



Become a driver of change in liver disease research and care

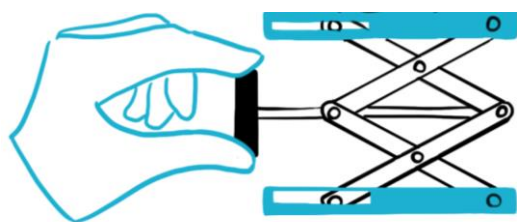
Chronic liver disease is one of the most complex and urgent challenges in global health. As scientific knowledge rapidly evolves, so does the need for professionals who can connect clinical insight with research innovation. The **EF CLIF Master Program on Clinical, Basic, and Translational Research in Hepatology** is designed to meet this need.

This postgraduate program offers **advanced, multidisciplinary training** tailored to clinicians, researchers, and healthcare professionals across the globe. Through an expert-led, fully online format, the program empowers you to deepen your understanding of liver disease and contribute meaningfully to the future of hepatology.

Who is this program for?

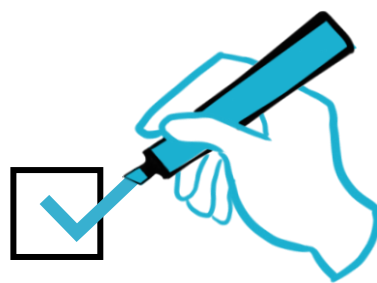
This program is open to professionals from diverse backgrounds, including but not limited to:

- Hepatologists, gastroenterologists, intensivists, pathologists, and transplant specialists
- Clinical and biomedical researchers
- Healthcare professionals and industry experts working in liver-related fields
- Public health and academic professionals interested in translational science



Admission requirements

- Degree in medicine, biomedical sciences, statistics, or related fields
- Interest in hepatology research (basic, translational, and/or clinical)
- No prior research experience required



What will you learn?

By the end of the program, participants will be able to:

- Understand the pathophysiology of chronic liver diseases
- Apply clinical and translational research methodologies
- Design and interpret clinical trials and observational studies
- Translate findings into practice through evidence-based strategies
- Work effectively in multidisciplinary teams
- Communicate results with impact, from scientific publication to patient advocacy

This Master program prepares professionals to **lead innovation, contribute to international research networks**, and drive better outcomes in liver care.

"This is **more than an advanced course**—it's a springboard for your next career step in hepatology research."

— Paolo Angeli, Director of the EF CLIF Master Program on Hepatology Research

Why this Master Program?

Unlike traditional courses, the EF CLIF Master Program is **designed to bridge the gap between research and real-world practice**. You will learn not only the theory but how to apply it to improve diagnostics, therapies, and care strategies.

Program structure

The program is structured around **three specializations** with a total duration of nine months (60 ECTS):

- 1 Foundations and Management of Chronic Liver Disease
- 2 Clinical Research in Hepatology
- 3 Basic and Translational Research in Hepatology

The Master program ends with a **capstone project**—a clinical case analysis, protocol design, or dataset interpretation—allowing you to apply your learning in a real-world scenario.

Program format

- **Fully online** and flexible: Learn at your own pace
- **Expert-led** video lectures and curated readings
- **Interactive learning** with clinical cases and applied assignments
- **Discussion forums** and peer feedback to build a learning community
- **Ongoing quizzes and assessments** for active learning
- **Final capstone project**

Be part of a global community advancing liver research

The EF CLIF Master Program is more than a training course—it is a platform for international collaboration and innovation. As a participant, you will join a network of researchers, clinicians, and educators committed to shaping the future of hepatology.

Career opportunities

Graduates will be prepared to:

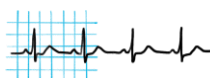
- Design and interpret clinical and observational studies
- Contribute to diagnostic and therapeutic innovation
- Collaborate in international research networks
- Advise or lead initiatives in academic, clinical, or industry settings



Ideal for professionals balancing work and study



Accessible from anywhere in the world



Designed to build applied skills in real-world scenarios

Program curriculum and instructors

Directors:

Paolo Angeli | University of Padova, Italy

Javier Fernández | Hospital Clínic de Barcelona, Spain | EF CLIF, Spain

Foundations and Management of Chronic Liver Disease Specialization

Coordinator: Richard Moreau | EF CLIF, Spain

Course 1 | Pathophysiology, diagnosis and treatments of chronic liver diseases

Metabolic dysfunction-associated steatotic liver disease (MASLD): Screening, case-finding, diagnosis and monitoring (including comorbidities)

