



Anna Bigas Salvans

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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 a long-standing interest in hematopoietic stem cells and leukemogenesis. My work as a post-doc was pioneering in identifying a role of Notch in the regulating hematopoietic differentiation, a highly influential contribution to the field of hematopoiesis (PNAS 1996, Mol. Cell. Biol 1998).

Since starting my independent research group in Spain I have sought to decipher the molecular mechanisms that regulate stem cell commitment, maintenance, differentiation and oncogenic transformation, mainly focussed in the hematopoietic system. Through refined genetic studies my group has demonstrated crucial roles for Notch and Wnt in the generation of hematopoietic stem cells in the mouse embryo (Development, 2005, EMBO J 2008, JEM 2012, 2013, 2014, Nature Comm 2015, EMBO J 2020) and recently participated in important reviews of this subject (Cell Stem Cell 2018). In addition we have uncovered a role of Notch in regulating programmed cell death in erythroid lineages (Leukemia 2007), and the contribution of Notch and Wnt to T-ALL (Leukemia 2016) or intestinal development and cancer (PNAS 2009, Development 2015, Nature Communications 2018).

My long standing scientific association with Dr. Lluís Espinosa's group also helped identify NFκB as a new therapeutic target for the treatment of T-ALL (Cancer Cell 2010 and Cell Cycle 2011), by showing that Hes1, a transcriptional repressor downstream of Notch, is responsible for NF-κB activation in T cell leukaemia or CTCL (Leukemia 2018), as well as discovering novel functions for specific NFκB elements in colorectal and skin cancer (PNAS 2004, 2007; Cell Reports 2012, Cancer Cell 2013, Science Signaling 2015). These studies have provided important information on how leukemic and cancer cells function.

We have many national and international collaborations that have resulted in publications in top journals (Science 2013, Dev Cell 2013, G&D 2014, Nature Comm 2015, Cancer Cell 2018, Haematologica 2019).



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.

H index: 38 (Google Scholar 11/05/2020) (<https://scholar.google.es/citations?user=PA9XPFwAAAAJ&hl=es>)

**Anna Bigas Salvans**

Surname(s): **Bigas Salvans**
 Name: **Anna**
 NIE: **46125919V**
 ORCID: **0000-0003-4801-6899**
 ResearcherID: **A-7457-2014**
 Date of birth: **01/10/1965**
 Gender: **Female**
 Nationality: **Spain**
 Country of birth: **Spain**
 Aut. region/reg. of birth: **Catalonia**
 Contact province: **Barcelona**
 City of birth: **Barcelona**
 Contact address: **Comte d'Urgell 165-167**
 Postcode: **08036**
 Contact country: **Spain**
 Contact aut. region/reg.: **Catalonia**
 Contact city: **Barcelona**
 Land line phone: **(34) 933160440**
 Fax: **(34) 9331600410**
 Email: **abigas@imim.es**
 Mobile phone: **(34) 677482878**
 Personal web page: **www.imim.cat/programesrecerca/cancer/annabigas.html**

Current professional situation**Employing entity:** CIBERONC**Professional category:** SCIENTIFIC DIRECTOR**Start date:** 26/03/2020**Type of contract:** NO CONTRACT**Dedication regime:** Part time**Employing entity:** INSTITUTO HOSPITAL DEL MAR DE INVESTIGACION MEDICA **Type of entity:** Healthcare Institutions**Department:** IMIM**Professional category:** Coordinator and Group Leader**Start date:** 15/01/2009**Type of contract:** Permanent employment contract**Primary (UNESCO code):** 240700 - Cell biology**Previous positions and activities**

	Employing entity	Professional category	Start date
1	CIBERONC	PROGRAM CO-COORDINATOR	01/01/2017
2		Senior Group Leader	01/01/2000



	Employing entity	Professional category	Start date
	FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)		
3	INSTITUT DE RECERCA ONCOLOGICA, IRO	Junior Group Leader	01/06/1996
4	FRED HUTCHINSON CANCER RESEARCH CENTER	Postdoctoral investigator	01/01/1993

1 **Employing entity:** CIBERONC

Professional category: PROGRAM CO-COORDINATOR

Start-End date: 01/01/2017 - 26/03/2020

2 **Employing entity:** FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)

Professional category: Senior Group Leader

Start-End date: 01/01/2000 - 15/01/2009

Duration: 9 years - 15 days

3 **Employing entity:** INSTITUT DE RECERCA ONCOLOGICA, IRO

Professional category: Junior Group Leader

Start-End date: 01/06/1996 - 31/12/1999

Type of entity: Foundation

Duration: 3 years - 6 months

4 **Employing entity:** FRED HUTCHINSON CANCER RESEARCH CENTER

Professional category: Postdoctoral investigator

Start-End date: 01/01/1993 - 01/04/1997

Type of entity: Healthcare Institutions

Duration: 4 years



Education

University education

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

University degree: Higher degree

Name of qualification: Bs Biology

Degree awarding entity: Universitat de Barcelona **Type of entity:** University

Date of qualification: 01/07/1988

Doctorates

Doctorate programme: Cell Biology Programme

Degree awarding entity: Universitat de Barcelona **Type of entity:** University

Date of degree: 15/01/1993

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

- 1 Training title:** Media Skills Training
Awarding entity: PRBB intervals
End date: 25/05/2010 **Duration in hours:** 8 hours
- 2 Training title:** III Curso de Capacitación para Operadores en Instalaciones Radioactivas, Campo de aplicación: Laboratorio con fuentes no encapsuladas
Awarding entity: Fundación Bonanova
End date: 27/06/2007
- 3 Training title:** Personal Investigador para experimentación animal
Awarding entity: Generalitat de Catalunya **Type of entity:** State agency
End date: 12/09/2001

Language skills

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



Teaching experience

General teaching experience

- 1 Name of the course:** Introduction to Stem Cells
University degree: Master Universitario
Start date: 11/01/2016 **End date:** 15/01/2016
End date: 14/01/2016
Entity: University of Utrecht **Type of entity:** University
Faculty, institute or centre: UMC Utrecht
- 2 Name of the course:** Cáncer y Modelos animales: avances y retos
University degree: curso de verano
Start date: 15/07/2009 **End date:** 17/07/2009
End date: 17/07/2009
Entity: Universidad Internacional de Andalucía **Type of entity:** University
- 3 Name of the course:** Biología Celular y Molecular de la Sangre
University degree: Master en Medicina Transfusional
Start date: 13/12/2004 **End date:** 17/12/2004
End date: 17/12/2004
Entity: Centre de transfusió i Banc de Teixits **Type of entity:** Administrative Body of the National Health System
- 4 Name of the course:** Course on Developmental Biology
University degree: Master in Stem Cell Biology
Start date: 26/10/2017
End date: 26/10/2018
Entity: Pierre and Marie Curie **Type of entity:** University
Faculty, institute or centre: University
- 5 Name of the course:** Molecular Pathology of Systems
University degree: Biomedicine Master
Start date: 22/11/2012
End date: 22/11/2013
Entity: Universidad Pompeu Fabra **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias de la Salud y de la Vida
- 6 Name of the course:** Activación y Transducción de señales
University degree: Immunology Master
Start date: 01/11/2005
End date: 01/12/2019
Entity: Universidad de Barcelona / Universitat Autònoma de Barcelona



Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Unravelling new oncogenic functions of IKK α towards a better understanding of colorectal carcinogenesis
Entity: Universidad Pompeu Fabra **Type of entity:** University
Student: Carlota Colomer
Obtained qualification: Excellent Cum Laude
Date of reading: 21/12/2017
- 2** **Project title:** Understanding the development of MLL-rearranged leukemias
Entity: Universitat Pompeu Fabra **Type of entity:** University
Student: Roshani Sinha
Obtained qualification: DEFENSE DEC 2016
Date of reading: 16/12/2016
- 3** **Project title:** Notch signalling in intestinal homeostasis and cancer: orchestrator of stemness
Type of project: Doctoral thesis
Entity: UNIVERSITAT POMPEU FABRA **Type of entity:** University
Student: Erika López Arribillaga
Obtained qualification: EXCELLENT CUM LAUDE
Date of reading: 17/06/2016
European doctorate: No
Quality recognition: No
- 4** **Project title:** Notch ligands orchestrate the endotelial to hematopoietic transition during embryonic development in the Mouse.
Type of project: Doctoral thesis
Entity: Universidad Pompeu Fabra **Type of entity:** University
Student: Eva Ferrando
Obtained qualification: EXCELLENT CUM LAUDE
Date of reading: 10/11/2015
European doctorate: No
Quality recognition: No
- 5** **Project title:** Identification and characterization of an oncogenic form of IKK γ in colorectal cancer.
Entity: Universidad Pompeu Fabra **Type of entity:** University
Student: Pol Margalef Gonzalez
Obtained qualification: EXCELLENT CUM LAUDE
Date of reading: 17/02/2014
- 6** **Project title:** UNDERSTANDING THE MOLECULAR MECHANISMS INVOLVED IN NOTCH1 INDUCED LEUKEMIA
Entity: Universidad Pompeu Fabra **Type of entity:** University
Student: TERESA D'ALTRI
Obtained qualification: APTO CUM LAUDE
Date of reading: 25/07/2013



- 7** **Project title:** NOTCH ACTIVATION AND DOWNSTREAM TARGETS IN EMBRYONIC HEMATOPOIESIS
Co-director of thesis: Lluís Espinosa Blay
Entity: Universidad Pompeu Fabra **Type of entity:** University
Student: JORDI GUIU SAGARRA
Obtained qualification: APTO CUM LAUDE
Date of reading: 25/11/2012
European doctorate: No
Quality recognition: Yes
- 8** **Project title:** NOTCH AND WNT: JOINING EFFORTS TO MAINTAIN INTESTINAL HOMEOSTASIS
Co-director of thesis: LLUIS ESPINOSA BLAY
Entity: Universitat de Barcelona **Type of entity:** University
Student: VERONICA RODILLA BENITO
Obtained qualification: APTO CUM LAUDE
Date of reading: 2011
- 9** **Project title:** PAPEL DE WNT EN LA HEMATOPOYESIS EMBRIONARIA: INTERACCION CON LA VIA DE NOTCH
Co-director of thesis: LLuis Espinosa Blay
Entity: Universitat de Barcelona **Type of entity:** University
Student: CRISTINA RUIZ HERGUIDO
Obtained qualification: APTO CUM LAUDE
Date of reading: 2010
- 10** **Project title:** PAPEL DE LOS COREPRESSORES TRANSCRIPCIONALES EN LA TRANSFORMACIÓN TUMORAL
Co-director of thesis: LLUIS ESPINOSA BLAY
Entity: Universitat de Barcelona **Type of entity:** University
Student: VANESSA FERNANDEZ MAJADA
Obtained qualification: APTO CUM LAUDE
Date of reading: 2009
- 11** **Project title:** ANALISIS FUNCIONAL DE RBP Y NOTCH EN LA HEMATOPOYESIS EMBRIONARIA
Entity: Universitat de Barcelona **Type of entity:** University
Student: ALEX ROBERT MORENO
Obtained qualification: APTO CUM LAUDE
Date of reading: 2007
European doctorate: Yes
- 12** **Project title:** PAPEL DE IKB EN LA REGULACION DE LA REPRESION TRANSCRIPCITONAL
Type of project: Doctoral thesis
Co-director of thesis: Lluís Espinosa Blay
Entity: Universitat de Barcelona **Type of entity:** University
Student: CRISTINA AGUILERA XIOL
Obtained qualification: APTO CUM LAUDE
Date of reading: 2006
Quality recognition: Yes **Date of award:** 2006



