Mario U Mondelli, MD PhD FRCP

Professor of Infectious Diseases

University of Pavia and

Fondazione IRCCS Policlinico San Matteo

CURRICULUM VITÆ

Autorizzo il trattamento dei dati ai sensi della legge 196/2003 e dell'esperienza di studi clinici in GCP.

1. Personal Details:

Date of birth:	May 29, 1954
Place of birth:	Milan, Italy
Nationality:	Italian
Marital Status:	Married, three children
Fiscal Code:	MND MMB 54E29 F205L

Present appointment: Professor of Infectious Diseases, Department of Internal Medicine, University of Pavia, and Director, Research Laboratories, Department of Infectious Diseases, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy. Honorary Consultant Physician, Fondazione IRCCS Policlinico San Matteo.

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2. Education/Qualifications:

University: Medicine and Surgery – University of Milan, Italy (1972-1978)
Graduated as Medical Doctor *summa cum laude*.

Registered Specialist (I): Gastroenterology (1982)
Allergy and Clinical Immunology (1991)

Postgraduate Qualifications:

i) Board Certificate for Specialist in Gastroenterology (1978-1982) This four-year period involved 4 to 6 months rotations through all subspecialties of Gastroenterology, yearly assessments and a final examination (*summa cum laude*).

ii) Board Certificate for Specialist in Allergy and Clinical Immunology (1988-1991). Training focused specifically on allergic and autoimmune diseases, yearly assessments and a final examination.

Postgraduate Research Training: Fellowships from The Rusconi Foundation, The National Research Council (Italy), and The Cystic Fibrosis Research Trust

(UK) for research projects in viral hepatitis and liver disease in children with cystic fibrosis all held at the Liver Unit, King's College School of Medicine & Dentistry, London between:
May 1980 – September 1984.

John E. Fogarty International Research Fellowship from the US Public Health Service and Visiting Investigator, Department of Molecular and Experimental Medicine, Research Institute of Scripps Clinic, Scripps Clinic and Research Foundation, La Jolla, California, USA.
i)January 1986 – September 1987
ii) June 1988 – December 1988

Scientific degree: PhD (1988), University of Pavia, Italy.
Thesis: " Immune responses to hepatitis B virus".

3. Professional History:

2001 – Current	Professor of Infectious Diseases, Department of Internal Medicine, University of Pavia, and Honorary Consultant, Department of Infectious Diseases, Fondazione IRCCS Policlinico San Matteo, Italy
1997 – Current	Director, Research Laboratories, Departement of Infectious Diseases, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy
1992 – 2001	Associate Professor of Infectious Diseases, University of Pavia, Italy. Honorary Senior Registrar (1992-1995) and Honorary Consultant (1996-2001), Infectious Diseases, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy.
1989 – 1991	Senior Research Fellow & Honorary Senior Registrar, Institute of Infectious Diseases, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy.
1986 - 1988	Research Fellow, Department of Molecular and Experimental Medicine, Research Institute of Scripps Clinic, Scripps Clinic and Research Foundation, La Jolla, California, USA.
1985	Clinical Fellow, Infectious Disease Clinic, Fondazione IRCCS Policlinico San Matteo, Pavia, Italy *(equivalent to Registrar grade)*

1982 - 1984	Cystic Fibrosis Research Trust Fellow & Honorary Registrar, Liver Unit, King's College School of Medicine & Dentistry, London
1980 - 1982	Research Fellow, Liver Unit, King's College School of Medicine & Dentistry, London
1978 - 1979	Senior House Officer, Maggiore Hospital, University of Milan.

