

Chairs:

Pietro Lampertico and Heiner Wedemeyer

program

OCTOBER  
11-12, 2024  
MILAN, ITALY

Fondazione Cariplo - Conference Center

# Delta Cure

3<sup>rd</sup> International Meeting

with the endorsement of



UNIVERSITÀ  
DEGLI STUDI  
DI MILANO



also online [www.deltacure2024.com](http://www.deltacure2024.com)

## Dear Colleagues and Friends,

It's a great pleasure to announce the final scientific program of the 3<sup>rd</sup> Edition of **Delta Cure International Meeting** to be held in Milan, Italy, on October 11-12, 2024.

We are organizing an exciting meeting in a hospitable environment that will certainly favor an important scientific exchange. Infact, the **Delta Cure Meeting** will review the last evidences in terms of virology, pathogenesis and epidemiology, diagnosis and endpoints.

Two full sessions will be dedicated to thoughtfully debate the most recent advances in terms of current and new antiviral treatments. We will also discuss suggestions for treatment algorithms which will be included in a meeting report to be published in a leading journal of the field. The Faculty will involve an excellent panel of Experts who will guide the attendees through all the challenges of this disease. In particular, we want to encourage young scientists to contribute in topical scientific sessions by submitting abstracts.

Milan is a vibrant cosmopolitan center where the various cultures of northern European and Mediterranean countries merge; it has a lot to offer: art museums, history, opera (La Scala), music, fashion, design, culinary delights and business opportunities. Milan is easy to reach by all means of transport, but is one of the most accessible cities in Europe in terms of air links through 3 international airports (Malpensa, Linate and Orio al Serio).

Furthermore, Milan has the largest public transport network which let people travel around the city urban community and the region easily and quickly.

This event will give you the opportunity to focus on the newest scientific trends in our field in an atmosphere of Italian hospitality and the Italian expression of European Union.

We are sure that - forty-five years after the discovery of HDV - this Meeting will shed new exciting lights on the management of this difficult-to-treat disease.

