

Education

- Sep 2012 - Present** **PhD in Biochemistry, Molecular Biology and Biomedicine**
Complutense University of Madrid, Spain.
- Sep 2011 – Jun 2012** **MSc in Research in Immunology**
Complutense University of Madrid, Spain.
- Sep 2005 – Jun 2011** **BSc, Biochemistry**
Complutense University of Madrid, Spain.

Research Experience

- Jun 2012 - todate** **PhD Student, Master in Biochemistry, Molecular Biology and Biomedicine**
Complutense University of Madrid (Department of Immunology), Madrid, Spain.
Supervisor: Prof. Dr. José R. Regueiro.
- May 2016 - todate** **Complutense University (UCM)-Harvard grant holder (CT45/15-CT46/15)**
- Jan 2013 – Dec 2015** **Associated Researcher, Biology and physiopathology of the complement system (S2010/BMD-2316).**
Main researcher: Santiago Rodriguez de Córdoba.
- Sep 2011 – Jun 2012** **Master Thesis, Master in Research in Immunology**
“Impact of Ras protein deficiency on the development of functional lineages of T γ δ and iNKT lymphocytes”.
Complutense University of Madrid (Department of Immunology), Madrid, Spain.
Supervisor: Dr. Edgar Fernández-Malavé
- Sep 2010 – Jun 2011** **Collaboration Grant**
Complutense University of Madrid (Department of Immunology), Madrid, Spain.
Supervisor: Dr. Edgar Fernández-Malavé
- Sep 2010 – Jun 2011** **Internships**
“Impact of Ras protein deficiency on the development of functional lineages of T lymphocytes”.
Complutense University of Madrid (Department of Immunology), Madrid, Spain.
Supervisor: Dr. Edgar Fernández-Malavé

Teaching Experience

- Sep 2011 – todate** **University Teaching Assistant (Immunology practical)**
Complutense University of Madrid, Department of Immunology, Madrid, Spain.

Scientific publications

Marin AV, Cárdenas PP, Jiménez-Reinoso A, Muñoz-Ruiz M, Regueiro JR. *Lymphocyte integration of complement cues. Semin Cell Dev Biol*, 2018. IF 6.61, Q1. In press. [Review article](#)

Bravo García-Morato M, Aracil Santos FJ, Briones AC, Blázquez Moreno A, del Pozo Maté A, Domínguez-Soto A, Beato Merino MJ, del Pino Molina L, Torres Canizales J, **Marin AV**, Vallespín García E, Feito Rodríguez M, Plaza López Sabando D, Jiménez-Reinoso A, Mozo del Castillo Y, Sanz Santaefemia FJ, de Lucas-Laguna R, Cárdenas PP, Casamayor Polo L, Coronel Díaz M, Valés-Gómez M, Roldán Santiago E, Ferreira Cerdán A, Nevado Blanco J, Corbí AL, PThomson Reyburn H, Regueiro JR, López-Granados E, Rodríguez Pena R. *New human combined primary immunodeficiency caused by a homozygous mutation in IRF4 inherited by a maternal isodisomy of chromosome 6. J Allergy Clin Immunol*, 2017. IF 12.48, Q1. In press. [Original article](#)

Jiménez-Reinoso A, **Marin AV**, López-Lera A, Subias M, Rodríguez de Córdoba S, Román-Ortiz E, Arbore G, Kolev M, Freeley SJ, Kemper C, López-Trascasa M, Regueiro JR. *Human plasma C3 is essential for the development of memory B, but not T, lymphocytes. J Allergy Clin Immunol*, 2017. doi: 10.1016/j.jaci.2017.09.037. IF 12.48, Q1. [Original article](#)

Querol-García J, Fernández FJ, **Marin AV**, Gómez S, Savko M, Melchor-Tafur C, Franco-Hidalgo V, Albertí S, Shepard W, Rodríguez de Córdoba S, Regueiro JR and Vega MC. *Glyceraldehyde-3-phosphate Dehydrogenase from the gram-positive bacterial pathogen A. vaginae interacts with the Human C5a Anaphylatoxin. Front Microbiol*, 2017; 8:541. doi: 10.3389/fmicb.2017.00541. IF 4.17, Q1. [Original article](#)

