIOP).
Type of participation: 'Participatory - poster
City of event: Hong Kong, China
Date of event: 2013
A Gutierrez-Camino; E Lopez-Lopez; et al.
- 50** **Title of the work:** Pharmacogenetics of MicroRNAs in osteosarcoma
Name of the conference: 45th Congress of the International Society of Paediatric Oncology (SIOP).
Type of participation: Participatory - oral communication
City of event: Hong Kong, China
Date of event: 2013
N Bilbao-Aldaiturriaga; E Lopez-Lopez; et al.
- 51** **Title of the work:** Pharmacogenetics of microRNAs and microRNAs biogenesis machinery in pediatric Acute Lymphoblastic Leukemia.
Name of the conference: VI Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica.
Type of participation: Participatory - oral communication
City of event: Bilbao, Spain
Date of event: 2013
E Lopez-Lopez; et al.
- 52** **Title of the work:** Pharmacogenetics of microRNAs in Osteosarcoma.
Name of the conference: 2nd Conference: Pharmacogenomics: From Cell to Clinic.
Type of participation: 'Participatory - poster
City of event: Lisbon, Portugal
Date of event: 2013
N Bilbao-Aldaiturriaga; E Lopez-Lopez; et al.
- 53** **Title of the work:** Pharmacogenetics of vincristine in childhood Acute Lymphoblastic Leukemia.
Name of the conference: VI Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica.
Type of participation: 'Participatory - poster
City of event: Bilbao, Spain
Date of event: 2013
E Lopez-Lopez; et al.
- 54** **Title of the work:** Polymorphisms in genes involved in the miRNAs biogenesis and pre-miRNAs affect the risk to develop CLL.
Name of the conference: 14th International Congress of ASEICA.
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2013
I Martín-Guerrero; A Gutierrez-Camino; E Lopez-Lopez; et al.
- 55** **Title of the work:** Polymorphisms in genes of the vincristine pathway as neurotoxicity markers in pediatric acute lymphoblastic leukemia.
Name of the conference: 45th Congress of the International Society of Paediatric Oncology (SIOP).



Type of participation: 'Participatory - poster
City of event: Hong Kong, China
Date of event: 2013
E Lopez-Lopez; et al.

56 **Title of the work:** Puesta al día de la implicación de las variaciones en los genes SLC22A6 y SLC22A8 en la toxicidad de fármacos.
Name of the conference: VI Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica.
Type of participation: 'Participatory - poster
City of event: Bilbao, Spain
Date of event: 2013
N Bilbao-Aldaiturriaga; E Lopez-Lopez.

57 **Title of the work:** Cryptic Duplications and Deletions to improve risk groups in childhood acute lymphoblastic leukemia
Name of the conference: III Encuentro Científico de Jóvenes Investigadores de la RTICC
Type of participation: Participatory - oral communication
City of event: Barcelona, Spain
Date of event: 2012
E Lopez-Lopez; et al.

58 **Title of the work:** Genetic variants in miRNAs: New predictive markers in the origin of pediatric acute lymphoblastic leukemia.
Name of the conference: III Encuentro Científico de Jóvenes Investigadores de la RTICC.
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 2012
A Gutierrez-Camino; E Lopez-Lopez; et al.

59 **Title of the work:** Improvement in risk groups classification in childhood acute lymphoblastic leukemia: cryptic duplications and deletions.
Name of the conference: 44th Congress of the International Society of Paediatric Oncology.
Type of participation: 'Participatory - poster
City of event: London, United Kingdom
Date of event: 2012
E Lopez-Lopez; et al.

60 **Title of the work:** Mejora en la clasificación de grupos de riesgo en leucemia linfoblástica aguda infantil: duplicaciones y deleciones crípticas.
Name of the conference: V Congreso de la Sociedad Española de Hematología y Oncología Pediátricas
Type of participation: 'Participatory - poster
City of event: Pamplona, Spain
Date of event: 2012
E Lopez-Lopez; et al.

61 **Title of the work:** Micrornas as potencial markers of toxicity in childhood acute lymphoblastic leukemia.
Name of the conference: 44th Congress of the International Society of Paediatric Oncology.
Type of participation: 'Participatory - poster
City of event: London, United Kingdom
Date of event: 2012
E Lopez-Lopez; et al.