**Looking forward to seeing you in Milan!**

The Chairs  
*Pietro Lampertico and Heiner Wedemeyer*



# faculty

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## CHAIRS

**Pietro Lampertico** - IRCCS Cà Granda Ospedale Maggiore Policlinico, Università degli Studi di Milano, Milan (Italy)

**Heiner Wedemeyer** - Hannover Medical School, Hannover (Germany)

## SPEAKERS

**Kosh Agarwal** - King's College Hospital, London (UK)

**Soo Aleman** - Karolinska University Hospital, Huddinge (Sweden)

**Lena Allweiss** - University Medical Center Hamburg-Eppendorf, Hamburg (Germany)

**Maria Paola Anollì** - Foundation IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan (Italy)

**Tarik Asselah** - Hôpital Beaujon, APHP, Clichy, France, University of Paris, Paris (France)

**Thomas Berg** - University Hospital Leipzig, Leipzig (Germany)

**Maurizia Brunetto** - Azienda Ospedaliero Universitaria Pisana, Università degli Studi di Pisa, Pisa (Italy)

**Maria Buti** - Hospital General Universitari Valle Hebron, Barcelona (Spain)

**Isabelle Chemin** - Cancer Research Center, Lyon (France)

**Harel Dahari** - Loyola University Medical Center, Chicago (USA)

**Maura Dandri** - University Medical Center Hamburg-Eppendorf, Hamburg (Germany)

**Elisabetta Degasperi** - Foundation IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan (Italy)

**Gianpiero D'Offizi** - Istituto Nazionale di Malattie Infettive "Lazzaro Spallanzani", Rome (Italy)

**Rafael Esteban** - Hospital Universitario Val d'Hebron, Universidad Autónoma de Barcelona, Barcelona (Spain)

**Hélène Fontaine** - Assistance Publique Hopitaux de Paris, Paris (France)

**Saeed Sadiq Hamid** - The Aga Khan University, Karachi (Pakistan)

**Mathias Jachs** - Medical University of Vienna, Vienna (Austria)

**Helenie Kefalakes** - Hannover Medical School, Hannover (Germany)

**Massimo Levrero** - IHU Lyon - Institute of Hepatology of Lyon, Lyon (France)

**Julie Lucifora** - Centre International de Recherche en Infectiologie, Lyon (France)

**Niklas Luhmann** - WHO Headquarters, Geneva (Switzerland)

**Erkin Musabaev** - Research Institute of Virology, Tashkent (Uzbekistan)

**George Papatheodoridis** - "Laiko" General Hospital of Athens, Athens (Greece)

**Nancy Reau** - Rush University Medical Center, Chicago (USA)

**Francesco Paolo Russo** - University Hospital Padova, Padova (Italy)

**Lisa Sandmann** - Hannover Medical School, Hannover (Germany)

**Barbara Testoni** - Cancer Research Center of Lyon, Lyon (France)

**Stephan Urban** - Heidelberg University Hospital, Heidelberg (Germany)

**Cihan Yurdaydin** - Koç University Medical School, Istanbul (Turkey)

## ORAL PRESENTERS

**Soo Aleman** - Karolinska University Hospital, Huddinge (Sweden)

**Tarik Asselah** - Hôpital Beaujon, APHP, Clichy, France, University of Paris, Paris (France)

**Lorenza Di Marco** - University of Modena and Reggio Emilia, Modena (Italy)

**Joachim Lupberger** - University of Strasbourg, Strasbourg (France)

## SCIENTIFIC SECRETARIAT AND ABSTRACT REVIEWERS

**Elisabetta Degasperi** - IRCCS Cà Granda Ospedale Maggiore Policlinico, Milan (Italy)

**Lisa Sandmann** - Hannover Medical School, Hannover (Germany)



# OCTOBER 11, 2024

## Opening Session

11.20 - 11.30 Welcome by Chairs *P. Lampertico and H. Wedemeyer*

## WHO SESSION **Hepatitis Delta: making a difference in low- and middle-income countries**

*Moderators: F.P. Russo and H. Wedemeyer*

11.30 - 11.40 Updated WHO HBV guidelines and recommendations for testing and diagnosis for HDV  
*N. Luhmann*

11.40 - 11.50 Diagnostics for HDV: what we have and what we need for improving diagnosis  
in low-and-middle income countries *I. Chemin*

11.50 - 12.00 Hepatitis Delta epidemiology and experiences with HDV diagnosis and reflex testing  
in Uzbekistan *E. Musabaev*

12.00 - 12.15 HDV diagnosis and treatment in Pakistan and the way forward for LMICs *S.S. Hamid*

12.15 - 12.30 Panel discussion

12.30 - 13.30 Light Lunch and DZIF Poster Session

## SESSION 1 **Virology and Pathogenesis**

*Moderators: M. Dandri and J. Lucifora*

13.30 - 13.50 Virology: the latest insights *S. Urban*

13.50 - 14.10 Pathogenesis: insights from liver biopsies *L. Allweiss*

14.10 - 14.30 Are immune responses important in HDV infection? *H. Kefalakes*

14.30 - 14.50 New HBV biomarkers: any role in HDV? *B. Testoni*

14.50 - 15.00 Oral presentation

Integrative transcriptomics and epigenomics reveals a viral footprint of chronic HDV infection  
in HBV co-infected chimeric livers *J. Lupberger*

15.00 - 15.20 Discussion

15.20 - 15.50 Coffee Break and DZIF Poster Session



# program

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## SESSION 2

### **Diagnosis, Staging, HCC risk and antiviral therapy**

*Moderators: S. Aleman and R. Esteban*

- 15.50 - 16.10 HDV-RNA assays: performances and clinical challenges M.P. Anollì  
16.10 - 16.30 Fibroscan and other non-invasive markers L. Sandmann  
16.30 - 16.50 PegIFN+NUC: predictors of response M. Brunetto

- 16.50 - 17.00 Oral presentation  
Hepatitis delta virus (HDV) replication through HBV integrants in HCC recurrence  
after liver transplantation L. Di Marco  
17.00 - 17.20 Discussion

## SESSION 3

### **Current and new antiviral treatments I**

*Moderators: G. Papatheodoridis and N. Reau*

- 17.20 - 17.40 Bulevirtide mono and combo in clinical trials H. Wedemeyer  
17.40 - 17.55 Bulevirtide in EU: SAVE-D study update E. Degasperi  
17.55 - 18.10 Bulevirtide in France: multicenter study update H. Fontaine  
18.10 - 18.25 Bulevirtide for decompensated cirrhosis M. Jachs

- 18.25 - 18.35 Oral presentation  
Efficacy and safety of BLV monotherapy for chronic hepatitis delta: post treatment results  
through 24 weeks after the end of treatment from an interim analysis of a randomized  
Phase 3 study MYR301 S. Aleman  
18.35 - 19.00 Discussion

- 19.00 - 19.30 State of the Art Lecture and Prize: "My journey with HDV" C. Yurdaydin  
(presented by H. Wedemeyer)

- 19.30 - 20.00 Transfer to the Dinner venue (*walking distance*)  
20.00 - 22.30 Apero and Dinner



# OCTOBER 12, 2024

08.30 - 08.50 Opening remarks Day 2 *P. Lampertico and H. Wedemeyer*

## SESSION 4

### Current and new antiviral treatments II

*Moderators: T. Berg and M. Buti*

08.50 - 09.10 Bulevirtide in HIV coinfected patients *G. D'Offizi*

09.10 - 09.30 Can we stop Bulevirtide? Lessons learned from viral kinetics modelling *H. Dahari*

09.30 - 09.50 What have we learned from the Lonafarnib and pegIFN lambda trials? *T. Asselah*

09.50 - 10.10 New antivirals for HDV, phase II studies *K. Agarwal*

10.10 - 10.30 What can we learn from HBV trials for HDV cure? *M. Levrero*

10.30 - 10.40 Oral presentation

Efficacy and safety of tobevibart (VIR-3434) alone or in combination with elebsiran (VIR-2218) in participants with chronic hepatitis delta virus infection: preliminary results from the Phase 2 SOLSTICE trial in non-cirrhotic and compensated cirrhotic participants *T. Asselah*

10.40 - 11.00 Discussion

11.00-11.30 Coffee Break and DZIF Poster Session

## SESSION 5

### Round Table Discussion

*Moderators: P. Lampertico and H. Wedemeyer*

11.30 - 12.30 Hot topics in HDV management.