4. Other Appointments and Affiliations:

Society Memberships:

Società Italiana di Malattie Infettive e Tropicali.
New York Academy of Sciences.
American Association of Immunologists.
American Society for Microbiology.
Associazione Italiana per lo Studio del Fegato.
European Association for the Study of the Liver (EASL)
(*Member of EASL Scientific Committee, 1994-1999)*
American Association for the Study of Liver Diseases.
International Association for the Study of the Liver (IASL)

Membership of Editorial Boards:

Journal of Hepatology (1991–1999)
Digestive and Liver Disease (2001–2004)
Journal of Hepatology, *Associate Editor (1999–2004)*
Journal of Hepatology*, Co-Editor (2005–2009)*
European Journal of Clinical Investigation, *Associate Editor, (2010-current)*

Honours:

1995-97: Scientific Secretary, European Association for the Study of the Liver (EASL).
1997-99: Administrative Secretary, EASL.
1995-00: Council Member, United European Gastroenterology Federation (UEGF).
1999: Vice-Chairman, UEGF.
2000: Chairman, UEGF.
1996-2000: Councillor, International Association for the Study of the Liver (IASL).
2004-current: Council Member, European Union of Specialist Physicians, Section of Infectious Diseases (UEMS-ID).
2009-current: President, European Union of Medical Specialists, Section of Infectious Diseases (UEMS-ID).
2009. Fellow of the Royal College of Physicians (FRCP).
2012: President, International Association for the Study of the Liver (IASL).

Reviewer for the following journals: Gastroenterology, Hepatology, Journal of Hepatology, Journal of Infectious Diseases, Liver International, Clinical Infectious Diseases, Digestive and Liver Disease, Digestive Diseases and Sciences, Infection, Hybridoma, European Journal of Clinical Investigation, Journal of Clinical Microbiology, Haematologica, Journal of Viral Hepatitis, Journal of Virology, Journal of Medical Virology, Digestion, Journal of Clinical Investigation, PLoS Pathogens, PLoS One, Science Translational Medicine, JAIDS.

Reviewer for the following granting bodies or institutions: European Union, Biomed 3, The Italian Ministry of Health, The Italian Ministry of Education, University and Research, The Israel Science Foundation, The Health Research Board of Ireland, The Wellcome Trust, U.K., Institut Pasteur, France, Hadassah University, Jerusalem, Israel, the Singapore Institute for Clinical Sciences

5. Selected invited lectures

1) **Mondelli MU**. Cell-mediated immunity to HBV proteins. The Liver Unit, King's College Hospital, London, 1988.

2) **Mondelli MU**. Recent approaches to the analysis of the role of T cells in HBV infection. 7th International Congress of Immunology, Berlin, 1989.

3) **Mondelli MU**. Experimental models for the pathogenesis of HBV in man. President's premeeting, XLIV Meeting of the German Society of Gastroenterology, Mainz, 1989.

4) **Mondelli MU**. The cellular basis of the immune response to hepatitis B virus in man. Division of Molecular Virology, Baylor College of Medicine, Houston, 1990.

5) **Mondelli MU**. Significance and specificity of the immune response to HCV. Liver Disease in the 1990's, 25th anniversary scientific meeting. Institute of Liver Studies, King's College School of Medicine and Dentistry, London,1991.

6) **Mondelli MU**. B-cell epitopes on hepatitis C virus. Abteilung Gastroenterologie und Hepatologie, Medizinische Hochschule, Hannover,1992.

7) **Mondelli MU**. B-cell response to hepatitis C virus. Falk Symposium No. 70: Immunology and Liver, Basel Liver Week 1992, 1992.

8) **Mondelli MU**. Immune responses in hepatitis C. Annual Meeting of the Irish Society for Immunology. Dublin 1992.

9) **Mondelli MU**. ***Selected posters discussant*.** XXVIII Meeting of the European Association for the Study of the Liver, Paris,1993.

10) **Mondelli MU**. Production and characterization of human monoclonal antibodies to hepatitis C virus. Meeting on "Biotechnology - a potent tool for basic research". Cooperation of Coimbra Group Universities, Bologna,1995.

11) **Mondelli MU**. Significance and specificity of the antibody response to hepatitis C virus. Liver Unit, Hadassah University Hospital, Jerusalem 1996.

12) **Mondelli MU**, Perrillo RP. Breakfast session: "The clinical significance of virus-specific immune response". IX Triennial Symposium on Viral Hepatitis and Liver Disease, Roma,1996.