- 62** **Title of the work:** Micrnas como posibles marcadores de toxicidad en leucemia linfática aguda infantil. .
Name of the conference: V Congreso de la Sociedad Española de Hematología y Oncología Pediátricas
Type of participation: 'Participatory - poster
City of event: Pamplona, Spain
Date of event: 2012
E Lopez-lopez; et al.
- 63** **Title of the work:** Genes de transporte de metotrexato como nuevos marcadores de toxicidad en Leucemia Linfoblástica Aguda infantil.
Name of the conference: IV Congreso nacional de la Sociedad Española de Hematología y Oncología pediátrica
Type of participation: Participatory - oral communication
City of event: Valencia, Spain
Date of event: 2011
E Lopez-Lopez; et al.
- 64** **Title of the work:** Genetic variations in methotrexate transport pathway: A new tool for toxicity prevention in pediatric acute lymphoblastic leukemia.
Name of the conference: XIII Congreso de ASEICA
Type of participation: 'Participatory - poster
City of event: Salamanca, Spain
Date of event: 2011
E Lopez-Lopez; et al.
- 65** **Title of the work:** IRF4 polymorphisms and B-Cell Lymphomas risk.
Name of the conference: 22nd Meeting of the German Society of Human Genetics.
Type of participation: 'Participatory - poster
City of event: Regensburg, Germany
Date of event: 2011
I Martin-Guerrero; I Salaverria; E Lopez-Lopez; et al.
- 66** **Title of the work:** Los polimorfismos C677T y A1298C en MTHFR no son útiles como marcadores de toxicidad en Leucemia Linfoblástica Aguda infantil. .
Name of the conference: IV Congreso nacional de la Sociedad Española de Hematología y Oncología pediátrica
Type of participation: 'Participatory - poster
City of event: Valencia, Spain
Date of event: 2011
E Lopez-Lopez; et al.
- 67** **Title of the work:** Los polimorfismos C677T y A1298C en MTHFR no son útiles para predecir la toxicidad de dosis altas de metotrexato. .
Name of the conference: XXVI Congreso Nacional de Genética Humana
Type of participation: 'Participatory - poster
City of event: Murcia, Spain
Date of event: 2011
E Lopez-Lopez; et al.



- 68** **Title of the work:** MTHFR C677T and A1298C polymorphisms are not useful as toxicity predictors in childhood acute lymphoblastic leukaemia.
Name of the conference: 43rd Congress of the International Society of Paediatric Oncology
Type of participation: Participatory - oral communication
City of event: Auckland, New Zealand
Date of event: 2011
E Lopez-Lopez; et al.
- 69** **Title of the work:** MTHFR pharmacogenetics and methotrexate toxicity in childhood acute lymphoblastic leukemia.
Name of the conference: 16th ECCO-36th ESMO Multidisciplinary Cancer Congress
Type of participation: 'Participatory - poster
City of event: Stockholm, Sweden
Date of event: 2011
E Lopez-Lopez; et al.
- 70** **Title of the work:** Methotrexate transporter genes as new toxicity markers in childhood acute lymphoblastic leukemia.
Name of the conference: 43rd Congress of the International Society of Paediatric Oncology
Type of participation: 'Participatory - poster
City of event: Auckland, New Zealand
Date of event: 2011
E Lopez-Lopez; et al.
- 71** **Title of the work:** Nuevos marcadores de toxicidad en leucemia linfoblástica aguda infantil: ruta de transporte del metotrexato. .
Name of the conference: V Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica
Type of participation: Participatory - oral communication
City of event: Pamplona, Spain
Date of event: 2011
E Lopez-Lopez; et al.
- 72** **Title of the work:** Polimorfismos en el gen SLCO1B1: Nuevo marcador de toxicidad del metotrexato.
Name of the conference: XXVI Congreso Nacional de Genética Humana
Type of participation: 'Participatory - poster
City of event: Murcia, Spain
Date of event: 2011
E Lopez-Lopez; et al.
- 73** **Title of the work:** Polymorphisms in methotrexate transport pathway: a new tool for toxicity prevention in pediatric acute lymphoblastic leukemia.
Name of the conference: 16th ECCO-36th ESMO Multidisciplinary Cancer Congress
Type of participation: Participatory - oral communication
City of event: Stockholm, Sweden
Date of event: 2011
E Lopez-Lopez; et al.
- 74** **Title of the work:** Polymorphisms in microRNAs and MicroRNAs biogenesis machinery in risk, drug response and prognosis in pediatric Acute Lymphoblastic Leukemia.
Name of the conference: XIII Congreso de ASEICA
Type of participation: 'Participatory - poster

City of event: Salamanca, Spain
Date of event: 2011
E Lopez-Lopez; et al.