- For Institutions and Patient Associations: *I. Gardini, EpaC; M. Korenjak, ELPA; N. Luhmann, WHO*
- For Pharma and Diagnostics: *M. Mertens, Gilead Sciences; A. Reinhardt, Roboscreen; K. Rottengatter, Altona Diagnostics; N. Shulman, Bluejay Therapeutics; C. Voitenleitner, Roche Diagnostics*
- For Academia: *Delta Cure Faculty*

12.30 - 12.45 Closing remarks *P. Lampertico and H. Wedemeyer*

12.45 - 13.45 Farewell Lunch



# poster exhibitions

## POSTER AREA 1 - DIAGNOSIS, STAGING, HCC RISK AND ANTIVIRAL THERAPY

### P1 Nearly One-Third of Veterans with Hepatitis Delta Virus Infection in the United States Have Already Developed Cirrhosis or Hepatocellular Carcinoma at Time of Diagnosis

R.J. Wong<sup>1,2</sup>, Z. Yang<sup>2</sup>, J. Lim<sup>3</sup>, J.H. Jou<sup>4,5</sup>, R. Cheung<sup>1,2</sup>

<sup>1</sup>Division of Gastroenterology and Hepatology, Stanford University School of Medicine, Stanford, CA, USA; <sup>2</sup>Gastroenterology and Hepatology Section, Veterans Affairs Palo Alto Healthcare System, Palo Alto, CA, USA; <sup>3</sup>Section of Digestive Diseases and Yale Liver Center, Yale University School of Medicine, New Haven, Connecticut; <sup>4</sup>Division of Gastroenterology and Hepatology, Department of Medicine, Oregon Health & Science University Hospital Portland OR; <sup>5</sup>Division of Gastroenterology and Hepatology, Department of Medicine, Portland VA Medical Center Portland OR

### P2 Quantification of plasma HDV RNA in untreated and bulevirtide-treated patients with CHD: a comparison between robogene 2.0, Eurobioplex and altostar

M.P. Anolli<sup>1</sup>, S. Uceda Renteria<sup>2</sup>, E. Degasperi<sup>1</sup>, F. Facchetti<sup>1</sup>, D. Sambarino<sup>1</sup>, M. Borghi<sup>1</sup>, R. Perbellini<sup>1</sup>, R. Soffredini<sup>1</sup>, S. Monico<sup>1</sup>, A. Callegaro<sup>2</sup>, P. Lamper-tico<sup>1,3,4</sup>

<sup>1</sup>Division of Gastroenterology and Hepatology, Foundation IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy; <sup>2</sup>Microbiology and Virology Unit, Foundation IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy; <sup>3</sup>CRC "A. M. and A. Migliavacca" Center for Liver Disease, Department of Pathophysiology and Transplantation, University of Milan, Milan, Italy; <sup>4</sup>D-SOLVE consortium, an EU Horizon Europe funded project (No 101057917)

### P3 Value and kinetics of virological markers in the natural course of chronic hepatitis D virus infection

L. Sandmann<sup>1,2,3</sup>, V. Ohlendorf<sup>1</sup>, A. Ehrenbauer<sup>1</sup>, B. Bremer<sup>1</sup>, A.R.M. Kraft<sup>1,3,4,5</sup>, M. Cornberg<sup>1,2,3,4,5</sup>, K. Deterding<sup>1</sup>, H. Wedemeyer<sup>1,2,3,4</sup>, B. Maasoumy<sup>1,4</sup>

<sup>1</sup>Department of Gastroenterology, Hepatology, Infectious Diseases and Endocrinology, Hannover Medical School, Germany; <sup>2</sup>D-SOLVE consortium, an EU Horizon Europe funded project; <sup>3</sup>Cluster of Excellence RESIST (EXC 2155), Hannover Medical School, Carl-Neuberg-Straße 1, 30625 Hannover, Germany;

<sup>4</sup>German Center for Infection Research (DZIF), Hannover/Braunschweig, Germany; <sup>5</sup>Centre for Individualised Infection Medicine (CiIM), a joint venture between Helmholtz-Centre for Infection Research and Hannover Medical School, Hannover, Germany

### P4 Hepatitis delta virus (HDV) replication through HBV integrants in HCC recurrence after liver transplantation

L. Di Marco<sup>1,2</sup>, N. De Maria<sup>3</sup>, A. Pivetti<sup>3</sup>, A. Colecchia<sup>3</sup>, A. Romanzi<sup>3</sup>, A. Spallanzani<sup>1</sup>, G. Guaraldi<sup>4</sup>, G. Dolci<sup>4</sup>, G. Ciusa<sup>5</sup>, F. Di Benedetto<sup>6</sup>, P. Magistri<sup>6</sup>, S. Di Sandro<sup>6</sup>, E. Degasperi<sup>7</sup>, M.P. Anolli<sup>7</sup>, P. Lampertico<sup>7</sup>, D. Giosa<sup>8</sup>, D. Lombardo<sup>9</sup>, G. Raimondo<sup>9</sup>, T. Pollicino<sup>9</sup>