13) **Mondelli MU**. Role of the immune system in liver damage. 2nd EASL Postgraduate Course on "Viral and immune liver damage", Szczecin, Poland, 1996.

14) **Mondelli MU**. HCV humoral immune response. Workshop: "HCV and host response before and after liver transplantation", Göttingen, 1996.

15) **Mondelli MU**. Viral heterogeneity and outcome of hepatitis C. Eli Lilly and Co., Indianapolis, IN, USA,1997.

16) **Mondelli MU**. Is Hepatitis G virus a problem in paediatric hepatology? International Meeting on Paediatric Hepatology. Chronic Viral Hepatitis in Childhood: Natural History and Interferon Treatment. Sorrento, Italy, 1997.

17) **Mondelli MU**. Influence of viral heterogeneity on the outcome of hepatitis C. XIV Meeting of the Turkish Society of Gastroenterology, Mersin, Turkey, 1997.

18) **Mondelli MU**. Invited co-chairman/organiser and speaker at the Symposium "Hepatitis 1997", 6th United European Gastroenterology Week, Birmingham, 1997.

19) **Mondelli MU**. Immune response to HCV: Hepatitis C: Leading-Edge Scientific and Clinical Advances, Montecarlo, Monaco, 1998.

20) **Mondelli MU**. Immunopathogenesis of Viral Hepatitis: EASL Postgraduate Course & First Hepatology Day, Istanbul, 1998.

21) **Mondelli MU.** Immune responses to HCV and viral heterogeneity. Immunology in liver disease: basis for present and future therapy. 11th World Congress of Gastroenterology. Vienna, 1998.

22) **Mondelli MU**. Natural history of viral hepatitis. 1st Mediterannean Summer School, Samos, Greece, 21-24, 1998.

23) **MU Mondelli**. Clinical implications of viral genotypes. EASL International Consensus Conference on Hepatitis C. Paris, France, 1999.

24) **Mondelli MU**. Does the immune response play a role in the selection of HCV variants? IX International Symposium on viral hepatitis. Madrid, 2000.

25) **Mondelli MU**. HCV Immunology. "Optimizing the treatment of HCV". Schering-Plough Symposium, Madrid, 2000.

26) **Mondelli MU**. Significance of hepatitis C virus genotypes and variants. 8th United European Gastroenterology Week, Brussels, 2000.

27) **MU Mondelli**. Immune response and HCV variability. Invited seminar. Istituto di Ricerche in Biomedicina, Bellinzona, Switzerland, 2002.

28) **MU Mondelli**. HCV variability and antiviral immune response. 2002 International Symposium on Liver Diseases Progress, Chongqing, China, 2002.

29) **MU Mondelli**. Mechanism of the liver disease induced by HCV. Course "Hepatitis C virus infection", Valencia, Spain, 2002.

30) **MU Mondelli**. How the host fights HCV: the immunologist's point of view. 10th United European Gastroenterology Week, Geneva, Switzerland, 2002.

31) **MU Mondelli**. Variability or conservation of the hepatitis C virus hypervariable region 1? X International Symposium on Viral Hepatitis, Madrid, 2003.

32) **MU Mondelli.** Regulatory cell subsets involved in immunotolerance and immunosuppression. III International Symposium on Immunology and the Liver: Immunotherapy. Madrid, 2004.

33) **MU Mondelli.** Effects of immunosuppressive drugs on HCV and HBV. 10th International Meeting of French Study Group on Molecular Hepatology (GEMHEP), 2005.

34) **MU Mondelli.** Antiviral + immunodulatory agents. EASL Monothematic Conference: from Viral Pathobiology to the Treatment of Hepatitis B Virus Infection. Istanbul, 2005.

35) **MU Mondelli.** Predictors of disease severity: HCV. European Association for the Study of the Liver School of Hepatology, Milan, 2005.

36) **MU Mondelli**. Linking viral infections to autoimmunity: B-cell activation in chronic hepatitis C. IV International Meeting on Immunology and the Liver: Inflammation, Repair and Therapies, Madrid, Spain, 2006.