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:** HEMATOPOIETIC AND LEUKEMIC STEM CELL SPECIFICATION
Type of project: Basic research (including archaeological digs, etc)
Entity where project took place: FUNDACIÓ IMIM
City of entity: Barcelona, Catalonia, Spain
Nº of researchers: 2
Funding entity or bodies:
 Ministerio de Economía e Innovación **Type of entity:** State agency
City funding entity: Spain
Name of the programme: BIOMEDICINE
Code according to the funding entity: SAF2016-75613R
Start-End date: 01/01/2017 - 31/12/2109
Total amount: 360.000 €
- 2** **Name of the project:** EXPLORING MECHANISMS OF RESISTANCE IN ADULT AND PAEDIATRIC T-ACUTE LYMPHOBLASTIC LEUKEMIA.
Type of project: Research and development, **Geographical area:** National including transfer
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: FUNDACIÓ IMIM
City of entity: Barcelona, Catalonia, Spain
Name principal investigator (PI, Co-PI....): Anna Bigas Salvans; Nuria López Bigas; Jose Maria Ribera Santasusana
Nº of researchers: 6
Funding entity or bodies:
 FUNDACION CIENTIFICA ASOCIACION ESPAÑOLA CONTRA EL CANCER
City funding entity: Spain
Name of the programme: AYUDAS A GRUPOS ESTABLES
Start-End date: 01/11/2016 - 01/11/2022
Total amount: 1.100.000 €
- 3** **Name of the project:** Human disease modelling of GATA2-related Myelodysplastic Syndromes and Acute Myeloid Leukemia (GATA2-Humo)
Entity where project took place: FUNDACIÓ IMIM
City of entity: Barcelona, Spain
Name principal investigator (PI, Co-PI....): Alessandra Giorgetti; Anna Bigas; Csaba Bodor; Marcin Wlodarski
Nº of researchers: 4
Funding entity or bodies:
 Departamento de salud **Type of entity:** Healthcare Institutions
City funding entity: Barcelona, Spain



Start-End date: 01/03/2019 - 28/02/2022

Total amount: 942.369 €

4 Name of the project: STEM CELLS AND CANCER

Entity where project took place: FUNDACIÓ IMIM

City of entity: Barcelona, Spain

Nº of researchers: 12

Funding entity or bodies:

Generalitat de Catalunya

Type of entity: Autonomico

City funding entity: Barcelona, Catalonia, Spain

Start-End date: 01/01/2018 - 31/12/2019

Total amount: 20.000 €

5 Name of the project: BLOOD REGENERATION FROM EMBRYONIC STEM CELLS

Entity where project took place: Instituto Municipal de Investigación Médica **Type of entity:** University Research Institute

City of entity: barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Anna Bigas Salvans; Pablo Menendez; Nuria Nogues

Nº of researchers: 8

Start-End date: 27/03/2017 - 31/12/2019

Total amount: 803.021 €

6 Name of the project: NUCLEAR ACTIVE IKK AS BIOMARKER AND NEW THERAPEUTIC TARGET FOR COLORECTAL CANCER

Entity where project took place: FUNDACIÓ IMIM

Name principal investigator (PI, Co-PI....): LLUIS ESPINOSA BLAY

Nº of researchers: 11

Funding entity or bodies:

FUNDACIO LA MARATO TV3

Type of entity: Foundation

City funding entity: BARCELONA, Catalonia, Spain

Start-End date: 15/04/2014 - 14/03/2017

Total amount: 200.000 €

7 Name of the project: IDENTIFYING SIGNALS INVOLVED IN THE ACQUISITION OF NORMAL AND LEUKEMIC STEMNESS CHARACTERISTICS

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

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: INSTITUT HOSPITAL DEL MAR DE INVESTIGACIÓN MEDICA

Type of entity: State agency

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Anna Bigas Salvans

Funding entity or bodies:

SAF2013-40922-R

Type of entity: State agency

City funding entity: Spain

Type of participation: Co-ordinator

Name of the programme: RETOS

Code according to the funding entity: SAF2013-40922-R

Start-End date: 01/08/2014 - 31/12/2016

Total amount: 370.000 €



8 Name of the project: NOTCH1 AND γ -CATENIN CROSSTALK IN T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA

Entity where project took place: FUNDACIÓ IMIM

City of entity: Barcelona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Anna Bigas Salvans

Nº of researchers: 5

Funding entity or bodies:

ASSOCIATION FOR INTERNATIONAL CANCER RESEARCH **Type of entity:** Foundation

City funding entity: Saint Andrews, United Kingdom

Start-End date: 01/05/2013 - 30/04/2016

Total amount: 240.000 €

9 Name of the project: MOLECULAR MECHANISMS INVOLVED IN THE DEVELOPMENT OF INFANT LEUKEMIAS

Entity where project took place: FUNDACIÓ IMIM

City of entity: Barcelona, Catalonia, Spain

Nº of researchers: 6

Funding entity or bodies:

Asociación Española Contra el Cáncer **Type of entity:** Fundación

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/09/2012 - 31/08/2015

Total amount: 150.000 €

10 Name of the project: HEMATOPOIETIC CELL FATE DETERMINATION IN THE MOUSE EMBRYO: STUDY TO GENERATE NORMAL AND LEUKEMIC STEM CELLS

Entity where project took place: FUNDACIÓ IMIM

City of entity: BARCELONA, Catalonia, Spain

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación **Type of entity:** SAF2010-15450

City funding entity: Madrid, Community of Madrid, Spain

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

Total amount: 310.000 €

11 Name of the project: TOWARDS THE GENERATION OF FUNCTIONAL HUMAN HEMATOPOIETIC STEM CELLS: LESSONS FROM THE MOUSE EMBRYO

Entity where project took place: FUNDACIÓ IMIM

City of entity: BARCELONA, Catalonia, Spain

Name principal investigator (PI, Co-PI....): ANNA BIGAS SALVANS

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación **Type of entity:** PLE2009-0111

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 2010 - 2013

Total amount: 374.000 €



- 12** **Name of the project:** STEM CELLS AND CANCER
Entity where project took place: FUNDACIÓ IMIM
City of entity: BARCELONA, Catalonia, Spain
Nº of researchers: 12
Start-End date: 2009 - 2013
Total amount: 41.600 €
- 13** **Name of the project:** CONTRIBUTION OF NOTCH SIGNALING TO TUMORIGENESIS AND CANCER
STEM CELL MAINTENANCE
Entity where project took place: FUNDACIÓ IMIM
City of entity: BARCELONA, Catalonia, Spain
Nº of researchers: 3
Funding entity or bodies:
Ministerio de Ciencia e Innovación. Investigación **Type of entity:** ACI2009-0918
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 2009 - 2012
Total amount: 100.000 €
- 14** **Name of the project:** PAPEL DE NOTCH Y WNT EN LA AUTORENOVACION DE LAS CELULAS MADRE
NORMALES Y LEUCEMICAS
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE
BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain
Nº of researchers: 4
Funding entity or bodies:
Ministerio de Ciencia e Innovación. Investigación **Type of entity:** SAF2007-60080
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 01/01/2008 - 31/12/2010
Total amount: 257.000 €
- 15** **Name of the project:** SUPORT ALS GRUPS DE RECERCA CONSOLIDATS
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE
BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain
Nº of researchers: 10
Funding entity or bodies:
DURSI **Type of entity:** Public Research Body
City funding entity: BARCELONA, Catalonia, Spain
Start-End date: 2007 - 2010
Total amount: 36.000 €
- 16** **Name of the project:** STUDY OF THE NUCLEAR IKK FUNCTIONS ASSOCIATED TO TUMORIGENESIS
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE
BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain
Nº of researchers: 8
Start-End date: 01/01/2006 - 31/12/2009
Total amount: 125.000 €



- 17 Name of the project:** ESTUDIO DE LAS FUNCIONES NUCLEARES DE IKKa EN CÁNCER COLORECTAL
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain
Nº of researchers: 5
Funding entity or bodies: MUTUA MADRILEÑA **Type of entity:** Foundation
City funding entity: MADRID, Community of Madrid, Spain
Start-End date: 2006 - 2009
Total amount: 46.000 €
- 18 Name of the project:** REGULATION OF HEMATOPOIETIC STEM CELLS IN THE EMBRYO
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain
Name principal investigator (PI, Co-PI...): ANNA BIGAS SALVANS; TARIQ ENVER; ELAINE DZIERZAK
Nº of researchers: 3
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** EUROPEAN SCIENCE FOUNDATION
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 2006 - 2009
Total amount: 174.000 €
- 19 Name of the project:** PAPEL DE LAS INTERACCIONES DE NOTCH CON LAS VIAS DE WNT Y NFkB EN LA HEMATOPOYESIS Y EN LA TRANSFORMACION NEOPLASICA
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain
Nº of researchers: 5
Start-End date: 2004 - 2007
Total amount: 207.000 €
- 20 Name of the project:** PAPEL DE LAS INTERACCIONES DE NOTCH CON LAS VIAS DE WNT Y NFkB EN LA HEMATOPOYESIS Y EN LA TRANSFORMACION NEOPLASICA
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain
Nº of researchers: 5
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** SAF2004-03198
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 2004 - 2007
Total amount: 207.000 €
- 21 Name of the project:** SEARCH OF NEW THERAPEUTICAL STRATEGIES FOR CHRONICAL AUTOIMMUNE ARTHRITIS BASED ON THE STEROIDS TRANSREPRESSION FUNCTION
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain



Name principal investigator (PI, Co-PI....): ANNA BIGAS SALVANS; GUY HAEGEMAN

Nº of researchers: 5

Funding entity or bodies:

FUNDACION MARATO TV3

Type of entity: Foundation

City funding entity: BARCELONA, Catalonia, Spain

Start-End date: 01/01/2004 - 31/12/2006

Total amount: 300.000 €

- 22 Name of the project:** PAPEL DE NOTCH Y RBP-JK EN LA HEMATOPOYESIS EMBRIONARIA QUE REGULAN LA INTERACCION ENTRE AMBAS MOLECULAS
Entity where project took place: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)
City of entity: HOSPITALET, Catalonia, Spain
Nº of researchers: 3
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación
Type of entity: SAF2001-1191
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 2001 - 2004
Total amount: 156.257 €
- 23 Name of the project:** ESTUDIO DE LA FUNCIÓN DE LOS DIFERENTES HOMÓLOGOS DE LA FAMILIA DE GENES NOTCH EN LA DIFERENCIACIÓN HEMATOPOYÉTICA
Entity where project took place: Institut de Recerca
Type of entity: Healthcare Institutions Oncológica
City of entity: BARCELONA, Catalonia, Spain
Nº of researchers: 2
Start-End date: 1998 - 2001
Total amount: 60.000 €
- 24 Name of the project:** HEMATOPOIETIC AND LEUKEMIC STEM CELL SPECIFICATION
Entity where project took place: FUNDACIÓ IMIM
City of entity: Barcelona, Catalonia, Spain
Nº of researchers: 2
Funding entity or bodies: Ministerio de Economía e Innovación
Type of entity: State agency
City funding entity: Spain
Total amount: 260.000 €
- 25 Name of the project:** HEMATOPOIETIC AND LEUKEMIC STEM CELL SPECIFICATION
Entity where project took place: FUNDACIÓ IMIM
City of entity: Barcelona, Catalonia, Spain
Nº of researchers: 2
Funding entity or bodies: Ministerio de Ciencia e Innovación
Type of entity: Government
City funding entity: Madrid, Community of Madrid, Spain
Total amount: 360.000 €



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

Name of the project: ANTIBODY ANTI-IK α (p45), clone 881H3 (MABF222)
Degree of contribution: Managing coordinator
Name principal investigator (PI, Co-PI...): Lluís Espinosa Blay; Anna Bigas Salvans
Nº of researchers: 2
Participating entity/entities: MILLIPORE IBERICA, S.A.
Start date: 01/07/2014

Results

Industrial and intellectual property

Title registered industrial property: THERAPEUTIC APPROACHES TO CANCER
Inventors/authors/obtainers: Lluís Espinosa Blay; Anna Bigas Salvans; Ramon Maria Pujol Vallverdu; Fernando Gallardo Hernández; Erika López Arribillaga; Joan Bertran Comulada
Entity holder of rights: FUNDACIÓ IMIM
Nº of application: EP16382449.3
Country of inscription: Spain
Date of register: 30/09/2016

Scientific and technological activities

Scientific production

H index: 37
Date of application: 10/02/2020

Publications, scientific and technical documents

- 1 Cristina Porcheri; Ohad Golan; Fernando J. Calero-Nieto; Roshana Thambyrajah; Cristina Ruiz-Herguido; Xiaonan Wang; Francesca Catto; Yolanda Guillén; Roshani Sinha; Jessica González; Sarah J. Kinston; Samanta A. Mariani; Antonio Maglito; Chris S. Vink; Elaine Dzierzak; Pierre Charbord; Bertie Göttgens; Lluís Espinosa; David Sprinzak; Anna Bigas. Notch ligand Dll4 impairs cell recruitment to aortic clusters and limits blood stem cell generation. *The EMBO journal*. 2020. ISSN 0261-4189
DOI: 10.15252/embj.2019104270
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 2 Colomer, Carlota; Margalef, Pol; Villanueva, Alberto; Vert, Anna; Pecharroman, Irene; Sole, Laura; Gonzalez-Farre, Monica; Alonso, Josune; Montagut, Clara; Martinez-Iniesta, Maria; Bertran, Joan; Borrás, Eva; Iglesias, Mar; Sabido, Eduard; Bigas, Anna; Boulton, Simon J.; Espinosa, Lluís. IKK α Kinase Regulates the DNA Damage Response and Drives Chemo-resistance in Cancer. *MOLECULAR CELL*. 75 - 4, pp. 669. 22/08/2019. ISSN 1097-2765
DOI: 10.1016/j.molcel.2019.05.036