<sup>1</sup>Department of Oncology and Hematology, Oncology Unit, University Hospital of Modena and Reggio Emilia, University of Modena and Reggio Emilia, Modena, 41124, Italy; <sup>2</sup>Clinical and Experimental Medicine Program, Department of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia, 41125 Modena, Italy; <sup>3</sup>Chimomo Department, Gastroenterology Unit, University Hospital of Modena and Reggio Emilia, University of Modena and Reggio Emilia, Modena, 41124 Modena, Italy; <sup>4</sup>Department of Infectious Diseases, University Hospital of Modena and Reggio Emilia, University of Modena and Reggio Emilia, Modena, 41124, Italy; <sup>5</sup>Infectious Diseases Unit, ARNAS "Civico-Di Cristina-Benfratelli", Palermo, Italy; <sup>6</sup>Hepato-pancreato-biliary Surgery and Liver Transplantation Unit, University of Modena and Reggio Emilia, Modena, 41124, Italy; <sup>7</sup>Division of Gastroenterology and Hepatology, Foundation IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy; <sup>8</sup>Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Messina, Italy; <sup>9</sup>Department of Internal Medicine, University Hospital of Messina, Messina, Italy

### P5 Development and implementation of an hepatitis D detection and linkage to care program in Catalonia. Preliminary results.

A. Palom<sup>1,2</sup>, A. Rando-Segura<sup>1,2</sup>, L. Calatayud Samper<sup>3</sup>, G. Fernandez Rivas<sup>4</sup>, A. Sellés Sanchez<sup>5</sup>, S. Mormeneo Bayo<sup>6</sup>, D. Pérez del Campo<sup>7</sup>, M.M.O. Perez Moreno<sup>8</sup>, J. Ayats<sup>9</sup>, D. Taberner<sup>1,2</sup>, J. Castellote<sup>3</sup>, R.M. Morillas<sup>4</sup>, J.C. Quer<sup>5</sup>, C. Aracil Blanch<sup>6</sup>, C. Lopez<sup>7</sup>, D. Salazar<sup>8</sup>, A. Marco<sup>10</sup>, M. Buti<sup>1,2</sup>

<sup>1</sup>Hospital Universitari Vall d'Hebron, Barcelona, Spain; <sup>2</sup>Centro de Investigación Biomédica en Red de Enfermedades Hepáticas y Digestivas (CIBERehd), Instituto de Salud Carlos III, Madrid, Spain; <sup>3</sup>Hospital Universitari de Bellvitge, Barcelona, Spain; <sup>4</sup>Hospital Universitari Germans TriasPujol, Badalona, Spain; <sup>5</sup>Hospital Universitari Joan XXIII de Tarragona, Tarragona, Spain; <sup>6</sup>Hospital Universitari Arnau de Vilanova, Lleida, Spain; <sup>7</sup>Hospital Universitari Doctor Josep Trueta, Girona, Spain; <sup>8</sup>Hospital Universitari Verge de la Cinta de Tortosa, Tarragona, Spain; <sup>9</sup>Microbiology Area of the Clinical Laboratories Directorate, Catalan Institute of Health (ICS), Barcelona, Spain; <sup>10</sup>Penitentiary Health Program, Catalan Institute of Health (ICS), Barcelona, Spain

### P6 THE WHO HDV RNA International Standard does not reflect variability of real-world samples

B. Bremer<sup>1</sup>, K. Deterding<sup>1</sup>, K. Port<sup>1</sup>, B. Gey<sup>2</sup>, C. Früchtel<sup>2</sup>, A. Reinhardt<sup>2</sup>, I. Lachmann<sup>2</sup>, M. Cornberg<sup>1,3,4,5,6</sup>, H. Kefalakes<sup>1,3,4,5</sup>, B. Maasoumy<sup>1,5</sup>, H. Wede-meyer<sup>1,3,4,5</sup>, L. Sandmann<sup>1,3,4</sup>

<sup>1</sup>Department of Gastroenterology, Hepatology, Infectious Diseases and Endocrinology, Hannover Medical School, Hannover; <sup>2</sup>Roboscreen GmbH, Leipzig; <sup>3</sup>D-SOLVE consortium, an EU Horizon Europe funded project (No 101057917); <sup>4</sup>Excellence Cluster RESIST Hannover Medical School, Hannover; <sup>5</sup>German Center for Infection Research (DZIF), Hannover/Braunschweig; <sup>6</sup>Centre for Individualised Infection Medicine, Helmholtz Centre for Infection Research/Hannover Medical School, Hannover

### P7 Bulevirtide: a success case after pegIFNα failure

A. Carraro<sup>1</sup>, R. Marocco<sup>1</sup>, B. Kerusha<sup>1</sup>, G. Mancarella<sup>1</sup>, L. Ansaldo<sup>1</sup>, L. Fondaco<sup>1</sup>, S. De Maria<sup>1</sup>, S. Corazza<sup>1</sup>, A. Gasperin<sup>1</sup>, A. Grimaldi<sup>1</sup>, C. Del Borgo<sup>1</sup>, M. Lichtner<sup>2</sup>

<sup>1</sup>Infectious Diseases Unit, SM Goretti Hospital, Sapienza University of Rome Polo Pontino, Latina, Italy; <sup>2</sup>Department of NESMOS, Sapienza University of Rome, Rome, Italy



