

Halt-**RONIN**

Discovering chronic inflammation biomarkers that define key stages in the Healthy-to-NASH (non-alcoholic steatohepatitis) transition to inform early prevention and treatments strategies.

Grant Agreement No. 101095679

Halt-RONIN** Newsletter October 2025 – January 2026**

Our project aims to **discover chronic inflammation biomarkers that define critical stages in the Healthy-to-MASLD/MASH transition to inform early prevention and treatment strategies.**

Our newsletters provide our latest news and aim to become a forum for analyzing relevant topics in the field of liver diseases and commenting on some of the most relevant articles published during these four months of the project. Halt-**RONIN** has reached its 38 months of life. This period has been filled with numerous exciting activities, all of which can be explored in our website: <https://halt-ronin.com/news/>

The **second periodic report** of the project, covering the period from 1 June 2024 to 30 November 2026, was submitted on 30 January 2026. The review meeting with the reviewers is expected to take place on 26 February.

Michel Kranendonk (PI of partner UNL) delivered a lecture at the **International Conference on Cytochrome P450**, held from 30 June to 4 July 2025 in Bern, Switzerland. This conference is part of a renowned biennial series dedicated to research on these essential enzymes. His lecture, entitled “Unraveling the Molecular Complexity of Cytochrome P450 Oxidoreductase: From Enzyme Mechanisms to Liver Disease”, highlighted his group’s molecular studies on this pivotal reductase and showcased how this work is now being extended to MASLD research within the Halt-**RONIN** initiative.

From 25 to 25 November, the postgraduate course “**Advanced Models for Predictive Toxicology**”, organized by Joana PG Miranda at FFUL, Lisbon, was held. The following consortium members participated as speakers: Gülçin Cakan, Leonard Nelson, Pau Sancho-Bru, and Francisco Javier Cubero.

From **December 1–2** the **IMMEDIATE** project successfully organized the **Stay Healthy Cluster Symposium**, with strong support from its cluster partners — **INITIALISE, EndoTarget, miGut-Health, GlycanTrigger, and Halt-**RONIN**** — bringing together researchers, clinicians, citizens, and patient representatives. The event highlighted how European research is advancing our understanding of chronic inflammation and the health-to-disease transition, while strengthening the role of personalized prevention in public health. All participating projects are funded under the **Horizon Europe** program of the European Commission, within the call “*Personalised Blueprint of Chronic Inflammation in Health-to-Disease Transition.*” Members of our consortium who attended the event included **Joana P. G. Miranda, Jonathan Fallowfield, Leonard Nelson, and Michel Kranendonk.**



The **International Seminar Series on Liver Toxicity and Steatotic Liver Disease** took a short break — but they are back!

Date	Speaker	Country	Title
17/09/2025	Dr. Leye Coker (EMEA/APAC)		Portable CO ₂ Incubation for Living Cell Logistics: Enabling Safe and Reliable Transport of Sensitive Biological Material
15/10/2025	Luis Antonio Díaz (University of California)		Steatotic Liver Disease: The Border Between Metabolic Dysfunction and Drug-Induced Liver Injury
19/11/2025	Inbal Mor (Ariel University)		Effect of metabolic changes in hepatic steatosis on drug toxicity
21/01/2026	Thomas Darde (Scilicium)		Transcriptomics-driven insights into steatotic liver disease and liver toxicity: from data integration to actionable molecular signatures

You can rewatch past seminars [here](#)

*Javier Cubero
Coordinator of Halt-**RONIN**
Complutense University, Madrid*

Publications of the Consortium.

Publications			
Title	Authors	Title of the journal or equivalent	DOI
An exploratory study on the pathogenic role of faecal extracellular vesicles in metabolic dysfunction-associated steatotic liver disease progression and in drug-induced liver injury.	Antonio J. Ruiz-Malagón, Marina Herraiz-Vilela, Jose Pinazo-Bandera, et al.	Journal of Extracellular Vesicles	10.1002/jev2.70240
Multi-Cellular Human Liver Organoids for Modeling Metabolic Dysfunction-Associated Steatotic Liver Disease and Drug-Induced Liver Injury	Duclos M, Marzougui Z, Saleh M, Corlu A, Massart J, Ferron PJ.	Curr. Protoc.	10.1002/cpz1.70294
MASLD Under the Umbrella of the Microbiota: A Narrative Review on Ecological Risk and Functional Transmissibility	Javier Crespo, Paula Argos Vélez, Marta Alonso-Peña, Lorena Cayón, Carolina Jiménez-González and Paula Iruzubieta	J. Clin. Med.	10.3390/jcm15041325
Role of CNM4 in the progression of cholangiocarcinoma: implications for ferroptosis and therapeutic potential	María Mercado-Gómez, Naroa Goikoetxea-Usandizaga, Álvaro Eguileor Giné et al.	Hepatology	10.1136/gutjnl-2024-333255
The gut–liver axis in progressive steatotic liver disease: A focus on bile acid dysregulation	Panayiotis Louca , Juan M. Pericàs, Yu Lin, et al	The Journal of Nutrition, health and aging	https://doi.org/10.1016/j.jnha.2025.100671