Type of production: Scientific paper
Corresponding author: Yes
Source of citations: WOS

Format: Journal
Citations: 0

- 3** Bueno, Clara; Calero-Nieto, Fernando J.; Wang, Xiaonan; Valdes-Mas, Rafael; Gutierrez-Aguera, Francisco; Roca-Ho, Heleia; Ayllon, Veronica; Real, Pedro J.; Arambilet, David; Espinosa, Lluís; Torres-Ruiz, Raul; Agraz-Doblas, Antonio; Varela, Ignacio; de Boer, Jasper; Bigas, Anna; Gottgens, Bertie; Marschalek, Rolf; Menendez, Pablo. Enhanced hemato-endothelial specification during human embryonic differentiation through developmental cooperation between AF4-MLL and MLL-AF4 fusions. HAEMATOLOGICA. 104 - 6, pp. 1189 - 1201. 31/05/2019. ISSN 0390-6078

DOI: 10.3324/haematol.2018.202044

Type of production: Scientific paper
Corresponding author: No
Source of citations: WOS

Format: Journal
Citations: 0

- 4** Gallardo, Fernando; Bertran, Joan; Lopez-Arrillaga, Erika; Gonzalez, Jessica; Menendez, Silvia; Sanchez, Ignacio; Colomo, Luis; Iglesias, Mar; Garrido, Marta; Santamaria-Babi, Luis Francisco; Torres, Ferran; Pujol, Ramon M.; Bigas, Anna; Espinosa, Lluís. Novel phosphorylated TAK1 species with functional impact on NF-kappa B and beta-catenin signaling in human Cutaneous T-cell lymphoma. LEUKEMIA. 32 - 10, pp. 2211 - 2223. 10/2018. ISSN 0887-6924

DOI: 10.1038/s41375-018-0066-4

Type of production: Scientific paper
Corresponding author: Yes
Source of citations: WOS

Format: Journal
Citations: 3

- 5** Erika Lopez Arrillaga; Veronica Rodilla; Carlota Colomer; Anna Vert; Amy Shelton; Jason H. Cheng; Bing Yan; Abel Gonzalez Perez; Melissa R. Junttila; Mar Iglesias; Ferran Torres; Joan Albanell; Alberto Villanueva; Anna Bigas; Christian W. Siebel; Lluís Espinosa. Manic Fringe deficiency imposes Jagged1 addiction to intestinal tumor cells. NATURE COMMUNICATIONS. 9, 31/07/2018. ISSN 2041-1723

DOI: 10.1038/s41467-018-05385-0

Type of production: Scientific paper
Corresponding author: Yes

Format: Journal

- 6** Carlota Colomer; Pol Margalef; Jessica Gonzalez; Anna Vert; Anna Bigas; Lluís Espinosa. IKK alpha is required in the intestinal epithelial cells for tumour stemness. BRITISH JOURNAL OF CANCER. 118 - 6, pp. 839 - 846. 20/03/2018. ISSN 0007-0920

Type of production: Scientific paper
Corresponding author: No

Format: Journal

- 7** Fukushima, Hidefumi; Shimizu, Kouhei; Watahiki, Asami; Hoshikawa, Seira; Kosho, Tomoki; Oba, Daiju; Sakano, Seiji; Arakaki, Makiko; Yamada, Aya; Nagashima, Katsuyuki; Okabe, Koji; Fukumoto, Satoshi; Jimi, Eijiro; Bigas, Anna; Nakayama, Keiichi I.; Nakayama, Keiko; Aoki, Yoko; Wei, Wenyi; Inuzuka, Hiroyuki. NOTCH2 Hajdu-Cheney Mutations Escape SCFFBW7-Dependent Proteolysis to Promote Osteoporosis. MOLECULAR CELL. 68 - 4, pp. 645 - +. 16/11/2017. ISSN 1097-2765

Type of production: Scientific paper
Corresponding author: No
Source of citations: WOS

Format: Journal
Citations: 0



- 8** Robles-Valero, Javier; Francisco Lorenzo-Martin, L.; Menacho-Marquez, Mauricio; Fernandez-Pisonero, Isabel; Abad, Antonio; Camos, Mireia; Toribio, Maria L.; Espinosa, Lluís; Bigas, Anna; Bustelo, Xose R.A Paradoxical Tumor-Suppressor Role for the Rac1 Exchange Factor Vav1 in T Cell Acute Lymphoblastic Leukemia. *CANCER CELL*. 32 - 5, pp. 608 - +. 13/11/2017. ISSN 1535-6108
DOI: 10.3390/biomedicines5020026
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Source of citations: WOS **Citations:** 0
- 9** Perearnau, Anna; Orlando, Serena; Islam, Abul B. M. M. K.; Gallastegui, Eurne; Martinez, Jonatan; Jordan, Albert; Bigas, Anna; Aligue, Rosa; Jesus Pujol, Maria; Bachs, Oriol. p27(Kip1), PCAF and PAX5 cooperate in the transcriptional regulation of specific target genes. *NUCLEIC ACIDS RESEARCH*. 45 - 9, pp. 5086 - 5099. 19/05/2017. ISSN 0305-1048
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Source of citations: WOS **Citations:** 0
- 10** Alessandra Giorgetti; Julio Castaño; Clara Bueno; Rafael Díaz de la Guardia; Mario Delgado; Anna Bigas; Lluís Espinosa; Pablo Menendez. Proinflammatory signals are insufficient to drive definitive hematopoietic specification of human HSCs in vitro. *Experimental Hematology*. Elsevier, 28/09/2016.
DOI: 10.1016/j.exphem.2016.09.007
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
Impact source: ISI **Category:** HEMATOLOGY
Impact index in year of publication: 2,3 **Journal in the top 25%:** No
- 11** Eva García Alegría; M Carmen Lafita Navarro; Rocío Aguado; Lucia García Gutiérrez; Kyle Sarnataro; Cristina Ruiz Herguido; Francisco Martín; Anna Bigas; Matilde Canelles; Javier León. NUMB inactivation confers resistance to imatinib in chronic myeloid leukemia cells. *Cancer letters*. 375 - 1, pp. 92 - 101. (Ireland): 28/05/2016. ISSN 1872-7980
DOI: 10.1016/j.canlet.2016.02.037
PMID: 26944313
Type of production: Scientific paper
Position of signature: 8
Total no. authors: 10 **Corresponding author:** No
Impact source: ISI **Category:** ONCOLOGY
Impact index in year of publication: 5,621 **Journal in the top 25%:** Yes
Position of publication: 23 **No. of journals in the cat.:** 211
- 12** Christos Gekas; Teresa D'Altri; Jessica González; Rosa Aligué; Lluís Espinosa; Anna Bigas. β -Catenin is required for T cell leukemia initiation and MYC transcription downstream of Notch1. *Leukemia*. 30 - 10, pp. 2002 - 2010. Nature Publishing Group, 29/04/2016. ISSN 0887-6924
DOI: 10.1038/leu.2016.106
PMID: 27125305
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: ISI **Category:** HEMATOLOGY
Impact index in year of publication: 10.431 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 23



- 13** Alejandra Sanjuan Pla; Damia Romero Moya; Cristina Prieto; Clara Bueno; Anna Bigas; Pablo Menendez. Intra-Bone Marrow Transplantation Confers Superior Multilineage Engraftment of Murine Aorta-Gonad Mesonephros Cells Over Intravenous Transplantation. *Stem cells and development*. 25 - 3, pp. 259 - 324. 01/02/2016. ISSN 1557-8534
DOI: 10.1089/scd.2015.0309
PMID: 26603126
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 6
Impact source: ISI
Impact index in year of publication: 3,727
Position of publication: 18
Impact source: ISI
Impact index in year of publication: 3,727
Position of publication: 29
Impact source: ISI
Impact index in year of publication: 3,727
Position of publication: 6
Impact source: ISI
Impact index in year of publication: 3,727
Position of publication: 8
Corresponding author: No
Category: HEMATOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 68
Category: MEDICINE, RESEARCH & EXPERIMENTAL
Journal in the top 25%: Yes
No. of journals in the cat.: 123
Category: TRANSPLANTATION
Journal in the top 25%: Yes
No. of journals in the cat.: 25
Category: CELL & TISSUE ENGINEERING
Journal in the top 25%: No
No. of journals in the cat.: 21
- 14** Leonor Gama Norton; Eva Ferrando; Cristina Ruiz Herguido; Zenhy Liu; Jordi Guiu; Abul B M M K Islam; Sung-Uk Lee; Minhong Yan; Cynthia J Guidos; Nuria López Bigas; Takahiro Maeda; Lluís Espinosa; Raphael Kopan; Anna Bigas. Notch signal strength controls cell fate in the haemogenic endothelium. *Nature communications*. 6, pp. 8510. 15/10/2015. ISSN 2041-1723
DOI: 10.1038/ncomms9510
PMID: 26465397
Type of production: Scientific paper
Position of signature: 14
Total no. authors: 14
Impact source: ISI
Impact index in year of publication: 11,47
Position of publication: 3
Format: Journal
Corresponding author: Yes
Category: MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 56
- 15** Fernando Gallardo; Juan Sandoval; Angel Díaz Lagares; Ricard Garcia; Teresa D'Altri; Jessica González; Victor Alegre; Octavio Servitje; Ana-Belén Crujeiras; Ólafur-Andri Stefánsson; Blanca Espinet; Maria-Inmaculada Hernández; Beatriz Bellosillo; Manel Esteller; Ramon-Maria Pujol; Anna Bigas; Lluís Espinosa. Notch1 Pathway Activation Results from the Epigenetic Abrogation of Notch-Related MicroRNAs in Mycosis Fungoides. *The Journal of investigative dermatology*. 135 - 12, pp. 3144 - 3152. 24/08/2015. ISSN 1523-1747
DOI: 10.1038/jid.2015.328
PMID: 26302069
Type of production: Scientific paper
Position of signature: 16
Total no. authors: 17
Impact source: ISI
Impact index in year of publication: 7,216
Position of publication: 1
Format: Journal
Corresponding author: Yes
Category: DERMATOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 62



- 16** Helena Serra; Iñigo Chivite; Ana Angulo Urarte; Adriana Soler; James D Sutherland; Amaia Arruabarrena Aristorena; Anan Ragab; Radiance Lim; Marcos Malumbres; Marcus Fruttiger; Michael Potente; Manuel Serrano; Àngels Fabra; Francesc Viñals; Oriol Casanovas; Pier Paolo Pandolfi; Anna Bigas; Arkaitz Carracedo; Holger Gerhardt; Mariona Graupera. PTEN mediates Notch-dependent stalk cell arrest in angiogenesis. *Nature communications*. 6, pp. 7935. 31/07/2015. ISSN 2041-1723
DOI: 10.1038/ncomms8935
PMID: 26228240
Type of production: Scientific paper
Position of signature: 17
Total no. authors: 20
Impact source: ISI
Impact index in year of publication: 11,47
Position of publication: 3
Format: Journal
Corresponding author: No
Category: MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 56
- 17** Agusti Toll; Pol Margalef; Emili Masferrer; Carla Ferrándiz Pulido; Javier Gimeno; Ramon Maria Pujol; Anna Bigas; Lluís Espinosa. Active nuclear IKK correlates with metastatic risk in cutaneous squamous cell carcinoma. *Archives of dermatological research*. 307 - 8, pp. 721 - 729. 21/06/2015. ISSN 1432-069X
DOI: 10.1007/s00403-015-1579-6
PMID: 26094020
Type of production: Scientific paper
Position of signature: 7
Total no. authors: 8
Impact source: ISI
Impact index in year of publication: 1,902
Position of publication: 23
Corresponding author: Yes
Category: DERMATOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 62
- 18** Pol Margalef; Carlota Colomer; Alberto Villanueva; Clara Montagut; Mar Iglesias; Beatriz Bellosillo; Ramón Salazar; María Martínez Iniesta; Anna Bigas; Lluís Espinosa. BRAF-induced tumorigenesis is IKK γ -dependent but NF- κ B-independent. *Science signaling*. 8 - 373, pp. ra38. 21/04/2015. ISSN 1937-9145
DOI: 10.1126/scisignal.2005886
PMID: 25900832
Type of production: Scientific paper
Position of signature: 9
Total no. authors: 10
Impact source: ISI
Impact index in year of publication: 6,279
Position of publication: 35
Corresponding author: No
Category: BIOCHEMISTRY & MOLECULAR BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 289
Impact source: ISI
Category: CELL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 184
- 19** Fernando Gallardo; Andreina Padrón; Ricard Garcia Carbonell; Cristina Rius; Abel González Perez; Montserrat Arumí Uria; Mar Iglesias; Lara Nonell; Beatriz Bellosillo; Sonia Segura; Ramon Maria Pujol; Nuria Lopez Bigas; Joan Bertran; Anna Bigas; Lluís Espinosa. Cytoplasmic accumulation of NCoR in malignant melanoma: consequences of altered gene repression and prognostic significance. *Oncotarget*. 6 - 11, pp. 9284 - 9378. 20/04/2015. ISSN 1949-2553
PMID: 25823659
Type of production: Scientific paper