**P8 The prevalence and characteristics of hepatitis B/D in 48,522 HBsAg tested individuals in Mongolia**

G. Jargalsaikhan<sup>1,2</sup> and H. Kamal<sup>3</sup>, S.n Enkhtaivan<sup>1,2</sup>, D. Bruce<sup>4</sup>, B. Dashtseren<sup>1,2</sup>, T. Ulziibadrakh<sup>1,2</sup>, M. Batkhuu<sup>1,2</sup>, P. Bat-Ulzii<sup>1,2</sup>, S. Byambabaatar<sup>1,2</sup>, N. Dashdorj<sup>1,2</sup> and S. Aleman<sup>3</sup>

<sup>1</sup>The Liver Center, Ulaanbaatar, Mongolia; <sup>2</sup>ONOM Foundation, Ulaanbaatar, Mongolia; <sup>3</sup>The department of Infectious Diseases, Karolinska University Hospital and Karolinska Institutet, Stockholm, Sweden; <sup>4</sup>SDS Life Science statistical consultancy, Stockholm, Sweden

**P9 Validation of Streamlined serodiagnosis of hepatitis delta virus**

A. Dashdorj<sup>1,2</sup>, K. An<sup>3</sup>, N. Ariungerel<sup>5</sup>, S. Han<sup>3</sup>, G. Choi<sup>3</sup>, S. Ah Kim<sup>4</sup>, T.H. Kim<sup>3</sup>, M. Chung<sup>4</sup>, O. Oidosambuu<sup>5</sup>, B. Ochirsum<sup>2</sup>, S. Enkhtaivan<sup>2</sup>, Saruul Enkhjargal<sup>5</sup>, P. Bat-Ulzii<sup>2</sup>, E. Ochirbat<sup>2</sup>, N. Dashdorj<sup>1,2</sup>, N. Dashdorj<sup>1,2</sup> N.J. Cho<sup>6</sup>

<sup>1</sup>Onom Foundation, Ulaanbaatar; <sup>2</sup>The Liver Center, Ulaanbaatar; <sup>3</sup>Department of Research and Development, Anyang; <sup>4</sup>Department of Chemical Engineering, Hongik University, Seoul; <sup>5</sup>Laboratory of Genetic Engineering, NUM, Ulaanbaatar; <sup>6</sup>School of Materials Science and Engineering, Nanyang Technological University, Singapore

**P10 Limited use of established risk scores for the prediction of hepatocellular carcinoma in patients with chronic hepatitis D virus infection**

R. Iker<sup>1,2</sup>, A. Wranke<sup>1,2</sup>, H. Schneider<sup>1</sup>, H. Wedemeyer<sup>1,2,3,4</sup>, H. Kefalakes<sup>1,2,3,4</sup>, L. Sandmann<sup>1,3,4</sup>

<sup>1</sup>Department of Gastroenterology, Hepatology, Infectious Diseases and Endocrinology, Hannover Medical School, Hannover, Germany; <sup>2</sup>German Center for Infection Research (DZIF), Hannover-Braunschweig Site, Germany; <sup>3</sup>D-SOLVE: EU-funded Network on individualized management of hepatitis D, Hannover, Germany; <sup>4</sup>RESIST Cluster of Excellence, Hannover Medical School, Hannover, Germany

**P11 Is there a Hepatitis Delta Virus variant in West Africa, not detected by current serological diagnostic tests?**

P. Hamouda<sup>1</sup>, A. Gerber<sup>1,2</sup>, A. Ramirez Mena<sup>3</sup>, V. Delagarde<sup>1,2</sup>, B. Wembula Shinga<sup>3</sup>, M. Seydi<sup>3</sup>, N. Fatou Ngom<sup>3</sup>, O. Ndiaye<sup>3</sup>, E. Gordien<sup>1,2</sup>, S. Brichler<sup>1,2</sup>, G. Wandeler<sup>3</sup>, F. Le Gal<sup>1,2</sup>

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**P12 Novel anti-HDV therapies require reliable quantification of plasma HDV RNA: A European multicenter study**

A. Reinhardt<sup>9</sup>, E. Stelzl<sup>12</sup>, J. Kress<sup>3</sup>, A. Olivero<sup>4</sup>, P. Lampertico<sup>5</sup>, A. Heim<sup>6</sup>, S. Aberle<sup>7</sup>, H. Wedemeyer<sup>8</sup>, A. Berger<sup>1</sup>, B. Gey<sup>9</sup>, C. Früchtel<sup>9</sup>, H.H. Kessler<sup>2</sup>

<sup>1</sup>Institute of Medical Virology, Goethe University Frankfurt, Germany; <sup>2</sup>Diagnostic and Research Center for Molecular Biomedicine, Medical University of Graz, Austria; <sup>3</sup>Section of Molecular Virology, Paul-Ehrlich-Institute, Langen, Germany; <sup>4</sup>Gastroenterology and Hepatology Department, "San Giovanni Battista" Hospital and Department of Internal Medicine, University of Torino, Italy; <sup>5</sup>Division of Gastroenterology and Hepatology, Foundation IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy; <sup>6</sup>Hannover Medical School, Institute of Virology, Hannover, Germany; <sup>7</sup>Center for Virology, Medical University of Vienna, Vienna, Austria; <sup>8</sup>Department of Gastroenterology, Hepatology, Infectious Diseases and Endocrinology, Hannover Medical School, Hannover, Germany; <sup>9</sup>Roboscreen GmbH, Leipzig, Germany