37) **MU Mondelli**. B cells. EASL Monothematic Conference: Clinical Immunology in Viral Hepatitis, London, 2006.

38) **MU Mondelli**. Immune response to HCV. IX International Symposium on Viral Hepatitis, Barcelona 20-21 June 2008.

39) **MU Mondelli**. Innate and adaptive immune responses in viral hepatitis: phenotypic changes and altered function of NK and B cells. Meeting with Johns Hopkins and San Matteo, July 8-9, 2010.

40) **MU Mondelli.** NK cells in hepatic infections. Workshop SIICA: Innate immunity in the pathogenesis of immune-mediated human diseases. Milan, Italy, November 3-4, 2010.

41) **MU Mondelli**. Immunopathogenesis of hepatitis C virus infection. Deutsche Gesellschaft für Immunologie. Riccione, Italy, October 1, 2011.

42) **MU Mondelli**. The Role of B Cells in Liver Disease and Autoimmunity. Hepatology 2011 and Beyond, Hannover, 12/2/2011.

43) **MU Mondelli.** Innate immunity and hepatitis C virus. Jikei University, Tokyo, Japan, 7/9/2012.

44) **MU Mondelli.** Natural Killer Cell in Chronic Hepatitis B and Chronic Hepatitis C Virus Infections. AISF-SIICA Joint meeting: Liver Immunology. 5-7/12/2012.

Ongoing International collaborations:

Prof. Nikolai Naoumov, Novartis Pharma, Basel, CH.
Dr. Frank Chisari, Research Institute of Scripps Clinic, La Jolla, CA, USA
Dr. Søren Nielsen, Prof Maggie Bassendine, University of Newcastle, UK
Professor Michael Manns, Hannover, D.
Professor Salim Khakoo, University of Southampton, UK.
Professor Francesco Negro, University of Geneva, CH.
Professor Jacki Kornbluth, St. Louis University, MO, USA.
Professor Dieter Glebe, University of Giessen, D.

6. Academic supervision

During the 20 years of my academic career I have supervised several medical students and scientists to obtain MSc, MD and PhD degrees in their research projects leading to development of a thesis. This is part of my academic commitments which can be verified through the offices of the University of Pavia.

7. Teaching activities

As a full professor of infectious diseases I have teaching commitments to undergraduate and graduate students and meetings in the Medical School, Faculty of Medicine of the University of Pavia for no less than 350 hours per year. These include formal teaching and tutorials. I also supervise trainees in infectious diseases, microbiology, tropical medicine, gastroenterology and internal medicine and I participate in the annual assessment of students. I have been responsible for the organisation of tutorials for the Medical Faculty from 2000 to 2002. I am the clinical coordinator of the newly created biotechnology course with teaching commitments also there. This activity accounts for approximately 20% of my time. I am President of the Infectious Diseases Section of the European Union of Medical Specialists (UEMS-ID) the mission of which is to harmonise higher specialist training in infectious diseases in Europe through the preparation of a curriculum, on training and final assessments.

8. Clinical Commitments

My current appointment as Honorary Consultant Physician in Infectious Diseases and Head of the Centre of Hepatology at Fondazione IRCCS Policlinico San Matteo, Pavia, Italy entails three NHS clinics every week, a General Infectious Diseases Clinic and two dedicated General Hepatology and Hepatitis Clinic. Clinical commitments are predominantly concentrated on outpatients' care although I also do ward rounds on a rotation basis supervising the work of junior staff members for a total of approximately 25% of my time. The medical staff, which is also involved in clinical microbiology consultations, consists of 4 specialist registrars. I have introduced and established up-to date management protocols for patients with viral hepatitis within Fondazione IRCCS Policlinico San Matteo. This includes the use of the most advanced therapies and the organization of phase 1B to 4 clinical trials.
In addition, as a Director of the Research and Diagnostic Laboratories I am responsible of 4 staff scientists and 3 technicians. Other laboratory personnel include 1 Scientist/Laboratory Manager, 4 MSc and 1 technician with non-tenured contracts paid by research grants. I also have one full-time personal assistant with extensive editorial training and account keeping experience.

