CV Date	07/05/2024

Part A. PERSONAL INFORMATION

First Name *	Eduardo		
Family Name *	Arranz Sanz		
Sex *	Male	Date of Birth *	
ID number Social Security, Passport *		Phone Number *	(+34) 983184231 - 4231
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Researcher's identification number	Open Researcher and Contributor ID (ORCID) *	0000-0003-1957-3186	
	Researcher ID	I-4958-2015	
	Scopus Author ID	7004396043	

* Mandatory

A.1. Current position

Job Title	Catedrático de Universidad		
Starting date	2018		
Institution	Universidad de Valladolid		
Department / Centre	Pediatría, Inmunología, Obstetricia-Ginecología, Nutrición-Bromatología, Psiquiatría e Historia de la Ciencia / Facultad de Medicina		
Country	Spain	Phone Number	(+34) 983.184231 - 4231
Keywords	Biomedicine		

A.2. Previous positions

Period	Job Title / Name of Employer / Country
2010 - 2018	Profesor Titular de Universidad / Universidad de Valladolid
2006 - 2010	Profesor Contratado Doctor / Universidad de Valladolid

A.3. Education

Degree/Master/PhD	University / Country	Year
Ph. D. Gastrointestinal Immunology	Universidad de Edinburgo (Reino Unido)	1994
Programa Oficial de Doctorado de Investigación en Pediatría	Universidad de Valladolid	1986

A.4. General quality indicators of scientific production

6 sexenios de investigación CNEAI (último 2017-2022)
Publications 130 articles; Total times cited 1842
Books 2; Chapters of books 25
h-index 26

Part B. CV SUMMARY

Professor of Inmunology at the University of Valladolid (Spain). Head of the Departament of Pediatrics, Inmunology, Obstetrics-Ginecology, Nutrition-Bromatology, Psiquiatrics & History of Science. Coordinator of the Unidad de Investigación Consolidada from the Junta de Castilla y León (UIC Nº298), and Grupo de Investigación Reconocido “Mucosal Immunity and Allergy” from the Instituto de Biología y Genética Molecular-IBGM (Universidad de Valladolid-CSIC). Licenciate in Medicina for the Universidad de Valladolid (1982), and Doctor in Medicina and

Gold Medal of Doctorate Studies at the Universidad de Valladolid (1986), and Ph.D. (1994) at the University of Edinburgh (United Kingdom). I have training in gastrointestinal inmunology at the Lab. of Prof. Anne Ferguson, Western General Hospital & Departament of Medicine, University of Edinburgh, and I have expertise on the study of the effects of immunosenescence on mucosal inmunity, and the mechanisms for oral tolerance and intestinal inflammation, as well as inflammatory diseases of the intestine, particlarly celiac disease and inflammatory bowel disease. In celiac disease, I have experience in the identification of biomarkers for the diagnosis of the disease, and the characterization of gluten effects mediated by the innate and adaptive immunity in the small bowel mucosa. I have studied the genetics of the IL-15 receptor (IL-15Ra) in celiac disease, as well as the possible implication gluten peptides derived from the metabolic activity of the microbiota, and the characterization of intestinal macrophages and dendritic cells and its role in intestinal inflammation, and the use of both the intraepithelial limphogram by Flow citometry, and the ELISpot technique, as complementary diagnostic tools (when diagnostic criteria are not clear, negative serology, or suspition of non-celiac wheat sensitivity). I have been co-editor of the books “Advances in the understanding of gluten related pathology and the evolution of gluten-free foods” (Omnia Science; 2015), and “Introducción al conocimiento actual de la enfermedad celiaca” (Ergón 2016), as well as group member of the “ **Protocolo para el diagnóstico precoz de la enfermedad celiaca”** from the Spanish Ministry of Heath, Social Services & Equality (2018), and founder member of the Spanish Society of Celiac Disease, and elected President of this society from 2007 to 2015.

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Publications

AC: corresponding author. (nº x / nº y): position / total authors. If applicable, indicate the number of citations

1 **Scientific paper**. Cossarizza; Hyun-Dong; Radbruch; et al; (10/10) Arranz. 2023. Guidelines for the use of flow cytometry and cell sorting in immunological studies (Third edition). Eur J Immunol. Wiley. 51-12, pp.2708-3145.

2 **Scientific paper**. Miriam; Concha; Irene; (4/5) Eduardo; Diego. 2022. Evolutionary origin of Insulin-Degrading Enzyme and its sub-cellular localization and secretion mechanism: A study of microglial cells. Cells. MDPI. 11-227.

3 **Scientific paper**. Universidad de Valladolid-IBGM; Instituto de Productos Naturales y Agrobiología (IPNA-CSIC); Instituto de Productos Naturales y Agrobiología (IPNA-CSIC); et al; Universidad de Valladolid-IBGM; (7/9) Universidad de Valladolid-IBGM. 2020. Modulation of glial responses by furanocembranolides : leptolide diminishes microglial inflammation in vitro and ameliarates gliosis in vivo in a mouse model of obesity and insulin resistance. Marine Drugs. MDPI. 18-8, pp.378-390.

4 **Scientific paper**. Escudero-Hernández C; Martín A; de Pedro Andrés R; Fernández-Salazar L; Garrote JA; Bernardo D; (7/7) Arranz E. 2020. Circulating Dendritic Cells from Celiac Disease Patients Display a Gut-Homing Profile and are Differentially Modulated by Different Gliadin-Derived Peptides. Molecular Nutrition and Food Research. WILEY. 64-6. ISSN 1613-4125.