Jiménez-Reinoso A, **Marin AV** and Regueiro JR. *Complement in basic processes of the cell. Mol Immunol Special Issue*, 2017; 84:10-16. doi: 10.1016/j.molimm.2016.11.011. IF 3.38, Q2. [Review article](#)

Marin AV, Jiménez-Reinoso A, Briones AC, Muñoz-Ruiz M, Aydogmus C, Pasick L, Couso J, Mazariegos MS, Alvarez-Prado AF, Blázquez-Moreno A, Babayigit Hocaoglu A, Cipe FE, Moreno-Pelayo MA, García-Sánchez F, Gil J, Reyburn HT, Ramiro AR, Recio MJ, Ikinçiogullari A, Regueiro JR and Garcillán B. Primary T-cell immunodeficiency caused by a novel mutation in the CD247 subunit of the TCR. *J Allergy Clin Immunol*, 2017; 139(1):347-349.e8. doi:10.1016/j.jaci.2016.06.020. IF 12.48, Q1. [Original article](#)

Valés-Gómez M, Estes G, Aydogmus C, Blázquez-Moreno A, **Marin AV**, Briones AC, Garcillán B, García-Cuesta E, López S, Haskologlu S, Moraru M, Cipe F, Dobbs K, Dogu F, Parolini S, Notarangelo LD, Vilches C, Recio MJ, Regueiro JR, Ikinçiogullari A and Hugh Reyburn. NK cell hyporesponsiveness and impaired development in a CD247-deficient patient. *J Allergy Clin Immunol*, 2015; 137(3):942-945. [Original article](#)

Garcillán B.*, **Marin A.V.M.***, Jiménez-Reinoso A, Briones A.C., Muñoz-Ruiz M., García-León M.J., Gil J., Allende L.M., Martínez-Naves E., Toribio M.L. and Regueiro J.R. $\gamma\delta$ T lymphocytes in the diagnosis of human T cell receptor immunodeficiencies. *Front Immunol*. 2015; 6:20. doi: 10.3389/fimmu.2015.00020. (*Joint first authors). [Review article](#)

Marin A.V.M.*, Garcillán B.*, Jiménez-Reinoso A.*, Muñoz-Ruiz M., Briones A.C., Recio M.J., Regueiro J.R. Human congenital T Cell Receptor disorders. *LymphoSign Journal*, 2015; 2:1. doi: 10.14785/lpsn-2014-0012. (*Joint first authors). [Review article](#)

Meeting abstracts

Jiménez-Reinoso A, Marin AV, López-Lera A, Rodríguez de Córdoba S, Román-Ortiz E, López-Trascasa M and Regueiro JR. *Severe congenital plasma C3 deficiency does not preclude intracellular C3 expression by immortalized T cell lines in two unrelated patients. 15th European Meeting on Complement in Human Disease (EMCHD). Molecular Immunology*, 2015; 67(1), 147-148. ISSN: 0161-5890. IF 2.97, Q2.

Jiménez-Reinoso A, Lopez-Lera A, **Marin A.V.**, López-Relaño J., Martínez-Naves E., Rodríguez de Córdoba S., Román-Ortiz E., López-Trascasa M. and Regueiro J.R. *Differential impairment of dendritic, Band T cell differentiation in congenital primary (C3-deficient) as opposed to secondary (factor I-deficient) human plasma C3 deficiencies. 15th European Meeting on Complement in Human Disease (EMCHD). Molecular Immunology*, 2015; 67(1), 147-147. ISSN: 0161-5890. IF 2.97, Q2.

Marin A.V., Jiménez-Reinoso A, Juana-López L, Rodríguez de Córdoba S and Regueiro JR. *Altered B cell and bone marrow-derived dendritic cell phenotype in mouse models with secondary C3 deficiency. 15th European Meeting on Complement in Human Disease (EMCHD). Molecular Immunology*, 2015; 67(1), 158-159. ISSN: 0161-5890. IF 2.97, Q2.

López-Lera A, Jiménez-Reinoso A, **Marin AV**, Román-Ortiz E, Regueiro JR and López-Trascasa M. Cellular immunity profiles in genetic and acquired C3 deficiencies. 15th European Meeting on Complement in Human Disease (EMCHD). *Molecular Immunology*, 2015; 67(1), 156-157. ISSN: 0161-5890. IF 2.97, Q2.