9. Enabling activity:

In my capacity of Director of the Infectious Diseases Research Laboratories I am actively involved in the organization and planning of research in this area and preparing reports for the Ministry of Health. I have power of administration and allocation of research funds for Infectious Diseases within our institution which was declared by the Italian Ministry of Health a major research interest of Fondazione IRCCS Policlinico San Matteo which is part of the Italian network of Centers of Excellence. After my return from the US in the late 1980's I played a major role in establishing the hospital both at national and international levels as a tertiary referral center for liver diseases. I have been an active member of the Scientific Committee of the Fondazione IRCCS Policlinico San Matteo evaluating intramural and extramural research projects (1997-2006). I have contributed to the development of clinical hepatology within the hospital providing up-dated guidelines for patients' management. I am an advisory member of the Institutional Review Board of my hospital and an active member of the council of consultants, Fondazione IRCCS Policlinico San Matteo. I am a member of a hospital specialist panel for hepato-pancreatic tumors. I am directing a newly created (2011) Tertiary Referral Centre of Hepatology within Fondazione IRCCS Policlinico San Matteo.

10. Research Interests:

My research work focused predominantly on viral hepatitis. The specific aims are to define the mechanisms of host immune control of hepatitis B virus (HBV) and hepatitis C virus (HCV) replication and the pathogenesis of liver damage triggered by these viruses. By combining a strong personal involvement in laboratory science (molecular biology and immunology in particular), together with clinical management of patients, my research projects have moved from bedside to bench and back again. Currently, I am head of the Research Laboratories in the Department of Infectious Diseases, Fondazione IRCCS Policlinico San Matteo and Full Professor of Infectious Diseases in the Department of Internal Medicine of the University of Pavia.
My laboratory research group has a longstanding tradition of research into immunopathogenetic mechanisms of viral hepatitis, particularly HCV, and more specifically on antibody responses to

viral proteins and their role in exerting selective pressure to generate virus variants. A seminal work along these lines also led to the demonstration that humoral immune responses to several hypervariable region 1 variants of the HCV E2 region is independent from the primary sequence and only apparently cross-reactive. My group was also the first to produce human monoclonal antibodies specific for HCV proteins from immortalised patients' B cells. Such valuable reagents have been distributed over the years in several laboratories around the world and, following a specific request, they have been donated to the US National Institutes of Health Repository for HCV Reagents. In collaboration with the University of Giessen my laboratory staff has also generated a panel of human monoclonal antibodies specific for the HBV envelope proteins. One of these mAbs shows strong HBV neutralizing activity and a patent application will be filed in the near future.

The group has also been productively collaborating with others on fine mechanisms of immune regulation in HCV infection and contributed to clarify the role of liver-infiltrating, IL-10 secreting regulatory CD8+ T cells in chronic HCV infection. More recently, the immunological interests of my group focused on mechanisms of B-cell activation in HCV infection in which a polyclonal B-cell response is typically demonstrable and may lead to oligoclonal and monoclonal lymphoproliferative disorders, such as cryoglobulinaemia and non-Hodgkin lymphomas, respectively. Along these lines, we have recently analysed the HVR1 region and in a proportion of patients the entire HCV E2 gene in subjects with symptomatic and asymptomatic mixed cryoglobulinaemia looking at mutations and/or deletions to define disease-specific motifs using a bioinformatics approach. The rationale was that the B-cell activation threshold in these patients can be significantly lowered by interaction of the E2 envelope protein with CD81, and it is possible that anomalous activation may occur as a result of the interaction of this tetraspanin with specific amino acid motifs within the viral envelope protein. After examining more than 1600 clones and the fraction of non-redundant E2/HVR1 sequences we found no associations with envelope gene mutations, indicating that the emergence of oligo-monoclonal B cell proliferation characteristic of cryoglobulinaemia results from host rather than viral factors. The E2/HVR1 sequence database is the largest of its kind analysed thus far and has been deposited in the NCBI GenBank.