Jérôme Boursier | CHU Angers, France

Frédéric Oberti | CHU Angers, France

MASLD: Pathophysiology, pharmacological and non-pharmacological treatment

Sven Francque | Antwerp University Hospital, Belgium

Wilhelmus Kwanten | Antwerp University Hospital, Belgium

Alcohol-related hepatitis: Diagnosis and treatment

Alexandre Louvet | CHU Lille, France

Cornelius Engelmann | Charité, Germany

Viral hepatitis: Current treatments of viral hepatitis caused by HBV, HCV and HDV

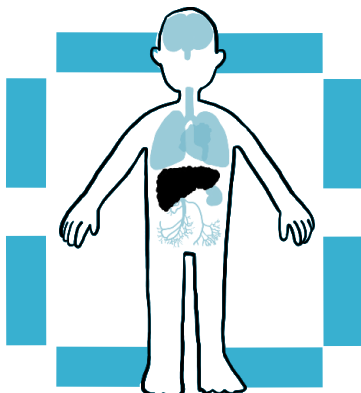
Tarik Asselah | Hôpital Beaujon, France

Pierre Tonnerre | Inserm U976, Institut de Recherche Saint-Louis, France

Hepatocellular carcinoma: Therapeutic options

Jean-Charles Nault | Hôpitaux Universitaires Paris-Seine-Saint-Denis, France

Manon Allaire | La Pitié Salpêtrière Hospital, France



Course 2 | Treatment of acute decompensation of cirrhosis and ACLF

Natural history of cirrhosis

Paolo Angeli | University of Padova, Italy

Marta Tonon | University of Padova, Italy

Medical management of ascites and hepatorenal syndrome

Salvatore Piano | University of Padova, Italy

Simone Incicco | University of Padova, Italy

Medical management of gastrointestinal bleeding

Thomas Reiberger | Medical University of Vienna, Austria

Michael Praktiknjo | University Hospital Münster, Germany

Medical management of hepatic encephalopathy

Sara Montagnese | University of Padova, Italy

Chiara Mangini | University of Padova, Italy

Prevention and management of infections

Javier Fernández | Hospital Clínic de Barcelona, Spain | EF CLIF, Spain

Juan Manuel Díaz | Hospital Clínic de Barcelona, Spain | EF CLIF, Spain

Medical management of acute-on-chronic liver failure (ACLF)

Thierry Gustot | CUB Hôpital Erasme, Belgium

Laure Elkrif | CHU Tours, France

Usage of prognostic scores with the perspective of liver transplantation

Marina Berenguer | Hospital Universitario de Valencia, Spain

Florent Artru | CHU Rennes-Hôpital Pontchaillou, France



Clinical Research in Hepatology Specialization

Coordinator: Jonel Trebicka | University Hospital Münster, Germany | EF CLIF, Spain

Course 1 | Study design in clinical research in hepatology

Prospective observational studies

Wim Laleman | KU Leuven, Belgium

Frank Uschner | University Hospital Münster, Germany

Retrospective studies and meta-analysis

Lise Lotte Gluud | University of Copenhagen, Denmark

Nina Kimer | University of Copenhagen, Denmark

Randomized controlled studies

Javier Fernández | Hospital Clínic de Barcelona, Spain | EF CLIF, Spain

Juan Manuel Díaz | Hospital Clínic de Barcelona, Spain | EF CLIF, Spain

Novel study designs

Juan González-Abraldes | University of Alberta, Canada

Maximilian Brol | University Hospital Munster, Germany

Biomarker and diagnostic studies

Aleksander Krag | Odense University Hospital, Denmark

Nikolaj Torp | Odense University Hospital, Denmark

Course 2 | Implementation of prospective clinical research

Population, inclusion and exclusion criteria

Katharina Stauer | Versantis AG (part of GENFIT Group), Switzerland

Wenyi Gu | Shanghai Jiao Tong University School of Medicine, China

Sample size calculation and endpoints

Ruben Hernáez | Baylor College of Medicine, TX, USA

Eva Usón | EF CLIF, Spain

Practical issues and considerations

(ethical/legal/registration/sites selection and site initiation)

Sebastian Marciano | Hospital Italiano de Buenos Aires, Argentina

Frank Uschner | University Hospital Münster, Germany

Evaluation of primary and secondary endpoints (including data log and queries, *post hoc* analysis)