- 75** **Title of the work:** Revisión crítica del papel de MTHFR en la toxicidad de la leucemia linfoblástica aguda infantil.
Name of the conference: V Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica
Type of participation: 'Participatory - poster
City of event: Pamplona, Spain
Date of event: 2011
E Lopez-lopez; et al.
- 76** **Title of the work:** Update on MTHFR pharmacogenetics and methotrexate toxicity in childhood acute lymphoblastic leukemia.
Name of the conference: XIII Congreso de ASEICA
Type of participation: 'Participatory - poster
City of event: Salamanca, Spain
Date of event: 2011
E Lopez-Lopez; et al.
- 77** **Title of the work:** Genetic and epigenetic variation and toxicity and/or outcome during therapy in childhood acute lymphoblastic leukemia. .
Name of the conference: 4th ESF Conference on Functional Genomics and Disease
Type of participation: 'Participatory - poster
City of event: Dresden, Germany
Date of event: 2010
E Lopez-Lopez; et al.
- 78** **Title of the work:** Genetic polymorphisms of MTHFR C677T and A1298C in the individualisation of the dose of methotrexate in childhood acute lymphoblastic leukaemia patients treated with LAL/SHOP protocol.
Name of the conference: 42nd Congress of the International Society of Paediatric Oncology.
Type of participation: 'Participatory - poster
City of event: Boston, United States of America
Date of event: 2010
E Lopez-Lopez; et al.
- 79** **Title of the work:** Genetic polymorphisms of TPMT in the individualisation of the dose of 6-mercaptopurine in childhood acute lymphoblastic leukaemia patients treated with LAL/SHOP protocol.
Name of the conference: 42nd Congress of the International Society of Paediatric Oncology.
Type of participation: 'Participatory - poster
City of event: Boston, United States of America
Date of event: 2010
E Lopez-Lopez; et al.
- 80** **Title of the work:** Pharmacogenetics and pharmacoepigenetics of childhood Acute Lymphoblastic Leukemia. .
Name of the conference: AACR Conference on Translational Cancer Medicine 2010 (Europe)
Type of participation: 'Participatory - poster
City of event: Amsterdam, Holland
Date of event: 2010
E Lopez-Lopez; et al.



- 81** **Title of the work:** Polymorphisms in SLCO1B1 gene: a new tool for MTX toxicity prevention. .
Name of the conference: Cancer Pharmacogenetics: personalizing medicine
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 2010
E Lopez-Lopez; et al.
- 82** **Title of the work:** Polymorphisms of the SLCO1B1 gene predict methotrexate-related toxicity in childhood acute lymphoblastic leukemia.
Name of the conference: IV Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica.
Type of participation: Participatory - oral communication
City of event: Pamplona, Spain
Date of event: 2010
E Lopez-Lopez; et al.
- 83** **Title of the work:** Polymorphisms of the SLCO1B1 gene predict methotrexate-related toxicity in childhood acute lymphoblastic leukemia. .
Name of the conference: II Encuentro Científico Jóvenes Investigadores de la RTICC
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2010
E Lopez-Lopez; et al.
- 84** **Title of the work:** Cooximetría, una buena herramienta para discriminar entre fumadores y no fumadores. .
Name of the conference: VIII Congreso Nacional de Prevención y Tratamiento del Tabaquismo
Type of participation: 'Participatory - poster
City of event: Cordoba, Spain
Date of event: 2009
C Cortijo; ...; E Lopez-Lopez; et al.
- 85** **Title of the work:** Correlation Between Genetic Polymorphisms And Toxicity And/Or Outcome During Therapy In Childhood Acute Lymphoblastic Leukemia. .
Name of the conference: XII National Congress ASEICA
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 2009
E Lopez-Lopez; et al.
- 86** **Title of the work:** Leucemia Linfoblástica Aguda Infantil: Polimorfismos genéticos asociados con toxicidad o respuesta durante la terapia.
Name of the conference: I Encuentro Jóvenes Investigadores de la RTICC.
Type of participation: 'Participatory - poster
City of event: Salamanca, Spain
Date of event: 2009
E Lopez-Lopez; et al.
- 87** **Title of the work:** Genetic polymorphisms associated with adverse events in childhood acute lymphoblastic leukaemia treated with SHOP-2005 protocol.
Name of the conference: 20th EORTC-NCI-AACR symposium on "Molecular targets and Cancer Therapeutics".



Type of participation: 'Participatory - poster
City of event: Geneve, Switzerland
Date of event: 2008
E Lopez-Lopez; et al.

88 **Title of the work:** MTX pathway polymorphisms useful as predictors of toxicity and outcome in childhood acute lymphoblastic leukemia.
Name of the conference: Illrd EuroEspes Annual Conference.
Type of participation: 'Participatory - poster
City of event: A Coruña, Spain
Date of event: 2008
E Lopez-Lopez; et al.