A recent major developing interest of my group is the phenotypic and functional analysis of natural killer (NK) cells, as representative cells of innate immune responses, in several clinical conditions including liver transplantation and autoimmune liver disease. Several new techniques exploring NK cell function have been developed and new, non-commercial monoclonal antibodies specific for NK cell inhibitory and activating receptor molecules are being used for phenotypic and functional characterisation of these cells. A major defect in NK cell function has been described in chronic HCV infection which results in a dichotomous response characterized by a conserved cytolytic function and a deficient cytokine secretion. We have built upon this data by characterizing the phenotype and function of liver-infiltrating NK cells and showed that intrahepatic NK cells have an exhausted profile, contributing to the inability to clear HCV infection. Moreover, looking at the translational side of these basic immunological observations, we have recently identified NK phenotypic and functional features that are associated with response to standard of care treatment in chronic hepatitis C which are distinct from *IL28B* polymorphism.

In addition to investigating basic pathogenetic mechanisms of viral liver disease, I have coordinated one of the first clinical trials investigating the efficacy and tolerability of pegylated interferon α2b compared with standard interferon α2b in the treatment of patients with chronic HCV infection which established the superiority of the former over the latter using a non-weight-based flat dose schedule. This has been defined as one of the very few independent "good quality" clinical trials in patients with chronic hepatitis C by the Cochrane Hepatobiliary Group and was presented as such at the International Meeting on Viral Hepatitis and Liver Disease in Paris in 2006. Several corollary findings to the actual trial were subsequently described,

including the superiority of sensitive qualitative HCV RNA assays, such as TMA, in identifying patients relapsing after discontinuation of treatment and the influence of insulin resistance/metabolic syndrome on treatment responses. Moreover, I have coordinated a long-term prospective cohort study to establish whether specific hepatitis C virus (HCV) genotypes were associated with different risks of hepatocellular carcinoma (HCC). Recruitment of 163 consecutive HCV RNA positive cirrhotic patients was commenced in 1989 and completed one year later. After a 17 year-follow-up, it was clear that HCV genotype 1b was strongly associated with tumor development suggesting that patients infected with this genotype require a more intensive clinical surveillance for early detection and aggressive management of neoplasia. I hope that after publication of the updated findings initially described in 1997 this recommendation will eventually be adopted in clinical practice.
The recognition of my research profile, both nationally and internationally, is evident from the list of publications and invited lectures in Europe, Asia, and USA and a wide range of international scientific collaborations. I have extensive international experience having served in a variety of scientific committees in prominent positions. I have participated in numerous expert panels and advisory boards.

LIST OF PUBLICATIONS. Impact Factor: 751.18. H-index: 43. Citations: 5851.

A) ORIGINAL (PEER REVIEWED) ARTICLES

1) Eddleston ALWF, **Mondelli M**, Mieli-Vergani G, Williams R. Lymphocyte cytotoxicity to autologous hepatocytes in chronic hepatitis B virus infection. *Hepatology 1982;2:122S-7S*.

2) **Mondelli M**, Mieli-Vergani G, Alberti A, Vergani D, Portmann B, Eddleston ALWF, Williams R. Specificity of T-lymphocyte cytotoxicity to autologous hepatocytes in chronic hepatitis B virus infection: evidence that T cells are directed against HBV core antigen expressed on hepatocytes. *J Immunol 1982;129:2773-8.*

3) Naumov NV, **Mondelli M**, Alexander GJM, Tedder RS, Eddleston ALWF, Williams R. Relationship between expression of HBV antigens in isolated hepatocytes and autologous lymphocyte cytotoxicity in patients with chronic HBV infection. *Hepatology 1984;4:63-8.*

4) **Mondelli M**, Mieli-Vergani G, Eddleston ALWF, Williams R, Mowat AP. Lymphocyte cytotoxicity to autologous hepatocytes in α_1- antitrypsin deficiency. *Gut 1984;25:1044-9.*

5) Bianchi PA, **Mondelli M**, Quarto di Palo F, Ranzi T. Cyclosporin for Crohn's disease. *Lancet 1984;i:1242 (letter)*.