Position of signature: 14

Total no. authors: 15

Impact source: ISI

Impact index in year of publication: 6,359

Position of publication: 20

Impact source: ISI

Impact index in year of publication: 6,359

Position of publication: 34

Corresponding author: Yes

Category: ONCOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 211

Category: CELL BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 184

- 20** Alberto Martin; Fernando Salvador; Gema Moreno Bueno; Alfredo Floristán; Cristina Ruiz Herguido; Eva P Cuevas; Saleta Morales; Vanesa Santos; Katalin Csiszar; Pierre Dubus; Jody J Haigh; Anna Bigas; Francisco Portillo; Amparo Cano. Lysyl oxidase-like 2 represses Notch1 expression in the skin to promote squamous cell carcinoma progression. *The EMBO journal*. 34 - 8, pp. 1090 - 1199. 15/04/2015. ISSN 1460-2075

DOI: 10.15252/embj.201489975

PMID: 25759215

Type of production: Scientific paper

Position of signature: 12

Total no. authors: 14

Impact source: ISI

Impact index in year of publication: 10,434

Position of publication: 11

Impact source: ISI

Impact index in year of publication: 10,434

Position of publication: 17

Corresponding author: No

Category: BIOCHEMISTRY & MOLECULAR BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 289

Category: CELL BIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 184

- 21** V Ayllón; C Bueno; V Ramos Mejía; O Navarro Montero; C Prieto; P J Real; T Romero; M J García León; M L Toribio; A Bigas; P Menendez. The Notch ligand DLL4 specifically marks human hematoendothelial progenitors and regulates their hematopoietic fate. *Leukemia*. 17/03/2015. ISSN 1476-5551

DOI: 10.1038/leu.2015.74

PMID: 25778099

Type of production: Scientific paper

Position of signature: 10

Total no. authors: 11

Impact source: ISI

Impact index in year of publication: 10,431

Position of publication: 3

Impact source: ISI

Impact index in year of publication: 10,431

Position of publication: 9

Corresponding author: No

Category: HEMATOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 68

Category: ONCOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 211

- 22** Il Ho Jang; Yi-Fen Lu; Long Zhao; Pamela L Wenzel; Tsutomu Kume; Sumon M Datta; Natasha Arora; Jordi Guiu; Mounia Lagha; Peter G Kim; Eun Kyoung Do; Jae Ho Kim; Thorsten M Schlaeger; Leonard I Zon; Anna Bigas; Caroline E Burns; George Q Daley. Notch1 acts via Foxc2 to promote definitive hematopoiesis via effects on hemogenic endothelium. *Blood*. 125 - 9, pp. 1418 - 1426. 13/01/2015. ISSN 1528-0020

DOI: 10.1182/blood-2014-04-568170

PMID: 25587036

Type of production: Scientific paper

Position of signature: 15

Total no. authors: 17

Impact source: ISI

Impact index in year of publication: 10,452

Position of publication: 2

Corresponding author: No

Category: HEMATOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 68

- 23** Erika López Arribillaga; Verónica Rodilla; Luca Pellegrinet; Jordi Guiu; Mar Iglesias; Angel Carlos Roman; Susana Gutarra; Susana González; Pura Muñoz Cánoves; Pedro Fernández Salguero; Freddy Radtke; Anna Bigas; Lluís Espinosa. Bmi1 regulates murine intestinal stem cell proliferation and self-renewal downstream of Notch. *Development* (Cambridge, England). 142 - 1, pp. 41 - 91. 01/01/2015. ISSN 1477-9129

DOI: 10.1242/dev.107714

PMID: 25480918

Type of production: Scientific paper

Position of signature: 12

Total no. authors: 13

Corresponding author: No

- 24** Marta Forn; Anna Díez Villanueva; Anna Merlos Suárez; Mar Muñoz; Sergi Lois; Elvira Carriò; Mireia Jordà; Anna Bigas; Eduard Batlle; Miguel A Peinado. Overlapping DNA methylation dynamics in mouse intestinal cell differentiation and early stages of malignant progression. *PLoS one*. 10 - 5, pp. e0123263. 2015. ISSN 1932-6203

DOI: 10.1371/journal.pone.0123263

PMID: 25933092

Type of production: Scientific paper

Position of signature: 8

Total no. authors: 10

Corresponding author: No

Impact source: ISI

Category: MULTIDISCIPLINARY SCIENCES

Impact index in year of publication: 3,234

Journal in the top 25%: Yes

Position of publication: 8

No. of journals in the cat.: 56

- 25** Jordi Guiu; Dylan J M Bergen; Emma De Pater; Abul B M M K Islam; Verónica Ayllón; Leonor Gama Norton; Cristina Ruiz Herguido; Jessica González; Nuria López Bigas; Pablo Menendez; Elaine Dzierzak; Lluís Espinosa; Anna Bigas. Identification of Cdca7 as a novel Notch transcriptional target involved in hematopoietic stem cell emergence. *The Journal of experimental medicine*. 211 - 12, pp. 2411 - 2434. 17/11/2014. ISSN 1540-9538

DOI: 10.1084/jem.20131857

PMID: 25385755

Type of production: Scientific paper

Position of signature: 13

Total no. authors: 13

Corresponding author: Yes

Impact source: ISI

Category: MEDICINE, RESEARCH & EXPERIMENTAL

Impact index in year of publication: 12,515

Journal in the top 25%: Yes

Position of publication: 5

No. of journals in the cat.: 123

Impact source: ISI

Category: IMMUNOLOGY

Impact index in year of publication: 12,515

Journal in the top 25%: Yes

Position of publication: 5

No. of journals in the cat.: 148

- 26** Dawson M Gerhardt; Kostandin V Pajcini; Teresa D'altri; Lili Tu; Rajan Jain; Lanwei Xu; Michael J Chen; Stacey Rentschler; Olga Shestova; Gerald B Wertheim; John W Tobias; Michael Kluk; Antony W Wood; Jon C Aster; Phyllis A Gimotty; Jonathan A Epstein; Nancy Speck; Anna Bigas; Warren S Pear. The Notch1 transcriptional activation domain is required for development and reveals a novel role for Notch1 signaling in fetal hematopoietic stem cells. *Genes & development*. 28 - 6, pp. 576 - 669. 15/03/2014. ISSN 1549-5477

DOI: 10.1038/onc.2014.188

PMID: 24975576



Type of production: Scientific paper
Position of signature: 18
Total no. authors: 19
Impact source: ISI
Impact index in year of publication: 8,459
Position of publication: 12

Impact source: ISI
Impact index in year of publication: 8,459
Position of publication: 13

Impact source: ISI
Impact index in year of publication: 8,459
Position of publication: 23

Impact source: ISI
Impact index in year of publication: 8,459
Position of publication: 26

Format: Journal

Corresponding author: No
Category: GENETICS & HEREDITY
Journal in the top 25%: Yes
No. of journals in the cat.: 167

Category: ONCOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 211

Category: BIOCHEMISTRY & MOLECULAR BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 289

Category: CELL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 184

- 27** Alba Dalmases; Irene González; Silvia Menendez; Oriol Arpí; Josep Maria Corominas; Sonia Servitja; Ignasi Tusquets; Cristina Chamizo; Raúl Rincón; Lluís Espinosa; Anna Bigas; Pilar Eroles; Jessica Furriol; Anna Lluch; Ana Rovira; Joan Albanell; Federico Rojo. Deficiency in p53 is required for doxorubicin induced transcriptional activation of NF- κ B target genes in human breast cancer. *Oncotarget*. 5 - 1, pp. 196 - 406. 15/01/2014. ISSN 1949-2553

PMID: 24344116

Type of production: Scientific paper
Position of signature: 11
Total no. authors: 17
Impact source: ISI
Impact index in year of publication: 6,359
Position of publication: 20

Impact source: ISI
Impact index in year of publication: 6,359
Position of publication: 34

Corresponding author: No
Category: ONCOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 211

Category: CELL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 184

- 28** Lide Alaña; Marta Sesé; Verónica Cánovas; Yolanda Punyal; Yolanda Fernández; Ibane Abasolo; Inés de Torres; Cristina Ruiz; Lluís Espinosa; Anna Bigas; Santiago Ramón Y Cajal; Pedro L Fernández; Florenci Serras; Montserrat Corominas; Timothy M Thomson; Rosanna Paciucci. Prostate tumor Overexpressed-1 (PTOV1) down-regulates HES1 and HEY1 notch targets genes and promotes prostate cancer progression. *Molecular cancer*. 13 - 1, pp. 74. 2014. ISSN 1476-4598

DOI: 10.1186/1476-4598-13-74

PMID: 24684754

Type of production: Scientific paper
Position of signature: 10
Total no. authors: 16
Impact source: ISI
Impact index in year of publication: 4,257
Position of publication: 48

Impact source: ISI
Impact index in year of publication: 4,257

Corresponding author: No
Category: ONCOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 211

Category: BIOCHEMISTRY & MOLECULAR BIOLOGY
Journal in the top 25%: No

**Position of publication:** 73**No. of journals in the cat.:** 289

- 29** Meimei Shan; Maurizio Gentile; John R Yeiser; A Cooper Walland; Victor U Bornstein; Kang Chen; Bing He; Linda Cassis; Anna Bigas; Montserrat Cols; Laura Comerma; Bihui Huang; J Magarian Blander; Huabao Xiong; Lloyd Mayer; Cecilia Berin; Leonard H Augenlicht; Anna Velcich; Andrea Cerutti. Mucus enhances gut homeostasis and oral tolerance by delivering immunoregulatory signals. *Science* (New York, N.Y.). 342 - 6157, pp. 447 - 500. 25/10/2013. ISSN 1095-9203
DOI: 10.1126/science.1237910
PMID: 24072822
Type of production: Scientific paper
Position of signature: 9
Total no. authors: 19
Impact source: ISI
Impact index in year of publication: 31,477
Position of publication: 2
- Format:** Journal
Corresponding author: No
Category: MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 55
- 30** Marta Forn; Mar Muñoz; Daniele V F Tauriello; Anna Merlos Suárez; Verónica Rodilla; Anna Bigas; Eduard Batlle; Mireia Jordà; Miguel A Peinado. Long range epigenetic silencing is a trans-species mechanism that results in cancer specific deregulation by overriding the chromatin domains of normal cells. *Molecular oncology*. 7 - 6, pp. 1129 - 1141. 30/08/2013. ISSN 1878-0261
DOI: 10.1016/j.molonc.2013.08.008
PMID: 24035705
Type of production: Scientific paper
Position of signature: 6
Total no. authors: 9
Impact source: ISI
Impact index in year of publication: 5,935
Position of publication: 24
- Format:** Journal
Corresponding author: No
Category: ONCOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 202
- 31** María Carmen Mulero; Dolors Ferres Marco; Abul Islam; Pol Margalef; Matteo Pecoraro; Agustí Toll; Nils Drechsel; Cristina Charneco; Shelly Davis; Nicolás Bellora; Fernando Gallardo; Erika López Arribillaga; Elena Asensio Juan; Verónica Rodilla; Jessica González; Mar Iglesias; Vincent Shih; M Mar Albà; Luciano Di Croce; Alexander Hoffmann; Shigeki Miyamoto; Jordi Villà Freixa; Nuria López Bigas; William M Keyes; María Domínguez; Anna Bigas; Lluís Espinosa. Chromatin-bound I?B? regulates a subset of polycomb target genes in differentiation and cancer. *Cancer cell*. 24 - 2, pp. 151 - 217. 12/08/2013. ISSN 1878-3686
DOI: 10.1016/j.ccr.2013.06.003
PMID: 23850221
Type of production: Scientific paper
Position of signature: 26
Total no. authors: 27
Impact source: ISI
Impact index in year of publication: 23,893
Position of publication: 4
- Format:** Journal
Corresponding author: No
Category: CELL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 185
- Impact source:** ISI
Impact index in year of publication: 23,893
Position of publication: 4
- Category:** ONCOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 202