**P13 The asymmetry of the liver and spleen stiffness measures between patients with chronic hepatitis B and D reflects important clinic-pathologic differences**

F. Damone<sup>1</sup>, P. Colombo<sup>1</sup>, A. Pinna<sup>1</sup>, G. Ricco<sup>1</sup>, D. Cavallone<sup>1</sup>, G. Petralli<sup>1</sup>, L. De Stefano<sup>2</sup>, B. Coco<sup>1</sup>, L. Surace<sup>1</sup>, V. Romagnoli<sup>1</sup>, F. Oliveri<sup>1</sup>, F. Bonino<sup>3</sup> and M. R. Brunetto<sup>1,2</sup>

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**P14 Diagnostic performances of different HDV RNA quantification assays used in clinical practice in Italy: results from a national quality control multicenter study**

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**P15 Hepatitis Delta Virus RNA quantification: a story about fruitful collaboration between private company and academic laboratory**

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**P16 Clinical evaluation of the Altostar HDV RT-PCR Kit 1.5**

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**P17 Hepatitis Delta infection in individuals living with HIV – multicentric portuguese study**

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**P18 HDV RNA assay sensitivity is critical for determining a correct outcome during Bulevirtide antiviral therapy**

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**P19 Treatment with pegIFNα inhibits cell division-mediated spread of HDV in a humanized mouse model supporting cell proliferation**

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**P20 Chronic delta hepatitis without efficient treatment poses a greater risk for hepatocellular cancer development than chronic hepatitis B with efficient treatment**

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**P21 Complexities of Hepatitis Delta Virus Testing in a High HBV Prevalence Setting in London**

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**P22 High frequency of liver cirrhosis in European patients with hepatitis D: Data from a large multicentre study (D-SOLVE and HDV-1000 consortia)**

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## POSTER AREA 2 - CURRENT AND NEW ANTIVIRAL TREATMENTS

### P23 Bulevirtide for patients with chronic hepatitis d (CHD) in Italy: a multicenter prospective nationwide real-life study (D-SHIELD)

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### P24 Virological and clinical outcomes of patients with HDV-related cirrhosis treated with bulevirtide monotherapy for up to 96 weeks: a multicenter european study (SAVE-D)

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**P25 Bulevirtide monotherapy prevents liver decompensation in patients with hdv-related cirrhosis: a case control study with propensity score weighted analysis**

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**P26 Results From an Integrated Analysis at Week 96: Continued Treatment of Early Virologic Non-responders or Partial Responders With Bulevirtide Monotherapy for Chronic Hepatitis Delta Leads to Improvement in Virologic and Biochemical Responses**

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**P27 Efficacy and Safety of 144 Weeks of Bulevirtide 2 mg or 10 mg Monotherapy From the Ongoing Phase 3 Study MYR301**

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**P28 Forty-Eight-Week Off-Therapy Efficacy and Safety of Bulevirtide in Combination With Pegylated Interferon Alfa-2a in Patients With Chronic Hepatitis Delta: Final Results From the Phase 2b, Open-Label, Randomised, Multicentre Study MYR204**

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**P29 Treatment of chronic hepatitis D with bulevirtide: 1st year report**

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**P30 Bulevirtide monotherapy in patients with compensated cirrhosis and CSPH: a 96-week interim kinetic analysis of real-life setting**

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**P31 Efficacy and safety of tobeviribart (VIR-3434) alone or in combination with elebsiran (VIR-2218) in participants with chronic hepatitis delta virus infection: preliminary results from the Phase 2 SOLSTICE trial in non-cirrhotic and compensated cirrhotic participants**

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**P32 Improvement in Liver Histology Is Observed in Most Patients With Chronic Hepatitis Delta After 48 Weeks of Bulevirtide Monotherapy**

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**P33 Rapid reductions of HDV RNA and ALT with the monoclonal antibody, BJT-778: results from a phase 2 study**

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**P34 Treatment of chronic hepatitis delta with bulevirtide in Portugal: data from a real-life cohort**

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**P35 Detection and characterization of anti-preS1 antibodies in HDV-infected patients under Bulevirtide treatment**

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**P36 Treatment of HDV infection in Solid Organ Transplant with Bulevirtide: a case report**

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**P37 Patient-Reported Outcomes Among Patients With Chronic Hepatitis Delta Treated With Bulevirtide 2 mg: A Long-Term Analysis of the Phase 3 MYR301 Trial at 96 Weeks**

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**P38 Real life experience of HBV/HDV-related compensated cirrhosis treatment in an Italian prison. A case report.**

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**P39 Undetectable HDV RNA at 24 Weeks of Treatment With Bulevirtide and Pegylated Interferon Alfa-2a Combination Therapy Is an Important Predictor of Maintained Response Off-Therapy**

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**P40 Undetectable HDV RNA Defined as Target Not Detected at the End of Treatment With Bulevirtide and/or Pegylated Interferon Alpha-2a Is an Important Predictor of 48 Weeks Sustained Virologic Response in Chronic Hepatitis Delta**