6) **Mondelli M**, Mieli-Vergani G, Bortolotti F, Cadrobbi P, Portmann B, Alberti A, Realdi G, Eddleston ALWF, Mowat AP. Different mechanisms responsible for cell-mediated cytotoxicity to autologous hepatocytes in children with autoimmune and HBsAg positive chronic liver disease. *J Pediatr 1985;106:899-906.*

7) **Mondelli M**, Alberti A, Tremolada F, Williams R, Eddleston ALWF, Realdi G. In vitro cell-mediated cytotoxicity for autologous liver cells in chronic non-A, non-B hepatitis. *Clin Exp Immunol 1986;63:147-55*.

8) Alexander GJM, **Mondelli M**, Naumov NV, Nouri-Aria KT, Lowes D, Vergani D, Eddleston ALWF, Williams R. Functional characterization of peripheral blood mononuclear cells in chronic hepatitis B. *Clin Exp Immunol 1986;63:498-507*.

9) Chemello L, **Mondelli M**, Bortolotti F, Schiavon E, Pontisso P, Alberti A, Rondanelli EG, Realdi G. Natural killer activity in acute viral hepatitis. *Clin Exp Immunol 1986;64:59-64*.

10) **Mondelli M**, Alberti A, Rondanelli EG, Realdi G, Eddleston ALWF. α-interferon enhances non-T cell cytotoxicity for autologous hepatocytes in acute and chronic HBV infection. *J Hepatol 1986;3:S279-S281*.

11) **Mondelli M**, Tedder RS, Ferns B, Pontisso P, Realdi G, Alberti A. Differential distribution of hepatitis B core and e antigens in hepatocytes: analysis by monoclonal antibodies. *Hepatology 1986;6:199-204*.

12) **Mondelli MU**, Alberti A, Realdi G, Rondanelli EG. In vitro effect of lymphoblastoid α-interferon on subpopulations of effector cells mediating cytotoxicity for autologous hepatocytes in hepatitis B and non-A, non-B. *Int J Immunopharmac 1986;8:887- 91*.

13) **Mondelli MU**, Bortolotti F, Pontisso P, Rondanelli EG, Williams R, Realdi G, Alberti A, Eddleston ALWF. Definition of hepatitis B virus (HBV)-specific target antigens recognized by cytotoxic T cells in acute HBV infection. *Clin Exp Immunol 1987;68:242-50.*

14) Ferrari C, **Mondelli MU**, Penna A, Fiaccadori F, Chisari FV. Functional characterization of cloned intrahepatic, hepatitis B virus nucleoprotein-specific helper T-cell lines. *J Immunol 1987;139:539-44.*

15) Vergani D, Mieli-Vergani G, **Mondelli M**, Portmann B, Eddleston ALWF. Immunoglobulin on the surface of isolated hepatocytes is associated with antibody-dependent cell-mediated cytotoxicity and liver damage. *Liver 1987;7:307-15*.

16) Ceroni M, Minoli L, Di Perri G, Senaldi G, Marone P, Achilli G, **Mondelli MU**, Camana C. Detection of HTLV-III specific IgG in the CSF from a patient with AIDS and encephalitis. *Neurology 1988;38:143-4*.

17) Ferrari C, Chisari FV, Ribera E, Penna A, **Mondelli MU**. Functional modulation of hepatitis B core antigen-specific T lymphocytes by an autoreactive T cell clone. *J Immunol 1988;141:1155-60*.

18) Raney AK, Milich DR, Hughes JL, Sorge J, Chisari FV, **Mondelli MU**, McLachlan A. Retroviral-mediated transfer and expression of hepatitis B e antigen in human skin fibroblasts and Epstein-Barr virus-transformed B lymphocytes. *Virology 1989;168:31-9*.