- 32** Rachael Nimmo; Aldo Ciaú Uitz; Cristina Ruiz Herguido; Shamit Soneji; Anna Bigas; Roger Patient; Tariq Enver. MiR-142-3p controls the specification of definitive hemangioblasts during ontogeny. *Developmental cell*. 26 - 3, pp. 237 - 286. 12/08/2013. ISSN 1878-1551
DOI: 10.1016/j.devcel.2013.06.023
PMID: 23911199
Type of production: Scientific paper
Position of signature: 5
Total no. authors: 7
Impact source: ISI
Impact index in year of publication: 10,366
Position of publication: 17
Impact source: ISI
Impact index in year of publication: 10,366
Position of publication: 3
Format: Journal
Corresponding author: No
Category: CELL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 185
Category: DEVELOPMENTAL BIOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 41
- 33** Jordi Farrés; Juan Martín Caballero; Carlos Martínez; Juan J Lozano; Laura Llacuna; Coral Ampurdanés; Cristina Ruiz Herguido; Françoise Dantzer; Valérie Schreiber; Andreas Villunger; Anna Bigas; José Yélamos. Parp-2 is required to maintain hematopoiesis following sublethal γ -irradiation in mice. *Blood*. 122 - 1, pp. 44 - 98. 04/07/2013. ISSN 1528-0020
DOI: 10.1182/blood-2012-12-472845
PMID: 23678004
Type of production: Scientific paper
Position of signature: 11
Total no. authors: 12
Impact source: ISI
Impact index in year of publication: 9,775
Position of publication: 2
Format: Journal
Corresponding author: No
Category: HEMATOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 68
- 34** Jordi Guiu; Ritsuko Shimizu; Teresa D'Altri; Stuart T Fraser; Jun Hatakeyama; Emery H Bresnick; Ryoichiro Kageyama; Elaine Dzierzak; Masayuki Yamamoto; Lluís Espinosa; Anna Bigas. Hes repressors are essential regulators of hematopoietic stem cell development downstream of Notch signaling. *The Journal of experimental medicine*. 210 - 1, pp. 71 - 155. 14/01/2013. ISSN 1540-9538
DOI: 10.1084/jem.20120993
PMID: 23267012
Type of production: Scientific paper
Position of signature: 11
Total no. authors: 11
Impact source: ISI
Impact index in year of publication: 13,912
Position of publication: 4
Impact source: ISI
Impact index in year of publication: 13,912
Position of publication: 5
Format: Journal
Corresponding author: Yes
Category: MEDICINE, RESEARCH & EXPERIMENTAL
Journal in the top 25%: Yes
No. of journals in the cat.: 122
Category: IMMUNOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 144
- 35** Pol Margalef; Vanessa Fernández Majada; Alberto Villanueva; Ricard Garcia Carbonell; Mar Iglesias; Laura López; María Martínez Iniesta; Jordi Villà Freixa; Mari Carmen Mulero; Montserrat Andreu; Ferran Torres; Marty W Mayo; Anna Bigas; Lluís Espinosa. A truncated form of IKK γ is responsible for specific nuclear IKK activity in colorectal cancer. *Cell reports*. 2 - 4, pp. 840 - 894. 25/10/2012. ISSN 2211-1247
DOI: 10.1016/j.celrep.2012.08.028

**PMID:** 23041317**Type of production:** Scientific paper**Position of signature:** 13**Total no. authors:** 14**Impact source:** ISI**Impact index in year of publication:****Position of publication:** 183**Format:** Journal**Corresponding author:** No**Category:** CELL BIOLOGY**Journal in the top 25%:** No**No. of journals in the cat.:** 184

36 R Pippa; L Espinosa; G Gundem; R García Escudero; A Dominguez; S Orlando; E Gallastegui; C Saiz; A Besson; M J Pujol; N López Bigas; J M Paramio; A Bigas; O Bachs. p27Kip1 represses transcription by direct interaction with p130/E2F4 at the promoters of target genes. *Oncogene*. 31 - 38, pp. 4207 - 4227. 20/09/2012. ISSN 1476-5594

DOI: 10.1038/onc.2011.582**PMID:** 22179826**Type of production:** Scientific paper**Position of signature:** 13**Total no. authors:** 14**Impact source:** ISI**Impact index in year of publication:** 7,357**Position of publication:** 19**Format:** Journal**Corresponding author:** Yes**Category:** ONCOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 196**Impact source:** ISI**Impact index in year of publication:** 7,357**Position of publication:** 30**Category:** CELL BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 184**Impact source:** ISI**Impact index in year of publication:** 7,357**Position of publication:** 31**Category:** BIOCHEMISTRY & MOLECULAR BIOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 290

37 Cristina Ruiz Herguido; Jordi Guiu; Teresa D'Altri; Julia Inglés Esteve; Elaine Dzierzak; Lluís Espinosa; Anna Bigas. Hematopoietic stem cell development requires transient Wnt/ β -catenin activity. *The Journal of experimental medicine*. 209 - 8, pp. 1457 - 1525. 30/07/2012. ISSN 1540-9538

DOI: 10.1084/jem.20120225**PMID:** 22802352**Type of production:** Scientific paper**Position of signature:** 7**Total no. authors:** 7**Impact source:** ISI**Impact index in year of publication:** 13,214**Position of publication:** 3**Format:** Journal**Corresponding author:** Yes**Category:** MEDICINE, RESEARCH & EXPERIMENTAL**Journal in the top 25%:** Yes**No. of journals in the cat.:** 121**Impact source:** ISI**Impact index in year of publication:** 13,214**Position of publication:** 5**Category:** IMMUNOLOGY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 135

38 Julia Inglés Esteve; Mònica Morales; Alba Dalmasas; Ricard Garcia Carbonell; Alba Jené Sanz; Núria López Bigas; Mar Iglesias; Cristina Ruiz Herguido; Ana Rovira; Federico Rojo; Joan Albanell; Roger R Gomis; Anna Bigas; Lluís Espinosa. Inhibition of specific NF- κ B activity contributes to the tumor suppressor function of 14-3-3 γ in breast cancer. *PloS one*. 7 - 5, pp. e38347. 2012. ISSN 1932-6203

DOI: 10.1371/journal.pone.0038347**PMID:** 22675457

Type of production: Scientific paper
Position of signature: 13
Total no. authors: 14
Impact source: ISI
Impact index in year of publication: 3,73
Position of publication: 7

Format: Journal

Corresponding author: Yes
Category: MULTIDISCIPLINARY SCIENCES
Journal in the top 25%: Yes
No. of journals in the cat.: 56

- 39** Joana Neves; Masanori Uchikawa; Anna Bigas; Fernando Giraldez. The prosensory function of Sox2 in the chicken inner ear relies on the direct regulation of Atoh1. *PloS one*. 7 - 1, pp. e30871. 2012. ISSN 1932-6203
DOI: 10.1371/journal.pone.0030871

PMID: 22292066

Type of production: Scientific paper
Position of signature: 3
Total no. authors: 4
Impact source: ISI
Impact index in year of publication: 3,73
Position of publication: 7

Format: Journal

Corresponding author: No
Category: MULTIDISCIPLINARY SCIENCES
No. of journals in the cat.: 56

- 40** Teresa D'Altri; Jessica Gonzalez; Iannis Aifantis; Lluís Espinosa; Anna Bigas. Hes1 expression and CYLD repression are essential events downstream of Notch1 in T-cell leukemia. *Cell cycle (Georgetown, Tex.)*. 10 - 7, pp. 1031 - 1037. 01/04/2011. ISSN 1551-4005

PMID: 21389783

Type of production: Scientific paper
Position of signature: 5
Total no. authors: 5

Format: Journal

Corresponding author: Yes

- 41** Oliver Ehm; Christian Göritz; Marcela Covic; Iris Schäffner; Tobias J Schwarz; Esra Karaca; Bettina Kempkes; Elisabeth Kremmer; Frank W Pfrieder; Lluís Espinosa; Anna Bigas; Claudio Giachino; Verdon Taylor; Jonas Frisé; D Chichung Lie. RBPJ κ -dependent signaling is essential for long-term maintenance of neural stem cells in the adult hippocampus. *The Journal of neuroscience*. 30 - 41, pp. 13794 - 14601. 13/10/2010. ISSN 1529-2401

Type of production: Scientific paper
Corresponding author: No

Format: Journal

- 42** Lluís Espinosa; Severine Cathelin; Teresa D'Altri; Thomas Trimarchi; Alexander Statnikov; Jordi Guiu; Veronica Rodilla; Julia Inglés Esteve; Josep Nomdedeu; Beatriz Bellosillo; Carles Besses; Omar Abdel Wahab; Nicole Kucine; Shao-Cong Sun; Guangchan Song; Charles C Mullighan; Ross L Levine; Klaus Rajewsky; Iannis Aifantis; Anna Bigas. The Notch/Hes1 pathway sustains NF- κ B activation through CYLD repression in T cell leukemia. *Cancer cell*. 18 - 3, pp. 268 - 349. 14/09/2010. ISSN 1878-3686

Type of production: Scientific paper
Corresponding author: Yes

Format: Journal

- 43** Verónica Rodilla; Alberto Villanueva; Antonia Obrador Hevia; Alex Robert Moreno; Vanessa Fernández Majada; Andrea Grilli; Nuria López Bigas; Nicolás Bellora; M Mar Albà; Ferran Torres; Mireia Duñach; Xavier Sanjuan; Sara Gonzalez; Thomas Gridley; Gabriel Capella; Anna Bigas; Lluís Espinosa. Jagged1 is the pathological link between Wnt and Notch pathways in colorectal cancer. *Proceedings of the National Academy of Sciences of the United States of America*. 106 - 15, pp. 6315 - 6335. 14/04/2009. ISSN 1091-6490

PMID: 19325125

Type of production: Scientific paper
Corresponding author: Yes

Format: Journal



- 44** Hidefumi Fukushima; Akihiro Nakao; Fujio Okamoto; Masashi Shin; Hiroshi Kajiya; Seiji Sakano; Anna Bigas; Eijiro Jimi; Koji Okabe. The association of Notch2 and NF-kappaB accelerates RANKL-induced osteoclastogenesis. *Molecular and cellular biology*. 28 - 20, pp. 6402 - 6414. 10/2008. ISSN 1098-5549
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 45** Alex Robert-Moreno; Jordi Guiu; Cristina Ruiz-Herguido; M.Eugenia López; Julia Inglés-Esteve; Lluís Riera; Alex Tipping; Tariq Enver; Elaine Dzierzak; Tom Gridley; LLuis Espinosa; Anna Bigas. Impaired embryonic haematopoiesis yet normal arterial development in the absence of the Notch ligand Jagged1. *The EMBO journal*. 27, pp. 1886 - 1895. 2008.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 46** Vanessa Fernández Majada; Jaume Pujadas; Felip Vilardell; Gabriel Capella; Marty W Mayo; Anna Bigas; Lluís Espinosa. Aberrant cytoplasmic localization of N-CoR in colorectal tumors. *Cell cycle (Georgetown, Tex.)*. 6 - 14, pp. 1748 - 1800. 15/07/2007. ISSN 1551-4005
Type of production: Scientific paper **Format:** Journal
- 47** A Robert Moreno; L Espinosa; M J Sanchez; J L de la Pompa; A Bigas. The notch pathway positively regulates programmed cell death during erythroid differentiation. *Leukemia*. 21 - 7, pp. 1496 - 1999. 07/2007. ISSN 0887-6924
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 48** V Fernández Majada; C Aguilera; A Villanueva; F Vilardell; A Robert Moreno; A Aytés; F X Real; G Capella; M W Mayo; L Espinosa; A Bigas. Nuclear IKK activity leads to dysregulated notch-dependent gene expression in colorectal cancer. *Proceedings of the National Academy of Sciences of the United States of America*. 104 - 1, pp. 276 - 357. 02/01/2007. ISSN 0027-8424
Type of production: Scientific paper **Format:** Journal
- 49** Cristina Aguilera; Vanessa Fernández Majada; Julia Inglés Esteve; Verónica Rodilla; Anna Bigas; Lluís Espinosa. Efficient nuclear export of p65-IkappaBalpha complexes requires 14-3-3 proteins. *Journal of cell science*. 119 - Pt 17, pp. 3695 - 4399. 01/09/2006. ISSN 0021-9533
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 50** Alex Robert Moreno; Lluís Espinosa; José Luis de la Pompa; Anna Bigas. RBPjkappa-dependent Notch function regulates Gata2 and is essential for the formation of intra-embryonic hematopoietic cells. *Development (Cambridge, England)*. 132 - 5, pp. 1117 - 1143. 03/2005. ISSN 0950-1991
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 51** Cristina Aguilera; Ruben Hoya Arias; Guy Haegeman; Lluís Espinosa; Anna Bigas. Recruitment of IkappaBalpha to the hes1 promoter is associated with transcriptional repression. *Proceedings of the National Academy of Sciences of the United States of America*. 101 - 47, pp. 16537 - 16579. 23/11/2004. ISSN 0027-8424
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 52** Lluís Espinosa; Julia Inglés Esteve; Cristina Aguilera; Anna Bigas. Phosphorylation by glycogen synthase kinase-3 beta down-regulates Notch activity, a link for Notch and Wnt pathways. *The Journal of biological chemistry*. 278 - 34, pp. 32227 - 32262. 22/08/2003. ISSN 0021-9258
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes