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**P41 High Rates of Adherence to Bulevirtide Monotherapy for Chronic Hepatitis Delta Through 96 Weeks: Results From an Interim Analysis of the Phase 3 Study MYR301**

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**P42 Improvements in Fibrosis and Necroinflammation With Bulevirtide Combined With Pegylated Interferon for Chronic Hepatitis Delta**

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**P43 Efficacy and safety of BLV monotherapy for chronic hepatitis delta: post treatment results through 24 weeks after the end of treatment from an interim analysis of a randomized Phase 3 study MYR301**

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## POSTER AREA 3 - VIROLOGY AND PATHOGENESIS

### P44 HIV-HBV-HDV co-infection. Case presentation.

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### P45 Differential patterns of HBV rna and HBcrAG levels in a large european cross-sectional study of untreated patients with chronic hepatitis delta

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### P46 HELZ2 is an interferon stimulated gene with antiviral properties against Hepatitis Delta Virus

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### P47 Hospitalised Adults With Hepatitis Delta Virus Infection Have Higher Risk of Disease Progression Than Those With Hepatitis B Virus Mono-infection in Italy

P. Lampertico<sup>1,2</sup>, V. Perrone<sup>3</sup>, L. Degli Esposti<sup>3</sup>, M. Leogrande<sup>3</sup>, C. Kim<sup>4</sup>, and M. Rock<sup>4</sup>

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### P48 Baseline characteristics and risk of liver-related events in hepatitis B and C coinfection with and without hepatitis D infection

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### P49 TIGIT-expression on natural killer cell subsets correlate with liver inflammation and bulevirtide treatment response in chronic hepatitis D

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### P50 Adenine Base editing of Hepatitis B surface antigen potently inhibits HDV

A. Kumar<sup>1,2,3</sup>, E. Combe<sup>1,2,3</sup>, E.M. Smekalova<sup>4</sup>, S. Dejene<sup>4</sup>, C-Y. Chen<sup>1</sup>, L. Mougené<sup>1,2,3</sup>, M.G. Martinez<sup>1</sup>, G. Ciaramella<sup>4</sup>, M.S. Packer<sup>4</sup>, B. Testoni<sup>1,2,3</sup>, F. Zoulim<sup>1,2,3,5</sup>

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### P51 Sequence Analysis of the Hepatitis D Virus (HDV) Across Genotypes shows Highly Conserved Regions and Evidence of Recombination

S. Chowdhury<sup>1,2</sup>, C. Jacobsen<sup>1,2</sup>, D. Depledge<sup>2,4,5</sup>, H. Wedemeyer<sup>1,2,3,4</sup>, L. Sandmann<sup>1,2,3</sup> and H. Kefalakes<sup>1,2,3,4</sup>

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**P52 Deciphering the cellular response to IFN treatment in HDV-infected cells**

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**P53 Epidemiology and natural history of chronic hepatitis B and D infections in France from 2013 to 2022**

T. Asselah<sup>1</sup>, V. Loustaud-Ratti<sup>2</sup>, J.P. Bronowicki<sup>3</sup>, E. Maugain<sup>4</sup>, A. Le Blevec<sup>4</sup>, C. Idelovici-Marchal<sup>4</sup>, C. Lacueille<sup>5</sup>, E. Lambourg<sup>5</sup>, S. Larrieu<sup>5</sup>, Charlotte Colombi<sup>4</sup>

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**P54 Healthcare Resource Utilisation and Costs Among Terminal, Hospitalised Adults With Hepatitis Delta Virus or Hepatitis B Virus Monoinfection in Italy**

P. Lampertico<sup>1,2</sup>, V. Perrone<sup>3</sup>, L.D. Esposti<sup>3</sup>, M. Leogrande<sup>3</sup>, C. Kim<sup>4</sup>, M. Rock<sup>4</sup>

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**P55 Rational immunotherapy design for clinical development against HDV using a synthetic DNA-prime and protein-booster strategy**

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**P56 Development of a rapid test for HDV-specific T cell characterization in whole blood**

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**P57 HDV persistence can be independent from the extent of HBV reservoir and can be sustained by HBsAg production mainly derived from HBV-DNA integration**

S. D'Anna<sup>1</sup>, L. Piermatteo<sup>1</sup>, G. Brancaccio<sup>2</sup>, E. Teti<sup>3</sup>, A. Di Lorenzo<sup>3</sup>, I. Grossi<sup>1</sup>, G. Torre<sup>1</sup>, V. Malagnino<sup>3</sup>, M. Iannetta<sup>3</sup>, F. Ceccherini-Silberstein<sup>4</sup>, C. Pasquazzi<sup>5</sup>, U. Cillo<sup>6</sup>, A. Vitale<sup>6</sup>, E. Gringeri<sup>6</sup>, M. Magrofuoco<sup>6</sup>, M. Pacenti<sup>7</sup>, L. Baiocchi<sup>8</sup>, S. Franciosi<sup>8</sup>, I. Lenci<sup>8</sup>, A. Koffas<sup>9</sup>, A.M. Geretti<sup>10</sup>, M. L. Abate<sup>11</sup>, A. Olivero<sup>11</sup>, G. B. Gaeta<sup>12</sup>, L. Sarmati<sup>3</sup>, M. Rizzetto<sup>11</sup>, U. Gill<sup>9</sup>, P. Kennedy<sup>9</sup>, G. P. Caviglia<sup>11</sup>, V. Svicher<sup>1</sup>, R. Salpini<sup>1</sup>