Marin A.V., Jiménez-Reinoso A, Muñoz-Ruiz M, Juana-López L, Rodríguez de Córdoba S and Regueiro JR. *B Cell development in murine models of complement deficiency*. *Inmunología*, 2013; 45; ISSN: 0213-9626.

Marin A.V., Lozano J., Mollo R., Santos E., Jiménez Pérez E. and Fernández-Malavé E. *Involvement of Ras isoform signalling in $\gamma\delta$ T cell development*. *Inmunología*, 2013; 20; ISSN: 0213-9626.

Jiménez-Reinoso A, **Marin A.V.**, López-Relaño J, Mazariegos MS, López-Lera A, Martínez-Naves E, Rodríguez de Córdoba S, Román E, López-Trascasa M and Regueiro JR. *Leukocyte differentiation and function in human C3 deficiency*. *Inmunología*, 2013; 99; ISSN: 0213-9626.

Ana V Marin-Marin, Eva Jiménez Pérez, Eugenio Santos, Edgar Fernández-Malavé. *Role of Ras isoforms in $\gamma\delta$ T-cell development*. *Journal of Translational Medicine*, 2012; 10(3):O6. doi: 10.1186/1479-5876-10-S3-O6.

Edgar Fernández-Malavé, Paloma Martín Acosta, Jesús Reiné, Sabela Díaz-Castrovede, **Ana Victoria Marin-Marin**, Eugenio Santos, Salvador Iborra. *Differential requirement of N-ras for IFN- γ expression in CD4⁺ and CD8⁺ effector T cells*. *Cytokine*, 2011; 56 (1, 18). doi: 10.1016/j.cyto.2011.07.067.

Books chapters

Marin AV, Recio MJ, Briones AC, Regueiro JR. *Diagnóstico y monitorización inmunológica de las inmunodeficiencias primarias y secundarias*. Ed. Elsevier España, Barcelona, en prensa (2017). ISBN: 978-84-9022-885-2.

Conference Contributions

Attendance to several national and international meetings with frequent posters and some selected oral communications*:

Oct 2017 *2nd Meeting of the B cell Network (Net-B). Madrid, Spain.

Jun 2017 PhDay. Madrid, Spain.

May 2017 Spanish Congress of Immunology. Zaragoza, Spain.

May 2017 *Jeffrey Modell Foundation Junior Camp 2017. Prague, Czech Republic.

Nov 2016 *VII Jornada científica de la sociedad de inmunología de la Comunidad de Madrid*. Madrid, Spain.

Sep 2016 17th Biennial Meeting of the European Society for Immunodeficiencies (ESID). Barcelona, Spain.

Sep 2016 EMBO Conference: Lymphocyte antigen receptor signalling. Siena, Italy.

May 2016 Spanish Congress of Immunology. Alicante, Spain.

Sep 2015 4th European Congress of Immunology. Vienna, Austria.

Jun 2015 15th European Meeting on Complement in Human Disease. Uppsala, Sweden.

Oct 2014 *16th Biennial Meeting of the European Society of Immunodeficiencies (ESID). Prague, Czech Republic.

May 2014 *Spanish Congress of Immunology (SEI). Badajoz, Spain.

Dec 2013 *4th Annual Meeting of the Immunology Society of the Community of Madrid. Madrid, Spain.

May 2013 *Spanish Congress of Immunology (SEI). Salamanca, Spain.

Nov 2012 *7th European Workshop on Immune-Mediated Inflammatory Diseases. Noordwijk, Netherlands.

Oct 2010 9th joint meeting of the International Cytokine Society and the International Society for Interferon and Cytokine Research. Florence, Italy.

Skills & Activities

SKILLS Biochemistry: Western Blotting.

Cell Biology: Flow cytometry, cell and tissue immunofluorescence, cell culture, magnetic-activated cell sorting, confocal microscopy, T and B cell immortalization, transwell migration assays.

Animal handling: mouse, category B.

Software: FlowJo, CellQuest Pro, ImageJ, Image Studio, Endnote, GraphPad, Office, Illustrator, Photoshop.

LANGUAGES Spanish

English (C1.2 level)

SCIENTIFIC Spanish Society of Immunology (SEI)

MEMBERSHIPS European Society for Immunodeficiencies (ESID) Junior