- 53** Lluís Espinosa; Julia Inglés Esteve; Alex Robert Moreno; Anna Bigas. IkappaBalpha and p65 regulate the cytoplasmic shuttling of nuclear corepressors: cross-talk between Notch and NFkappaB pathways. *Molecular biology of the cell*. 14 - 2, pp. 491 - 993. 02/2003. ISSN 1059-1524
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 54** Lluís Espinosa; Sara Santos; Julia Inglés Esteve; Pura Muñoz Canoves; Anna Bigas. p65-NFkappaB synergizes with Notch to activate transcription by triggering cytoplasmic translocation of the nuclear receptor corepressor N-CoR. *Journal of cell science*. 115 - Pt 6, pp. 1295 - 1598. 15/03/2002. ISSN 0021-9533
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 55** J Inglés Esteve; L Espinosa; L A Milner; C Caelles; A Bigas. Phosphorylation of Ser2078 modulates the Notch2 function in 32D cell differentiation. *The Journal of biological chemistry*. 276 - 48, pp. 44873 - 44953. 30/11/2001. ISSN 0021-9258
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 56** M D Delgado; I V Chernukhin; A Bigas; E M Klenova; J León. Differential expression and phosphorylation of CTCF, a c-myc transcriptional regulator, during differentiation of human myeloid cells. *FEBS letters*. 444 - 1, pp. 5 - 15. 05/02/1999. ISSN 0014-5793
Type of production: Scientific paper **Format:** Journal
- 57** A Bigas; D I Martin; L A Milner. Notch1 and Notch2 inhibit myeloid differentiation in response to different cytokines. *Molecular and cellular biology*. 18 - 4, pp. 2324 - 2357. 04/1998. ISSN 0270-7306
Type of production: Scientific paper **Format:** Journal
- 58** L A Milner; A Bigas; R Kopan; C Brashem Stein; I D Bernstein; D I Martin. Inhibition of granulocytic differentiation by mNotch1. *Proceedings of the National Academy of Sciences of the United States of America*. 93 - 23, pp. 13014 - 13023. 12/11/1996. ISSN 0027-8424
Type of production: Scientific paper **Format:** Journal
- 59** A Bigas; D I Martin; I D Bernstein. Generation of hematopoietic colony-forming cells from embryonic stem cells: synergy between a soluble factor from NIH-3T3 cells and hematopoietic growth factors. *Blood*. 85 - 11, pp. 3127 - 3160. 01/06/1995. ISSN 0006-4971
Type of production: Scientific paper **Format:** Journal
- 60** A Sureda; A Valls; E Kadar; M Algara; J Inglés Esteve; A Bigas; M Jaume; M Lacruz; L M Tobajas; M Rutllant. A single dose of granulocyte colony-stimulating factor modifies radiation-induced death in B6D2F1 mice. *Experimental hematology*. 21 - 12, pp. 1605 - 1612. 11/1993. ISSN 0301-472X
Type of production: Scientific paper **Format:** Journal
- 61** A Bigas; B Amill; C Canals; D Tugues; J García. CD34 positive cell selection by immunomagnetic techniques. *Progress in clinical and biological research*. 377, pp. 545 - 596. 1992. ISSN 0361-7742
Type of production: Scientific book or monograph **Format:** Book
- 62** Anna Bigas; Claudia Waskow. Blood stem cells: from beginning to end. *Development*. 143 - 19, pp. 3429 - 3433. Oxford University Press for The Company of Biologists Limited, 31/10/2016.
DOI: 10.1242/dev.142828
PMID: 27702782
Type of production: Scientific edition **Format:** Journal
Corresponding author: Yes

**Impact source:** ISI**Impact index in year of publication:** 6.46**Position of publication:** 4**Category:** Development**Journal in the top 25%:** Yes

- 63** Andreas Engert; Carlo Balduini; Anneke Brand; Bertrand Coiffier; Catherine Cordonnier; Hartmut Döhner; Thom Duyven{\e} De Wit; Sabine Eichinger; Willem Fibbe; Tony Green. The European Hematology Association Roadmap for European Hematology Research: a consensus documentThe EHA Roadmap for European Hematology ResearchThe EHA Roadmap for European Hematology ResearchThe EHA Roadmap for European Hematology ResearchThe EHA Roadmap for European Hematology ResearchThe EHA Roadmap for European Hematology ResearchThe EHA Roadmap for European Hematology ResearchThe EHA Roadmap for European Hematology ResearchThe EHA Roadmap for European Hematology Research. *haematologica*. 101 - 2, pp. 115 - 208. *Haematologica*, 2016.
Type of production: Scientific edition **Format:** Journal
Corresponding author: No
- 64** David Arambilet; Leonie Schoch; Yolanda Guillén; Anna Bigas. Revisiting β -Catenin Signaling in T-Cell Development and T-Cell Acute Lymphoblastic Leukemia. *Bioessays*. 42 - 2, pp. e1900099. 19/02/2020.
DOI: 10.1002/bies.201900099
Type of production: Review **Format:** Journal
Corresponding author: Yes
- 65** Anna Bigas; Lluís Espinosa. The multiple usages of Notch signaling in development, cell differentiation and cancer. *CURRENT OPINION IN CELL BIOLOGY*. 55, pp. 1 - 7. 12/2018. ISSN 0955-0674
DOI: 10.1016/j.ceb.2018.06.010
Type of production: Review **Format:** Journal
Corresponding author: Yes
- 66** Elaine Dzierzak; Anna Bigas. Blood Development: Hematopoietic Stem Cell Dependence and Independence. *CELL STEM CELL*. 22 - 5, pp. 639 - 651. 03/05/2018. ISSN 1934-5909
DOI: 10.1016/j.stem.2018.04.015
Type of production: Review **Format:** Journal
Corresponding author: Yes
- 67** Anna Bigas; Cristina Porcheri. Notch and Stem Cells. *MOLECULAR MECHANISMS OF NOTCH SIGNALING*. 1066, pp. 235 - 263. 2018. ISSN 0065-2598
Type of production: Review
Corresponding author: Yes
- 68** Colomer, Carlota; Marruecos, Laura; Vert, Anna; Bigas, Anna; Espinosa, Lluís. NF-kappa B Members Left Home: NF-kappa B-Independent Roles in Cancer. *BIOMEDICINES*. 5 - 2, 06/2017. ISSN 2227-9059
Type of production: Review **Format:** Journal
Corresponding author: No
Source of citations: WOS **Citations:** 0
- 69** Anna Bigas; Lluís Espinosa. Notch Signaling in Cell-Cell Communication Pathways. *Current Stem Cell Reports*. 2 - 4, pp. 349 - 355. Springer International Publishing, 2016.
Type of production: Review **Format:** Journal
Corresponding author: Yes



- 70** L Espinosa; A Bigas; M C Mulero. Novel functions of chromatin-bound I?B? in oncogenic transformation. British journal of cancer. 111 - 9, pp. 1688 - 1780. 28/10/2014. ISSN 1532-1827
DOI: 10.1038/bjc.2014.84
PMID: 25233399
Type of production: Bibliographic review
Position of signature: 2
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 4,836
Position of publication: 2
Corresponding author: No
Category: ONCOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 211
- 71** L Espinosa; P Margalef; A Bigas. Non-conventional functions for NF-?B members: the dark side of NF-?B. Oncogene. 0, 30/06/2014. ISSN 1476-5594
Type of production: Bibliographic review
Format: Journal
Corresponding author: No
- 72** Anna Bigas; Jordi Guiu; Leonor Gama Norton. Notch and Wnt signaling in the emergence of hematopoietic stem cells. Blood cells, molecules & diseases. 51 - 4, pp. 264 - 334. 12/2013. ISSN 1096-0961
DOI: 10.1016/j.bcmd.2013.07.005
PMID: 23927968
Type of production: Bibliographic review
Format: Journal
Position of signature: 1
Total no. authors: 3
Impact source: ISI
Impact index in year of publication: 2,331
Position of publication: 39
Corresponding author: Yes
Category: HEMATOLOGY
Journal in the top 25%: No
No. of journals in the cat.: 68
- 73** Maria Carmen Mulero; Anna Bigas; Lluís Espinosa. I?B? beyond the NF-kB dogma. Oncotarget. 4 - 10, pp. 1550 - 1551. 10/2013. ISSN 1949-2553
DOI: 10.18632/oncotarget.1325
PMID: 24077698
Type of production: Bibliographic review
Format: Journal
Position of signature: 2
Total no. authors: 3
Corresponding author: No
- 74** Anna Bigas; Lluís Espinosa. Hematopoietic stem cells: to be or Notch to be. Blood. 119 - 14, pp. 3226 - 3261. 05/04/2012. ISSN 1528-0020
DOI: 10.1182/blood-2011-10-355826
PMID: 22308291
Type of production: Bibliographic review
Format: Journal
Position of signature: 1
Total no. authors: 2
Impact source: ISI
Impact index in year of publication: 9,06
Position of publication: 3
Corresponding author: Yes
Category: HEMATOLOGY
Journal in the top 25%: Yes
No. of journals in the cat.: 67
- 75** Anna Bigas; Teresa D'Altri; Lluís Espinosa. The Notch pathway in hematopoietic stem cells. Current topics in microbiology and immunology. 360, pp. 1 - 19. (Germany): 2012. ISSN 0070-217X
DOI: 10.1007/82_2012_229
PMID: 22692832



Type of production: Bibliographic review

Position of signature: 1

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 4,86

Position of publication: 20

Impact source: ISI

Impact index in year of publication: 4,86

Position of publication: 27

Format: Book

Corresponding author: Yes

Category: MICROBIOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 116

Category: IMMUNOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 135

- 76** Lluís Espinosa; Anna Bigas; Maria Carmen Mulero. Alternative nuclear functions for NF- κ B family members. American journal of cancer research. 1 - 4, pp. 446 - 505. 2011. ISSN 2156-6976
PMID: 21984965

Type of production: Bibliographic review

Position of signature: 2

Total no. authors: 3

Impact source: ISI

Impact index in year of publication:

Position of publication: 52

Format: Journal

Degree of contribution: Author or co-author of review

Corresponding author: No

Category: ONCOLOGY

Journal in the top 25%: Yes

No. of journals in the cat.: 211

- 77** Anna Bigas; Alex Robert Moreno; Lluís Espinosa. The Notch pathway in the developing hematopoietic system. The International journal of developmental biology. 54 - 6-7, pp. 1175 - 1263. (Spain): 2010. ISSN 1696-3547

Type of production: Bibliographic review

Degree of contribution: Author or co-author of review

Corresponding author: Yes

Format: Journal

- 78** L A Milner; A Bigas. Notch as a mediator of cell fate determination in hematopoiesis: evidence and speculation. Blood. 93 - 8, pp. 2431 - 2479. 15/04/1999. ISSN 0006-4971

Type of production: Bibliographic review

Degree of contribution: Author or co-author of review

Corresponding author: No

Format: Journal

Works submitted to national or international conferences

- 1** **Title of the work:** Establishment of an in vivo model of patient-derived SS for therapy validation
Name of the conference: EORTC-Cutaneous Lymphoma Task Force (CLTF) Meeting on Cutaneous Lymphoma - Biology, Treatment, and Patient View
Corresponding author: No
City of event: St Gallen, Switzerland
Date of event: 27/09/2018
End date: 29/09/2018
Organising entity: EUROPEAN JOURNAL OF CANCER
Fernando Gallardo; Anna Bigas; Ramón Pujol; Evelyn Andrades; Lidia García; Jessica Gonzalez; Lluís Espinosa.
- 2** **Title of the work:** Understanding Notch signalling in Hematopoietic Stem Cell development
Name of the conference: Advances in Stem Cells and Regenerative Medicine
Corresponding author: Yes
City of event: Heidelberg, Germany



Date of event: 23/05/2017
End date: 26/05/2017
Organising entity: EMBO CONFERENCE
City organizing entity: Heidelberg,

3 **Title of the work:** Notch Levels, Ligands and targets in HSC specification
Name of the conference: Hemogenic Endothelium and Hematopoietic Stem Cell Production
Corresponding author: Yes
Date of event: 20/03/2017
End date: 25/03/2017
Organising entity: Fondation Les Treilles **Type of entity:** Foundation
City organizing entity: France

4 **Title of the work:** Understanding the development of MLL rearranged leukemias
Name of the conference: INTERNATIONAL SOCIETY FOR EXPERIMENTAL HEMATOLOGY
Corresponding author: Yes
City of event: SAN DIEGO, United States of America
Date of event: 25/08/2016
End date: 28/08/2016
Organising entity: ISEH
City organizing entity: SAN DIEGO, United States of America
Roshani Sinha; Cristina Porcheri; Teresa D'Altri; LLuis Espinosa; Anna Bigas. "Understanding the development of MLL rearranged leukemias".