5 **Scientific paper**. Escudero-Hernández C; Montalvillo E; Antolín B; Bernardo D; Garrote JA; (6/7) Arranz E; Fernández-Salazar L. 2020. Different Intraepithelial CD3+ Cell Numbers in Crohn's Disease and Ulcerative Colitis. Inflammatory Bowel Diseases. OXFORD UNIV PRESS INC. 26-3, pp.E14-E15. ISSN 1078-0998.

6 **Scientific paper**. Burgueño Gómez B; Escudero-Hernández C; de Pedro R; et al; Fernández Salazar L; (8/9) Arranz Sanz E. 2020. Duodenal Lymphogram as a Complementary Tool in the Diagnosis of Celiac Disease in Adults. Revista Española de Enfermedades Digestivas. Aran Ediciones. ISSN 1130-0108. https://doi.org/10.17235/reed.2020.6391/2019

7 **Scientific paper**. Escudero-Hernández C; Bernardo D; (3/4) Arranz E; Garrote JA. 2020. Is celiac disease really associated with inflammatory bowel disease?. Revista Española de Enfermedades Digestivas. ARAN EDICIONES, S A. 112-2, pp.4-6. ISSN 1130-0108.

8 **Scientific paper**. Núñez C; Garrote JA; (3/10) Arranz E; et al; Serrano-Vela JI. 2018. Recommendations to report and interpret HLA genetic findings in coeliac disease [Recomendaciones para la elaboración e interpretación de informes genéticos en enfermedad celíaca]. Revista Espanola de Enfermedades Digestivas. 110-7, pp.458-461. ISSN 1130-0108.

9 **Scientific paper**. Escudero-Hernández C; Plaza-Izurieta L; Garrote JA; Bilbao JR; (5/5) Arranz E (AC). 2017. Association of the IL-15 and IL-15Rα genes with celiac disease. Cytokine. ELSEVIER SCIENCE LTD. 99, pp.73-79. ISSN 1043-4666.

10 **Scientific paper**. Escudero-Hernández C; Martínez-Abad B; Ruipérez V; Garrote JA; (5/5) Arranz E. 2017. New IL-15 receptor-α splicing variants identified in intestinal epithelial Caco-2 cells. Innate Immunity. SAGE PUBLICATIONS LTD. 23-1, pp.44-53. ISSN 1753-4259.

11 **Scientific paper**. Bernardo D; Durant L; Mann ER; et al; Knight SC; (27/30) Arranz E. 2016. Chemokine (C-C Motif) Receptor 2 Mediates Dendritic Cell Recruitment to the Human Colon but Is Not Responsible for Differences Observed in Dendritic Cell Subsets, Phenotype, and Function Between the Proximal and Distal Colon. Cellular and Molecular Gastroenterology and Hepatology. Elsevier. 2-1, pp.22-39.e5. ISSN 2352-345X.

12 **Scientific paper**. Martínez-Abad B; Garrote JA; Bernardo D; Montalvillo E; Escudero-Hernández C; Vázquez E; Rueda R; (8/8) Arranz E. 2016. Differential immunomodulatory effects of Lactobacillus rhamnosus DR20, Lactobacillus fermentum CECT 5716 and Bifidobacterium animalis subsp. lactis on monocyte-derived dendritic cells. Journal of Functional Foods. ELSEVIER SCIENCE BV. 22, pp.300-312. ISSN 1756-4646.

13 **Scientific paper**. Comino I; Fernández-Bañares F; Esteve M; et al; Sousa C; (21/40) Arranz E. 2016. Fecal Gluten Peptides Reveal Limitations of Serological Tests and Food Questionnaires for Monitoring Gluten-Free Diet in Celiac Disease Patients. American Journal of Gastroenterology. NATURE PUBLISHING GROUP. 111-10, pp.1456-1465. ISSN 0002-9270.

14 **Scientific paper**. Montalvillo E; Bernardo D; Martínez-Abad B; et al; (9/9) Arranz E. 2015. Increased intraepithelial Vα24 invariant NKT cells in the celiac duodenum. Nutrients. MDPI. 7-11, pp.8960-8976. ISSN 2072-6643.

C.3. Research projects and contracts

1 **Project**. Migración y diferenciación de las subpoblaciones de células dendríticas y monocitos en la mucosa intestinal de pacientes con enfermedad inflamatoria intestinal. (Instituto de Biología y Genética Molecular). 01/01/2020-01/01/2024. 139,15 €.

2 **Project**. Migración y diferenciación de las subpoblaciones de células dendríticas y monocitos en la mucosa intestinal de pacientes con enfermedad inflamatoria intestinal. David. (IBGM. Universidad de Valladolid-CSIC). 01/01/2020-30/12/2022. 139,15 €.

3 **Project**. Biomarcadores de pronóstico y mecanismos de inflamación mediante citometría de masas y multiplex. (Instituto de Biología y Genética Molecular). 01/07/2020-31/07/2021. 60.000 €.

4 **Project**. Laboratorio colaborativo transfronterizo para la sostenibilidad e innovación del Sector Agroalimentario y Agroindustrial (TRANSCOLAB). (Universidad de Valladolid). 01/04/2018-30/03/2021.

C.4. Activities of technology / knowledge transfer and results exploitation

Eduardo Arranz Sanz; Alfredo Blanco Quirós; José Antonio Garrote Adrados; David Bernardo Ordíz. P201131576. Péptido Inmunogénico del Gluten y sus aplicaciones Spain. 29/09/2011. Universidad de Valladolid. BIOMEDAL, S.L.