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<sup>12</sup>Infectious Disease Unit, University L. Vanvitelli, Naples, Naples, Italy

**P58 Low expression of circulating liver-enriched miRNAs in anti-HDAg patients in absence of active viral replication.**

M.F. Cortese<sup>1,2</sup>, J. Pérez Garreta<sup>1</sup>, B. Pacín Ruiz<sup>1</sup>, A. Palom<sup>2,4</sup>, D. Tabernero<sup>1,2</sup>, A. Rando Segura<sup>1,2,4</sup>, E. Vargas Accarino<sup>2,3</sup>, J.C. Ruiz Cobo<sup>2,3</sup>, M. Riveiro Barciela<sup>2,3,5</sup>, M. Buti<sup>2,3,5</sup>

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**P59 Real world patient profile for individuals with hepatitis delta virus infection treated with bulevirtide 2mg in Europe**

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Gilead Sciences, Foster City, CA, USA

**P60 High diversity of the TCR repertoire in hepatitis delta virus patients with undetectable viral RNA**

M.F. Cortese<sup>1,2</sup>, A. Palom<sup>2,3</sup>, B. Pacín Ruiz<sup>1,2</sup>, F. Rudilla<sup>4,4</sup>, E. Enrich Randé<sup>4,5</sup>, M. Antón Iborra<sup>5</sup>, J.C. Ruiz-Cobo<sup>2,3</sup>, D. Tabernero<sup>1,2,6</sup>, M. Riveiro Barciela<sup>3,7</sup>, A. Rando-Segura<sup>1,2,8,9</sup>, M.J. Herrero<sup>4,5</sup>, M. Buti<sup>2,3,7</sup>

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**P61 Dichotomy between HBcrAg and pre-genomic HBV RNA in relation to HDV RNA response in patients with chronic hepatitis delta during bulevirtide treatment**

Z. Cargill<sup>1</sup>, M. Andreson<sup>2</sup>, J. Lok<sup>1</sup>, S. Shah<sup>1</sup>, G. Cloherty<sup>2</sup>, G. Dusheiko<sup>1</sup>, K. Agarwal<sup>1</sup>, I. Carey<sup>1</sup>

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**P62 Plasma pre-S1 HBsAg levels during antiviral therapy with Bulevirtide in chronic hepatitis delta patients – any help in predicting response to therapy?**

Z. Cargill<sup>1</sup>, M. Anderson<sup>2</sup>, J. Lok<sup>1</sup>, S. Shah<sup>1</sup>, G. Cloherty<sup>2</sup>, G. Dusheiko<sup>1</sup>, K. Agarwal<sup>1</sup>, I. Carey<sup>1</sup>

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**P63 HDV co-infection and HCV eradication in persons with HIV (PWH): data from the ICONA cohort**

A. Tavelli<sup>1</sup>, R. Rossotti<sup>2</sup>, V. Malagnino<sup>3</sup>, V. Svicher<sup>4</sup>, E Quiros-Roldan<sup>5</sup>, A. Bandera<sup>6</sup>, F.M. Fusco<sup>7</sup>, M. Rivano Capparuccia<sup>8</sup>, G.B. Gaeta<sup>9</sup>, A. Antinori<sup>10</sup>, M. Puoti<sup>2</sup>, A d'Arminio Monforte<sup>1</sup>

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**P64 Role of intrahepatic HDV reservoir in potentially modulating response to bulevirtide treatment at 24 weeks.**

A. Di Lorenzo<sup>1,2</sup>, S. D'Anna<sup>3</sup>, D. Kontogiannis<sup>2</sup>, C. Sorace<sup>2</sup>, A. Crea<sup>2</sup>, E. Teti<sup>2</sup>, V. Malagnino<sup>2</sup>, L. Piermatteo<sup>3</sup>, I. Grossi<sup>3</sup>, C. Castelli<sup>3</sup>, M. Nezzo<sup>4</sup>, B. Carreri<sup>4</sup>, A.M. Geretti<sup>1,2</sup>, V. Svicher<sup>3</sup>, R. Salpini<sup>3</sup>, L. Sarmati<sup>1,2</sup>

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**P65 Integrative transcriptomics and epigenomics reveals a viral footprint of chronic HDV infection in HBV co-infected chimeric livers**

Y. Simanjuntak<sup>1</sup>, T.F. Baumert<sup>1,2,3,4</sup>, J. Lupberger<sup>1</sup> and the D-Solve consortium

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**P66 Adaptive immunity may drive treatment outcome of pegylated IFN alpha in patients with chronic hepatitis D**

M. Amin<sup>1,2</sup>, L. Sandmann<sup>1,2,3,4</sup>, B. Bremer<sup>1</sup>, H. Wedemeyer<sup>1,2,3,4</sup> and H. Kefalakes<sup>1,2,3,4</sup> on behalf of the HIDIT-II study group

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