Alastair O'Brien | University College London, UK

Gemma Wells | University College London, UK

Publishing a paper

Alexander Gerbes | LMU Munich University Hospital, Germany

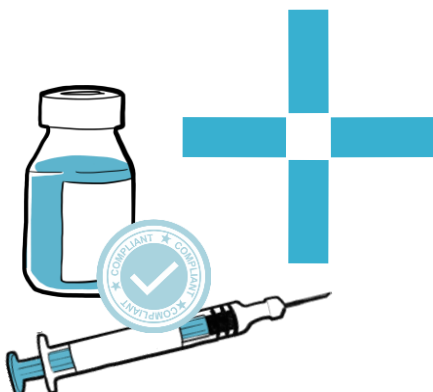
Evaluation of clinical studies

Agustín Albillos | Hospital Universitario Ramón y Cajal, Spain

Rosa Martín-Mateos | Hospital Universitario Ramón y Cajal, Spain

Introduction to clinical practice guidelines

Markus Cornberg | German Center for Infection Research, Germany



Basic and Translational Research in Hepatology Specialization

Coordinator: Joan Clària | Hospital Clínic de Barcelona-IDIBAPS, Spain | EF CLIF, Spain

Course 1 | Experimental models for preclinical research

In vitro, *ex vivo* and *in vivo* models of liver disease

Joan Clària | Hospital Clínic de Barcelona-IDIBAPS, Spain | EF CLIF, Spain

Elena Palma | The Roger Williams Institute of Hepatology, UK

In silico models

Stefan Hoehme | University of Leipzig, Germany

iPSC-derived organoids

Mathias Heikenwälder | German Cancer Research Center, Germany

Suchira Gallage | Tübingen University Hospital, Germany

Course 2 | Cell-based methodologies

Immunophenotyping and flow cytometry-based techniques

Giuliana Magri | University of Barcelona, Spain
Berta Romero-Grimaldo | IDIBAPS, Spain

Liver cell and tissue engineering

Ruchi Bansal | University of Twente, The Netherlands

Mireia Casulleres | BeCytes Biotechnologies, Spain

Course 3 | High-throughput omics technologies

Genomics

Eric Trépo | CUB Hôpital Erasme, Belgium

Transcriptomics

Ana M. Aransay | CIC bioGUNE, Spain
Fleur Chapus | IDIBAPS, Spain

Metabolomics and lipidomics

Christophe Junot | French National Institute for Agriculture, Food, and Environment, France
Cristina López-Vicario | IDIBAPS, Spain

Proteomics

Florian Rosenberger | Karoliska Institutet, Sweden
Shani Ben-Moshe | Max Plank Institute of Biochemistry, Germany

Course 4 | Computational methods in translational research

Biological data processing and statistical analysis

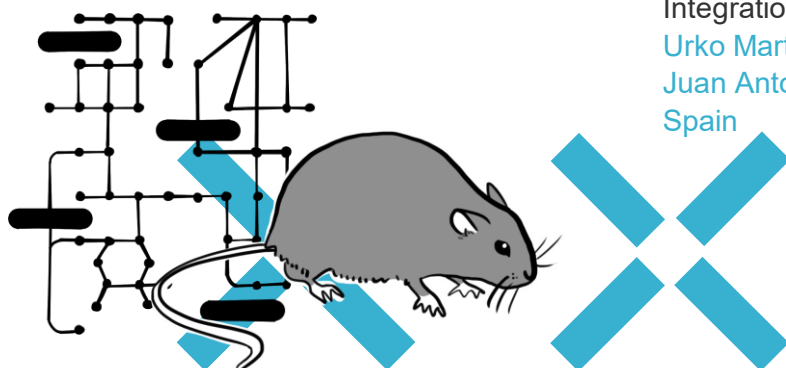
Eva Usón | EF CLIF, Spain
Bryan Contreras | IDIBAPS, Spain

Bioinformatic analysis

Ferran Aguilar | EF CLIF, Spain
Beatriz Garcia | EF CLIF, Spain

Integration of clinical and omics data

Urko Martínez | CIC bioGUNE, Spain
Juan Antonio Miguel-González | CIC bioGUNE, Spain





Flexible payment options

We understand the importance of making education accessible. While the total cost of the program is €4000, we offer installment payment plans to support your learning journey:

- Pay in **three or six** installments over the duration of the program
- No additional taxes or fees
- Choose the plan that best fits your financial situation

Financial support

We are committed to supporting the hepatology professionals of today and tomorrow.

A €1000 tuition reduction is available to the first 20 students who complete pre-registration and are accepted into the program.

- Limited availability: first-come, first-served
- Can be combined with installment payment options*

(*) Students who receive the €1000 financial aid and choose to withdraw early will still be charged for the modules they have completed. The aid will be applied proportionally based on the total program cost.

Registration timeline

- Pre-registration opening: July 2025
- Program start: December 2025
- Applicants will receive instructions on full enrollment and tuition payment at pre-registration

Endorsed by



UNIVERSITAT DE
BARCELONA

Contact

For questions, email us:

EF CLIF Education Team
efclif@efclif.com

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