89 **Title of the work:** Polimorfismos asociados con sucesos adversos en Leucemia Linfoblástica Aguda infantil.
Name of the conference: Congreso de la Sociedad Española Bioquímica y Biología Molecular.
Type of participation: 'Participatory - poster
City of event: Bilbao, Spain
Date of event: 2008
E Lopez-Lopez; et al.

Other dissemination activities

1 **Title of the work:** Genetics
Name of the event: Science, Technology and Innovation Week
Type of event: Fairs and exhibitions
City of event: Bilbao, Spain
Date of event: 11/2010
Organising entity: Universidad del País Vasco **Type of entity:** University

2 **Title of the work:** Institute for the treatment and investigation of the nicotine-dependence
Name of the event: Science, Technology and Innovation Week
Type of event: Fairs and exhibitions
City of event: Bilbao, Spain
Date of event: 11/2009
Organising entity: Universidad del País Vasco **Type of entity:** University

3 **Title of the work:** Institute for the treatment and investigation of the nicotine-dependence
Name of the event: Science, Technology and Innovation Week
Type of event: Fairs and exhibitions
City of event: Bilbao, Spain
Date of event: 11/2008
Organising entity: Universidad del País Vasco **Type of entity:** University

4 **Title of the work:** Nuevos marcadores podrían mejorar el tratamiento y la supervivencia de la leucemia linfoblástica aguda
Type of event: Media interviews
City of event: Leioa, Spain
Organising entity: Universidad del País Vasco **Type of entity:** University

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: Pediatric Oncology Education (POE) Program
Affiliation entity: St Jude Children's Research Hospital
City affiliation entity: Memphis, United States of America
Start-End date: 2015 - 2015

Organization of R&D activities

- 1 Title of the activity:** VI Congreso SEFF
Type of activity: Conference
City of event: Bilbao, Basque Country, Spain
Convening entity: Universidad del País Vasco **Type of entity:** University
City convening entity: Basque Country, Spain
Type of participation: Organiser
Start-End date: 07/2013 - 07/2013 **Duration:** 2 days
- 2 Title of the activity:** Meeting of the I-BFM-GV Task Force/COST Legend
Convening entity: Universidad del País Vasco **Type of entity:** University
Start date: 02/2018

Evaluation and revision of R&D projects and articles

- 1 Performed tasks:** Reviewer for BioReports
Type of activity: Review of articles in scientific or technological journals
- 2 Performed tasks:** Reviewer for Haematologica
Type of activity: Review of articles in scientific or technological journals
- 3 Performed tasks:** Reviewer for Journal of Pediatric Hematology and Oncology
Type of activity: Review of articles in scientific or technological journals
- 4 Performed tasks:** Reviewer for Pediatric Blood and Cancer
Type of activity: Review of articles in scientific or technological journals
- 5 Performed tasks:** Reviewer for Tumor Biology
Type of activity: Review of articles in scientific or technological journals
- 6 Performed tasks:** Reviewer for World Journal of Pediatrics
Type of activity: Review of articles in scientific or technological journals

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** St Jude Children's Research Hospital
City of entity: Memphis, United States of America
Start-End date: 23/01/2014 - 29/11/2016
Goals of the stay: Post-doctoral
Type of entity: Healthcare Institutions
- 2** **Entity:** Erasmus MC
Faculty, institute or centre: Pediatric Oncology
City of entity: Rotterdam, Holland
Start-End date: 01/2012 - 04/2012
Goals of the stay: Doctorate
Type of entity: Healthcare Institutions
- 3** **Entity:** Hospital del Mar
Faculty, institute or centre: Laboratory of Cytogenetics
City of entity: Barcelona, Spain
Start-End date: 06/2011 - 06/2011
Goals of the stay: Technical learning
Type of entity: Healthcare Institutions
- 4** **Entity:** Centro de Investigacion Medica Aplicada (CIMA)
Faculty, institute or centre: Genomic Unit
Start-End date: 05/2011 - 05/2011
Goals of the stay: Technical learning
- 5** **Entity:** CIC bioGUNE, Centro de Investigación
Cooperativa en Biociencias
Faculty, institute or centre: Laboratory of Cytogenetics
City of entity: Derio, Spain
Start-End date: 01/2009 - 01/2009
Goals of the stay: Technical learning
Type of entity: Innovation and Technology Centres
- 6** **Entity:** Hospital de Cruces
Faculty, institute or centre: Laboratory of Cytogenetics
City of entity: Barakaldo, Spain
Start-End date: 11/2007 - 11/2007
Goals of the stay: Technical learning
Type of entity: Healthcare Institutions