5 **Title of the work:** Visualizing the hematopoietic emergence in the mouse embryo
Name of the conference: INTERNATIONAL SOCIETY FOR EXPERIMENTAL HEMATOLOGY 45TH ANUAL MEETING
Corresponding author: Yes
City of event: SAN DIEGO, United States of America
Date of event: 25/08/2016
End date: 28/08/2016
Organising entity: ISEH **Type of entity:** Associations and Groups
City organizing entity: SAN DIEGO, United States of America
Cristina Porcheri; Roshani Sinha; LLuis Espinosa; Anna Bigas. "Visualizing the hematopoietic emergence in the mouse embryo".

6 **Title of the work:** Notch/Beta-Catenin Crosstalk in the Hematopoetic System
Name of the conference: Gordon Research Conference: Notch Signaling in Development, Regeneration and Disease
Corresponding author: Yes
City of event: Lewinston, United States of America
Date of event: 31/07/2016
End date: 05/08/2016
Organising entity: Gordon Research Conferences
City organizing entity: Rhode Island, United States of America

7 **Title of the work:** γ -Catenin is required for T cell leukemia initiation and MYC transcription downstream of Notch1
Name of the conference: 16th IUBMB CONFERENCE
Corresponding author: Yes
City of event: VANCOUVER, Canada



Date of event: 17/07/2016

End date: 21/07/2016

Organising entity: INTERNATIONAL UNION OF BIOCHEMISTRY AND MOLECULAR BIOLOGY
"?-Catenin is required for T cell leukemia initiation and MYC transcription downstream of Notch1".

- 8** **Title of the work:** Deciphering Notch signaling in Hematopoietic Stem Cell development
Name of the conference: Hematopoietic stem cells: From the embryo to the aging organism”
Corresponding author: Yes
City of event: Heildelberg, Germany
Date of event: 03/06/2016
End date: 05/06/2016
Organising entity: EMBL
City organizing entity: Heidelberg, Germany

- 9** **Title of the work:** Searching for New Strategies to treat T-Acute Lymphoblastic Leukemia
Name of the conference: B-debate:Cancer Therapeutic Resistance
Corresponding author: Yes
City of event: Barcelona, Catalonia, Spain
Date of event: 07/04/2016
End date: 08/04/2016
Organising entity: B-debate
City organizing entity: Barcelona, Catalonia, Spain

- 10** **Title of the work:** Notch signalling in the control of Hematopoeitic Stem Cell development
Name of the conference: 8th Biennial Congress of the SETGyC,
Corresponding author: Yes
City of event: San Sebastian, Spain
Date of event: 04/11/2015
End date: 06/11/2015
Organising entity: SETGyC
City organizing entity: Spain
"Notch signalling in the control of Hematopoeitic Stem Cell development".

- 11** **Title of the work:** Notch signal strength controls cell fate in the hemogenic endothelium”
Name of the conference: The Notch meeting IX
Corresponding author: Yes
City of event: Athens, Greece
Date of event: 04/10/2015
End date: 08/10/2015
Organising entity: Foundation Santee
City organizing entity: Athens, Greece

- 12** **Title of the work:** Notch signal strength controls endothelial to hematopoietic cell transition
Name of the conference: 44th ANUAL MEETING INTERNATIONAL SOCIETY FOR HEMATOLOGY
Corresponding author: Yes
City of event: KYOTO, Japan
Date of event: 15/09/2015
End date: 20/09/2015
Organising entity: ISEH
City organizing entity: I, United States of America
Anna Bigas. "Notch signal strength controls endothelial to hematopoietic cell transition".

- 13** **Title of the work:** Contribution of Wnt/beta-catenin signaling to Notch Leukemogenic activity in T-cells
Name of the conference: Cancer Stem Cells 20 years later: Achievements, controversies, emerging concepts and technologies
City of event: Catanzaro, Italy
Date of event: 03/10/2014
End date: 06/10/2014
Organising entity: EMBO workshop
City organizing entity: Germany
LLuis Espinosa; Teresa D'Altri; Christos Gekas; Anna Bigas Salvans.
- 14** **Title of the work:** Notch Programming of the Hematopoietic Stem Cell Fate
Name of the conference: Notch signaling in Development, Regeneration and Disease
City of event: Lewiston, ME, United States of America
Date of event: 20/07/2014
End date: 25/07/2014
Organising entity: Gordon Conference
City organizing entity: United States of America
Anna Bigas.
- 15** **Title of the work:** Dissecting Notch signalling during HSC development
Name of the conference: Developmental Haematopoiesis symposium (Cellules souches)
City of event: Paris, France
Date of event: 04/04/2014
Organising entity: Hopital Saint Louis
City organizing entity: Paris, France
Anna Bigas.
- 16** **Title of the work:** IDENTIFICATION OF NOTCH/RBPJ-TARGET GENES INVOLVED IN HEMATOPOIETIC STEM CELL GENERATION
Name of the conference: 42nd Annual Scientific Meeting of the International-Society-for-Experimental-Hematology-and-Stem-Cells
City of event: Vienna, Australia
Date of event: 22/08/2013
End date: 25/11/2013
Organising entity: ISEH **Type of entity:** Associations and Groups
City organizing entity: United States of America
Jordi Guiu; Dylan Bergen; Abul Khademul Islam; Veronica Ayllong; Vera Horvath; Pablo Menendez; LLuis Espinosa; Anna Bigas.
- 17** **Title of the work:** JAGGED1 GOVERNS THE LOSS OF ENDOTHELIAL IDENTITY OF THE AORTIC ENDOTHELIUM DURING HSC SPECIFICATION
Name of the conference: 42nd Annual Scientific Meeting of the International-Society-for-Experimental-Hematology-and-Stem-Cells
City of event: Vienna, Australia
Date of event: 22/08/2013
End date: 25/11/2013
Organising entity: ISEH **Type of entity:** Associations and Groups
City organizing entity: United States of America
Leonor Gama-Norton; Jordi Guiu; Abul Khademul Islam; Cristina Ruiz Herguido; Eva Ferrando; LLuis Espinosa; Anna Bigas.

**18 Title of the work:** ROLE FOR NOTCH/RBPJ IN PRESERVING HEMATOPOIETIC STEM CELL ACTIVITY**Name of the conference:** 42nd Annual Scientific Meeting of the International-Society-for-Experimental-Hematology-and-Stem-Cells**City of event:** Vienna, Australia**Date of event:** 22/08/2013**End date:** 25/11/2013**Organising entity:** ISEH**Type of entity:** Associations and Groups**City organizing entity:** United States of America

Cristina Ruiz Herguido; LLuis Espinosa; Anna Bigas.

19 Title of the work: Downstream of Notch signaling in Hematopoietic Stem Cell Development**Name of the conference:** Joint spring meeting BSDB/CB**Type of event:** Conference**City of event:** Coventry, United Kingdom**Date of event:** 18/03/2013**End date:** 20/03/2013**Organising entity:** British Society for Developmental Biology/British Society for Cellular Biology**Type of entity:** Associations and Groups**City organizing entity:** United Kingdom

Jordi Guiu; LLuis Espinosa; Anna Bigas.

20 Title of the work: Hes in the regulation of embryonic Hematopoiesis**Name of the conference:** Gordon Conference on Notch signalling**City of event:** Bates College, Maine,**Date of event:** 2012**Organising entity:** Gordon Conferences**Type of entity:** NON PROFIT

Anna Bigas.

21 Title of the work: Notch-dependent T-ALL leukemias: a role for β -catenin**Name of the conference:** Epigenetics in Lymphocyte Biology and Disease**City of event:** Barcelona, Spain**Date of event:** 2012**Organising entity:** FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)

Anna Bigas.

22 Title of the work: Notch: an incoherent system to Regulate the generation of HSC**Name of the conference:** Molecular Haematopoiesis 15**City of event:** London, United Kingdom**Date of event:** 2012**Organising entity:** University of Cambridge and University of Oxford**Type of entity:** University**23 Title of the work:** Notch in Normal Hematopoietic Stem Cells**Name of the conference:** 53rd American Society of Hematology (ASH)**City of event:** San Diego, United States of America**Date of event:** 2011**Organising entity:** American Society of Hematology

Anna Bigas.



- 24** **Title of the work:** Notch signaling in normal and leukemic hematopoiesis
Name of the conference: Symposium on New Frontiers on Hematological Malignancies
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 2011
Organising entity: CIMA **Type of entity:** Innovation and Technology Centres
City organizing entity: Pamplona, Foral Community of Navarre, Spain
Anna Bigas.
- 25** **Title of the work:** Notch y leucemias T: con el permiso de NF-kB
Name of the conference: XXXIV congreso de la SEBBM
City of event: Barcelona, Spain
Date of event: 2011
Organising entity: Sociedad Española de Bioquímica y Biología Molecular **Type of entity:** Associations and Groups
Anna Bigas.
- 26** **Title of the work:** REGULATION OF GATA2 DOWNSTREAM OF NOTCH DURING HEMATOPOIETIC DEVELOPMENT
Name of the conference: 5th International GATA Factor Symposium (GATA-V)
City of event: Sendai, Japan
Date of event: 2010
Organising entity: TOHOKU UNIVERSITY **Type of entity:** University
City organizing entity: Sendai,
- 27** **Title of the work:** Generación de células madre hematopoyéticas en el embrión de ratón
Name of the conference: Congreso Nacional de Sociedad Española de Transfusion Sanguinea
City of event: tarragona, Spain
Date of event: 2009
Organising entity: SETS
Anna Bigas.
- 28** **Title of the work:** Mecanismos que regulan la generación de células madre hematopoyéticas en el embrión de ratón: ¿Qué se necesita para producir células madre hematopoyéticas?
Name of the conference: Asociación Española de Hematología y Hemoterapia (AEHH).
City of event: Barcelona, Spain
Date of event: 2009
- 29** **Title of the work:** Somatic Cell (Niche) Stem Cell Interactions: How Much the Decision of Being a Stem Cell is Due to Environmental Influence".
Name of the conference: Workshop on Cell Decision in Development and Stem Cell Function.
City of event: Teramo, Italy
Date of event: 2009
Organising entity: University of Teramo **Type of entity:** University
City organizing entity: Teramo, Italy
Anna Bigas.
- 30** **Title of the work:** Unexpected Notch function in the yolk sac erythroid cells.
Name of the conference: 12th congress of the European Hematology Association. Molecular Hematopoiesis symposium
City of event: Viena, Austria
Date of event: 2008



Organising entity: European Hematology Association
Anna Bigas; Alex Robert-Moreno.