Communication and Dissemination activities:

Communication Activity Type	Description	Outcome
Oral Communication	Title: <i>High-dimensional cytometry for single-cell immune profiling uncovers immunopathological mechanisms in idiosyncratic drug-induced liver injury (DILI).</i> Authors: M Isabel Lucena, Daniel E. Di Zeo-Sánchez, Marina Villanueva-Paz, Irene Díaz-Alberola, Gonzalo Matilla-Cabello, Ángela Remesal Doblado, José M. Pinazo-Bandera, Miren García-Cortés, Francisco Ruiz-Cabello, Mercedes Robles-Díaz, Raúl J Andrade, Camilla Stephens. Name of the congress: The Liver Meeting. Entity: American Association for the Study of the liver (AASLD). City: Washington D.C., USA. Date: 07/11/2025 – 11/11/2025.	10.1097/HEP.0000000000001493
Poster	Title: <i>Circulating intestinal permeability and inflammation markers in patients with drug-induced liver injury and other forms of liver injury.</i> Authors: Daniel E. Di Zeo-Sánchez, Judith Sanabria-Cabrera, Irene Díaz-Alberola, José María Pinazo-Bandera, Juan Pedro Toro Ortiz, Miren García-Cortés, Mercedes Robles-Díaz, Ismael Álvarez-Álvarez, Raúl J. Andrade, M. Isabel Lucena, Marina Villanueva-Paz, Camilla Stephens. Name of the congress: 17th Congress of the European Association for Clinical Pharmacology and Therapeutics (EACPT). Entity: EACPT. City: Helsinki, Finland. Date: 28/06/2025 – 01/07/2025.	Poster communication.
Poster	Title: <i>Sphéroïdes humains quadri-cellulaires comme modèle de progression de la stéatose en stéatohépatite par surcharge en substrats métabolisables.</i> Authors: Maela Douclos. Name of the congress: Journées Francophones de Nutrition, City: Lyon, France. Date: 11/12/2025	Poster communication.
Oral Communication	Title: Developing human LiverACE spheroids to model fatty liver disease. Authors: Anabel Martínez Lyons. Name of the congress: 3Rs Symposium 2025 - Focus on the 3H's_University of Edinburgh, City: Edinburgh, UK_ Date: 6/11/2025	Flash talk and poster presentation
Poster	Title: Increasing the cellular complexity of patient-derived liver organoids to model MASLD. Authors: Zhengqing Xu Name of the congress: 3rd International Workshop on Liver and Gut Fibrosis. Date: 10/2025	Poster
Poster	Title: Single-cell RNA sequencing analysis reveals functional heterogeneity in iPSC-derived hepatic stellate cells. Authors: Laura García Tercero Name of the congress: 3rd International Workshop on Liver and Gut Fibrosis. Date: 10/2025	Poster
Oral Communication	Title: The role of MAP3K8/Tpl2 in steatotic liver disease (SLD)-induced liver damage. Authors: Sara García Name of the congress: 3rd International Workshop on Liver and Gut Fibrosis. Date: 10/2025	https://eventos.adeit.es/130936/section/56717/3rd-international-workshop-on-liver-and-gut-fibrosis.html
Poster	Title: The significance of acute kidney injury at presentation in idiosyncratic drug-induced liver injury: a comprehensive analysis of two large prospective registries Authors: Pinazo-Bandera JM, Niu H, Toro-Ortiz JP, Medina-Caliz I, Sanabria-Cabrera J, Ortega-Alonso A, Robles-Díaz M, Di Zeo-Sánchez D, Hernández N, Bessone F, Nunes V, Parana R, Lucena MI,	Poster

	Andrade RJ, Alvarez-Alvarez I, Garcia-Cortés M. Name of the congress: AASLD The Liver Meeting City: Chicago, Date: 10/11/2025	
Oral Communication	Title: Loss of MAP3K8 in myeloid cells protects against preclinical ALD and MetALD. Author: Alejandro Hionides. Name of the congress: AASLD. The Liver Meeting. City: Chicago, USA. Date: 10/11/2025	https://annualcongress25.com/aasld-2025/index.php
Oral Communication	Title: Functional role of NRF2 in the activation of Hepatic Stellate Cells during chronic liver inflammation. Author: María Magdalena Leiva Arjona. Name of the congress: International Symposium on TGF- β : Signaling in Development and Disease. City: Nanchang (China). Date: 25/10/2025	https://english.ncu.edu.cn/info/1035/7381.htm?utm_source
Oral Communication	Title: Author: Francisco Javier Cubero. Name of the congress: International Symposium on TGF- β : Signaling in Development and Disease. City: Nanchang (China). Date: 25/10/2025	https://english.ncu.edu.cn/info/1035/7381.htm?utm_source
Oral Communication	Title: XBP1-JNK Crosstalk modulates TGF- β -driven fibrosis and hepatocarcinogenesis. Author: Chi Xu. Name of the congress: International Symposium on TGF- β : Signaling in Development and Disease. City: Nanchang (China). Date: 25/10/2025	https://english.ncu.edu.cn/info/1035/7381.htm?utm_source