19) **Mondelli MU**, Barbarini G, Carugno B, Rondanelli EG. Absence of antibodies to human immunodeficiency virus in long-term institutionalized psychiatric patients. *Eur J Epidemiol 1989;5:263-4 (letter).*

20) Dussaix E, Maggiore G, De Giacomo C, **Mondelli M**, Martres P, Alvarez F. Autoimmune hepatitis in children and hepatitis C virus testing. *Lancet 1990;335:1160-1 (letter).*

21) **Mondelli MU**, Cristina G, Filice G, Rondanelli EG, Piazza V, Barbieri C. Anti-HCV positive patients in dialysis units? *Lancet 1990;336:244* (letter).

22) **Mondelli MU**. Effect of interleukin-4 on cytolytic T cells. *Int J Immunopathol Pharmacol 1991;4:39-45.*

23) **Mondelli MU**, Smedile V, Piazza V, Villa G, Barbieri C, Gattarello G, Mancini F, Raimondo G. Abnormal alanine aminotransferase activity reflects exposure to hepatitis C virus in haemodialysis patients. *Nephrol Dial Transplant 1991;6:480-3*.

24) Cerino A, **Mondelli MU**. Identification of an immunodominant B-cell epitope on the hepatitis C virus non structural region defined by human monoclonal antibodies. *J Immunol 1991;147:2692- 6.*

25) **Mondelli MU**, Cristina G, Piazza V, Cerino A, Villa G, Salvadeo A. High prevalence of antibodies to hepatitis C virus in haemodialysis units using a 2nd generation assay. *Nephron 1992;61:350-1*.

26) de Lalla C, Cerino A, Rosa C, Griva S, Bonelli F, **Mondelli MU**. Properties of a human monoclonal antibody specific for the hepatitis C virus NS4 region. *J Hepatol 1993;18:163-7*.

27) Maccabruni A, Caselli D, **Mondelli M**, Degioanni M, Cerino A. Vertical transmission of hepatitis C virus and HIV. *AIDS 1993;7:1024-5* (*letter*).

28) Silini E, Bono F, Cerino A, Piazza V, Solcia E, **Mondelli MU**. Virological features of HCV infection in hemodialysis patients. *J Clin Microbiol 1993;31:2913-7.*

29) Cerino A, Boender P, Rosa C, La Monica N, Habets W, **Mondelli MU**. A human monoclonal antibody specific for the N-terminus of hepatitis C virus nucleocapsid protein. *J Immunol 1993;151:7005-15.*

30) González-Peralta RP, Fang JWS, Davis GL, Gish R, Tsukiyama-Kohara K, Kohara M, **Mondelli MU**, Lesniewski R, Phillips MI, Mizokami M, Lau JYN. Optimization for the detection of hepatitis C virus (HCV) antigens in the liver. *J Hepatol 1994;20:143-7*.

31) **Mondelli MU**, Cerino A, Boender P, Oudshoorn P, Middeldorp J, Fipaldini C, La Monica N, Habets W. Significance of the immune response to a major, conformational B cell epitope on the hepatitis C virus NS3 region defined by a human monoclonal antibody. *J Virol 1994;68:4829-36*.

32) **Mondelli MU**, Cerino A, Bono F, Cividini A, Malfitano A, Maccabruni A, Barbarini G, Aricò M, Piazza V, Minoli L, Silini E. Hepatitis C virus (HCV) core serotypes in chronic HCV infection. *J Clin Microbiol 1994;32:2523-7.*

33) Aricò M, Maggiore G, Silini E, Bono F, Viganò C, Cerino A, **Mondelli MU**. Hepatitis C virus infection in children treated for acute lymphoblastic leukemia. *Blood 1994;84:2919-22.*

34) Silini E, Bono F, Cividini A, Cerino A, Bruno S, Rossi S, Belloni G, Brugnetti B, Civardi E, Salvaneschi L, **Mondelli MU**. Differential distribution of hepatitis C virus genotypes in patients with and without liver function abnormalities. *Hepatology 1995;21:285-90.*

35) Maggiore G, Ventura A, De Giacomo C, Silini E, Cerino A, **Mondelli MU**. Vertical transmission of hepatitis C. *Lancet 1995;345:1122* (*letter*).

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