- 31 Title of the work:** Deciphering the role of Notch in the embryonic development of hematopoietic stem cells
Name of the conference: The Notch meeting
City of event: Atenas, Greece
Date of event: 2007
Organising entity: The Santé Foundation
Alex Robert-Moreno; Cristina Ruiz-Herguido; Elaine Dzierzak; Tom Gridley; Lluís Espinosa; Anna Bigas.
- 32 Title of the work:** Notch cooperates with b-catenin to activate a specific gene program.
Name of the conference: Frontiers in Gastrointestinal Cancer Keystone Symposia
City of event: Beijing, China
Date of event: 2007
Organising entity: Keystone Symposia
City organizing entity: United States of America
Lluís Espinosa; Veronica Rodilla; Alberto Villanueva; Anna Bigas.
- 33 Title of the work:** Notch functions in the embryonic development of hematopoietic stem cells by regulating GATA2 expression.
Name of the conference: The role and control of GATA factors in tissue development and disease.
City of event: Capri, Italy
Date of event: 2007
Organising entity: EMBO workshop
Alex Rober-Moreno; Cristina Ruiz-Herguido; Lluís Espinosa; Anna Bigas.
- 34 Title of the work:** Notch pathway functions in the embryonic development of hematopoietic stem cells
Name of the conference: Exploring Chromatin in Stem Cells.
City of event: Montpellier, France
Date of event: 2007
Organising entity: ESF workshop
- 35 Title of the work:** Nuclear IKK Activity Leads to Dysregulated Notch-dependent Gene Expression in Colorectal Cancer
Name of the conference: Cell Signalling and Differentiation in Regenerative Medicine.
City of event: Oslo, Norway
Date of event: 2007
Organising entity: Spring School in regenerative Medicine
Vanessa Fernández-Majada; LLuis Espinosa; Anna Bigas.
- 36 Title of the work:** Notch signal strength controls Endothelial to Hematopoietic transition.
Name of the conference: International Society for Experimental Hematology, ISEH
Corresponding author: Yes
City of event: Kyoto, Japan
Organising entity: International society for Experimental Hematology
City organizing entity: United States of America
"Notch signal strength controls Endothelial to Hematopoietic transition."



Other dissemination activities

- 1** **Title of the work:** Notch in the Specification of Hematopoietic stem cells
Name of the event: The XI Notch meeting
Type of event: Conferences given
Corresponding author: Yes
City of event: athens, Greece
Date of event: 09/10/2019
Organising entity: Santee Foundation
City organizing entity: Foundation Santee,
- 2** **Title of the work:** The Hemato-Vascular system: Development and disease
Name of the event: The Hemato-Vascular system: Development and disease
Type of event: Conferences given
City of event: BAEZA, 21/10/2013, Spain
Date of event: 21/10/2013
Organising entity: Universidad Internacional de Andalucía **Type of entity:** University
- 3** **Title of the work:** Club Hematopoïèse et Oncogènèse
Name of the event: Club Hematopoïèse et Oncogènèse
City of event: Giens, France
Date of event: 09/10/2013
Organising entity: CHO **Type of entity:** Associations and Groups
City organizing entity: France
- 4** **Title of the work:** The Notch meeting
Name of the event: The Notch meeting
Type of event: Conferences given
City of event: Atenas, Greece
Date of event: 06/10/2013
Organising entity: Santéé Fundation
City organizing entity: Atenas, Greece
- 5** **Title of the work:** BSDB/CB Joint Spring meeting
Name of the event: BSDB/CB Joint Spring meeting
Type of event: Conferences given
City of event: Coventry, United Kingdom
Date of event: 21/01/2013
Organising entity: British Society for Developmental Biology/British Society for Cellular Biology
City organizing entity: Coventr,
- 6** **Title of the work:** Epigenetics in Lymphocyte Biology and Disease
Type of event: Conferences given
City of event: Barcelona, 19/10/2012, Spain
Date of event: 19/10/2012
Organising entity: FUNDACION PRIVADA INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)
City organizing entity: Barcelona, Catalonia, Spain



- 7** **Title of the work:** Gordon Conference on Notch signalling
Name of the event: Gordon Conference on Notch signalling
Type of event: Conferences given
City of event: Bates College, Maine, United States of America
Date of event: 20/08/2012
Organising entity: Gordon Conference
- 8** **Title of the work:** Notch in Normal Hematopoietic Stem Cells
Name of the event: 53rd ASH Meeting
Type of event: Conferences given
City of event: San Diego, United States of America
Date of event: 09/12/2011
Organising entity: American Society of Hematology
City organizing entity: United States of America
"Notch in Normal Hematopoietic Stem Cells".
- 9** **Title of the work:** Notch signalling in Normal and leukemic Hematopoiesis
Name of the event: Symposium on New Frontiers on Hematological Malignancies
Type of event: Conferences given
City of event: Pamplona, Spain
Date of event: 18/11/2011

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** CIBSS Scientific Advisory Board
Primary (UNESCO code): 330000 - Technological Science.
Secondary (UNESCO code): 240000 - Life Science
Affiliation entity: Centre for integrative Biological signalling studies
City affiliation entity: Freiburg, Germany
Start-End date: 01/09/2018 - 31/08/2021
- 2** **Committee title:** CIB-CSIC Scientific Advisory Board
Primary (UNESCO code): 240700 - Cell biology
Secondary (UNESCO code): 240000 - Life Science
Affiliation entity: Centro de Investigaciones Biológicas (CIB-CSIC) **Type of entity:** State agency
City affiliation entity: Madrid, Community of Madrid, Spain
Start-End date: 01/01/2019 - 31/12/2020
- 3** **Committee title:** ERC-STARTING GRANT
Affiliation entity: EUROPEAN RESEARCH COUNCIL **Type of entity:** Administrative Body of the National Health System
City affiliation entity: BRUSSELS, Belgium
Start-End date: 01/03/2014 - 30/06/2020



- 4** **Committee title:** LA CAIXA PROGRAMA EUROPA-BECAS DOCTORADO ESPAÑA
Affiliation entity: CAJA AHORROS Y PENSIONES DE BARCELONA LA CAIXA
Start-End date: 02/02/2015 - 30/06/2019
- 5** **Committee title:** Scientific Program Committee
Primary (UNESCO code): 240000 - Life Science
Affiliation entity: International Society for Experimental Hematology
City affiliation entity: United States of America
Start-End date: 01/08/2014 - 31/01/2017
- 6** **Committee title:** EHA21-Hematopoiesis, stem cells and microenvironment
Affiliation entity: EUROPEAN HEMATOLOGY ASSOCIATION
Start-End date: 01/02/2016 - 31/03/2016
- 7** **Committee title:** ANEP-BIOMEDICINE
Affiliation entity: Agencia Nacional de Evaluación y Prospectiva
Type of entity: MINISTERIO DE ECONOMIA Y COMPETITIVIDAD
City affiliation entity: MADRID,
Start-End date: 01/10/2012 - 31/07/2015

Organization of R&D activities

- 1** **Title of the activity:** Co-coordinator of Training Program
Geographical area: National
Convening entity: CIBERONC
City convening entity: MADRID,
Start-End date: 01/01/2017 - 31/12/2019
Type of entity: CIBER
Duration: 3 years
- 2** **Title of the activity:** Organization Stem Cells symposium at the Sociedad Española de Biología Celular, Badajoz
Convening entity: SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR
City convening entity: Spain
Start-End date: 15/10/2019 - 18/10/2019
- 3** **Title of the activity:** Organization Genetics and Epigenetics of Leukemia and Lymphoma. Josep Carreras Institute Opening Symposium
Geographical area: European Union
City convening entity: Barcelona, Catalonia, Spain
Start-End date: 19/09/2019 - 20/09/2019
- 4** **Title of the activity:** Organization of Young Investigators Premeeting
Geographical area: Non EU International
Convening entity: International Society for Experimental Hematology (ISEH)
City convening entity: Chicago, United States of America
Start-End date: 23/08/2018 - 22/08/2019
Duration: 2 years
- 5** **Title of the activity:** The Notch Meeting X
Type of activity: Workshop
Convening entity: Foundation Santéé
City convening entity: Athens, Greece
Geographical area: European Union
Type of entity: Foundation

Start-End date: 01/10/2017 - 05/10/2017

- 6** **Title of the activity:** Notch and Stem Cells Meeting
Type of activity: Workshop
Convening entity: Foundation Santé
City convening entity: Atenas, Greece
Start-End date: 30/10/2010 - 03/10/2010
Geographical area: Non EU International
Type of entity: Foundation
Duration: 4 days
- 7** **Title of the activity:** The Notch meeting
Type of activity: Congreso
Convening entity: Fundation Santé
City convening entity: Atenas, Greece
Start-End date: 06/10/2009 - 10/10/2009
Geographical area: Non EU International
Duration: 4 days
- 8** **Title of the activity:** III Eurostells workshop on Stem Cell Niches
Type of activity: Workshop
Convening entity: ESF
City convening entity: Barcelona, Catalonia, Spain
Start-End date: 12/01/2008 - 15/01/2008
Geographical area: Non EU International
Duration: 3 days

Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Panel member Cell Biology
Entity where activity was carried out: Academy of Lithuania
City of entity: Vilna, Lithuania
Start-End date: 01/03/2019 - 28/01/2020
- 2** **Name of the activity:** Life17-19 panel member
Performed tasks: Panel member
Entity where activity was carried out: Academy of Finland
City of entity: Helsinki, Finland
Start-End date: 07/01/2019 - 15/02/2019
- 3** **Name of the activity:** LS3 panel Starting grant
Performed tasks: ERC panel member LS3 Starting grant
Entity where activity was carried out: European Research Council
City of entity: Brussels, Belgium
Start-End date: 12/03/2018 - 21/06/2018
- 4** **Name of the activity:** miembro Panel
Performed tasks: Miembro panel Biomedicina (Cancer)
Entity where activity was carried out: Ministerio de Economía Y Competitividad
City of entity: Madrid, Spain
Start-End date: 16/11/2017 - 17/11/2017
- 5** **Name of the activity:** Evaluation projects
Performed tasks: ERC panel member for LS3-Starting grant
Entity where activity was carried out: European Research Council
City of entity: Brussels, Belgium
Start-End date: 01/06/2014 - 30/06/2016



- 6** **Name of the activity:** National Program on Stem Cells
Performed tasks: Comitee for Stem Cell panel review
Entity where activity was carried out: The Research Council of Norway **Type of entity:** State agency
City of entity: Oslo, Norway
Start-End date: 03/06/2009 - 10/06/2009
- 7** **Name of the activity:** LS3 panel Starting
Performed tasks: ERC panel member and deputy chair for LS3 Starting grant
Entity where activity was carried out: European Research Council
City of entity: Brussels, Belgium
Start date: 15/06/2016
- 8** **Name of the activity:** Evaluation of Spanish projects
Performed tasks: Deputy Area Biomedicine
Entity where activity was carried out: Agencia Nacional de Evaluación y Prospectiva **Type of entity:** Public Agency
City of entity: Madrid, Spain
Start date: 01/11/2011
- 9** **Name of the activity:** Evaluation of projects for Molecular Biology Program
Performed tasks: Comitee for Molecular Biology panel review
Entity where activity was carried out: The Research Council of Norway
City of entity: Oslo, Norway
Start date: 2010

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Fred Hutchinson Cancer Research Center **Type of entity:** Healthcare Institutions
City of entity: Seattle, United States of America
Start-End date: 01/07/2016 - 30/09/2016 **Duration:** 3 months
Goals of the stay: Guest
Provable tasks: Generation of HSC
- 2** **Entity:** Fred Hutchinson Cancer Research center **Type of entity:** Healthcare Institutions
Faculty, institute or centre: Clinical Research
City of entity: Seattle, United States of America
Start-End date: 01/01/1993 - 30/04/1997 **Duration:** 4 years - 4 months
Goals of the stay: Post-doctoral
Provable tasks: Mentor: Irwing D Bernstein and Laurie A. Milner



Co-operation networks

- 1** **Name of the network:** CIBERONC
Identification of the network: CIBERONC
Start date: 01/01/2017
- 2** **Name of the network:** Spanish Excellence Network in Metabolomics and Cancer
Identification of the network: Metabocancer Excellence Network
Start date: 01/01/2017 **Duration:** 2 years
- 3** **Name of the network:** Spanish Cancer Research Network
Identification of the network: RD12/0036/0054
Start date: 01/01/2013 **Duration:** 5 years
- 4** **Name of the network:** Spanish Cancer Research Network
Identification of the network: RD06/0020/0098
Start date: 01/01/2007 **Duration:** 5 years