Obtained grants and scholarships

- 1** **Name of the grant:** Postdoctoral fellowship
Aims: Post-doctoral
Awarding entity: Department of Education, Universities and Investigation of the Basque Government
Conferral date: 01/01/2014 **Duration:** 2 years
End date: 31/12/2015
Entity where activity was carried out: St Jude Children's Research Hospital (Memphis, USA)
- 2** **Name of the grant:** Fellowship for recent Doctors until their integration in postdoctoral programs
Aims: Post-doctoral
Awarding entity: Universidad del País Vasco **Type of entity:** University
Conferral date: 08/2012 **Duration:** 9 months
End date: 05/2013
Entity where activity was carried out: Universidad del País Vasco
- 3** **Name of the grant:** Predoctoral fellowship for the training of investigation personnel
Aims: Pre-doctoral
Awarding entity: Department of Education, Universities and Investigation of the Basque Government
Conferral date: 01/01/2008 **Duration:** 4 years
End date: 31/12/2011
Entity where activity was carried out: Universidad del País Vasco
- 4** **Name of the grant:** Introduction to the Investigation_Spanish Network of Cooperative Investigation in Cancer
Aims: Pre-doctoral
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 01/07/2007 **Duration:** 3 months
End date: 30/09/2007
Entity where activity was carried out: Universidad del País Vasco
- 5** **Name of the grant:** RTICC Short Stay grant
Aims: Pre-doctoral
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 12/2011 **Duration:** 3 months
Entity where activity was carried out: Erasmus MC (Rotterdam, Netherlands)
- 6** **Name of the grant:** RTICC Travel grant
Aims: attend the "XXVI Congreso Nacional de Genética Humana" in Murcia (Spain)
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 03/2011
- 7** **Name of the grant:** ESF grant
Aims: inscription in the "4th ESF Conference on Functional Genomics and Disease" in Dresden (Germany)
Awarding entity: European Science Foundation **Type of entity:** Foundation
Conferral date: 03/2010



- 8** **Name of the grant:** RTICC Travel grant
Aims: attend the “4th ESF Conference on Functional Genomics and Disease” in Dresden (Germany)
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 03/2010
- 9** **Name of the grant:** Matriculation grant by the RTICC
Aims: e-Oncology course “Metodologic basis in the investigation in Biomedicine: Epidemiologic and Bioestadistical tools”. Institute of Oncology from Catalonia
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 2009
- 10** **Name of the grant:** RTICC Travel grant
Aims: attend the “Third EuroEspes Annual Conference” in A Coruña (Spain)
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 12/2008
- 11** **Name of the grant:** RTICC Travel grant
Aims: attend the 20th EORTC-NCI-AACR symposium on "Molecular targets and Cancer Therapeutics" in Geneva (Switzerland)
Awarding entity: Instituto de Salud Carlos III **Type of entity:** Public Research Body
Conferral date: 10/2008

Prizes, mentions and distinctions

- 1** **Description:** Consolidated Research Group of Excellence
Awarding entity: OSI Ezkerraldea Enkarterri Cruces **Type of entity:** Foundation
City awarding entity: Barakaldo, Spain
Conferral date: 05/2018
- 2** **Description:** Best oral communication.
Awarding entity: VI Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica. **Type of entity:** Associations and Groups
City awarding entity: Bilbao, Spain
Conferral date: 07/2013
- 3** **Description:** Best student poster presentation (supervisor).
Awarding entity: VI Congreso de la Sociedad Española de Farmacogenética y Farmacogenómica. **Type of entity:** Associations and Groups
City awarding entity: Bilbao, Spain
Conferral date: 07/2013
- 4** **Description:** Best poster presentation
Awarding entity: IV Congreso nacional de la Sociedad Española de Hematología y Oncología pediátrica **Type of entity:** Associations and Groups
City awarding entity: Valencia
Conferral date: 05/2011



- 5** **Description:** Best poster presentation
Awarding entity: IIIrd EuroEspes Annual Conference **Type of entity:** Foundation
City awarding entity: A Coruña, Spain
Conferral date: 12/2008

Obtained accreditations/recognitions

- 1** **Description:** Doctor Researcher in Experimental Sciences
Accrediting entity: Unibasq
Date of recognition: 27/05/2019
- 2** **Description:** Adjunct Professor in Experimental Sciences
Accrediting entity: Unibasq
Date of recognition: 27/10/2014