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Active Projects:

Translational:

- Host-viral interactions in Hepatitis C and Hepatitis B infection. These projects evaluate clinical outcomes and the role of inflammatory cytokines and their receptors using DNA polymorphism analysis and mRNA gene profiling. We will assess the effect of the host response in induction of disease and response to therapy including the effect of alcohol and HIV co-infection

Clinical:

- Clinical studies in the role of alcohol in Hepatitis C infection
- Co-infection of HIV patients with Hepatitis B and C
- the role of liver disease in HIV infection

These studies evaluate outcome and response to therapy.

Techniques in Use:

- *Laboratory studies:* molecular techniques including DNA preparation; analysis of gene expression at the protein and mRNA level; cell culture techniques of human mononuclear cells including cell isolation, cytokine and immune functional analyses; cellular immunology techniques.
- *Clinical studies:* Design of clinical studies, data /statistical analyses and manuscript preparation.

Education

- 1966-72 M.B.B.S. Melbourne University Medical School, Melbourne University, Australia
- 1969-72 St. Vincent's Hospital, Melbourne, Australia

Graduate:

- 1991 M.D. Thesis, University of Melbourne, Australia. "Human B cell function and the role of Cytokines"

Training

- 1973-76 Resident and Registrar in Internal Medicine, St. Vincent's Hospital, Melbourne, Australia
- 1976-77 Clinical Research Registrar to Dr. I. R. Mackay, Royal Melbourne Hospital and The Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia
- 1977-78 Gastroenterology Registrar, St. Vincent's Hospital, Melbourne, Australia

- 1978-80 Clinical Research Fellow in Hepatology to Dr. T. B. Reynolds, University of Southern California, Los Angeles, CA
- 1980-83 Visiting Fogarty Fellow to Dr. A.S. Fauci, Laboratory of Immunoregulation, National Institute of Allergy and Infectious Disease, NIH, Bethesda, MD
- 1983-85 Visiting Staff Fellow to Liver Diseases Section, National Institute of Arthritis, Diabetes and Digestive and Kidney Diseases, NIH, Bethesda, MD

Certification

- 1972 E.C.F.M.G.
- 1978 Visa Qualifying Examination (VQE)
- 1979 FLEX
- 1979 F.R.A.C.P. Royal Australasian College of Physicians: Board certified in
 - Gastroenterology and Internal Medicine, Australia
- 1981 Certified Endoscopist in Gastroenterology (Australia)
- 1984 Diplomate American Board of Internal Medicine

Memberships and Affiliations

1979-present Royal Australasian College of Physicians

American Association for the Study of Liver Disease:

- 1990-92 Membership Committee
- 1990-95, 98 Abstract Selection Committee
- 1991 Nominating Committee
- 1991-1994 Program Evaluation Committee
- 1994-97 Councillor-at-large, first woman on Governing Board
- 1997-2000 Task Force Chair: Strategic Alliance
- 2000 Partnership Task Force AASLD/ALF
- 2003-2004 Training and Workforce Committee
- 2004 Co-Chair Autoimmune Hepatitis Focused Study group
- 2004-2006 Chair review section on "HCV- Therapy- Preclinical and Early Clinical Development"
- 2004 Moderator Early Morning Workshop: Pathogenesis of Autoimmune Hepatitis
- 2005 Course Director: Postgraduate Course : "Acute and Chronic liver disease: Immunologic Mechanisms and Therapy".
- 2006 Co-Chair HIV and Hepatotoxicity Focused Study group

American Association of Immunologists (AAI) member since 1985

1994- 1997 Program Committee AAI

American Gastroenterological Society

- 1995 Co-Chair Postgraduate Course.
- 1996-2005 Mentor in Career Development Program
- 2001-2004 Women in Gastroenterology committee
- 2004-2005 Nominating Committee

American Digestive Health Foundation

- 1996-1997 Board of Directors- member
- 1997 Nominating Committee member

American Liver Foundation

- 1998 Hepatitis B Symposium: organizing Committee.
- 2001-present Medical Advisory Board – member
- 2004-present ALF Grants Review Committee Member
- 2005- 2007 Chair of Medical Advisory Board, Northern California Chapter

AIDS Clinical Trial Group:

1999-2003	Complications Research Agenda Committee member
1999-2000	Viral Hepatitis Focus Group and Liver Diseases Focus group: Co-Chair
1999- 2006	Team member of A5071- Hepatitis C and HIV therapy with Interferon and ribavirin
2000-2001	Liver Diseases Subcommittee focus group Co-Chair
2000-2002	Liver Diseases Subcommittee Chair
2003	Liver Diseases Subcommittee Member
2000-2006	Cochair of A5127: Hepatitis B and HIV therapy with adefovir versus tenofovir
2002-2003	Member Genomics Group Complications Research Agenda Committee
2003	Member Hepatitis Advisory Board
2003	Chair: Cross Research Agenda Committees: HCV Working Group
2003	Chair: Hepatitis Advisory Committee
2004-2007	Chair Hepatitis Research Agenda Committee
2007- present	Hepatitis Committee Member
2003-2007	Member Scientific Agenda Steering Committee
2004-2007	Member Cross Research Agenda Committee
2004-2006	Team member A5204
2003-	Team member A5220

National Institutes of Health

2001	Ad Hoc Reviewer, NIAAA.
NIAAA 2002	Member, Working group Hepatitis C and Alcohol.
2001	Consensus Conference Hepatitis C, speaker.
2004	Ad hoc reviewer for T 32 grants
2004- present	Action Plan for HIV and Liver disease, member, NIDDK
2006	Ad hoc reviewer NIAAA, ACE study section

International Workshop on HIV and Hepatitis Co-infection:

2004-present	Scientific Committee member
2005-present	Organizing committee member
2006-2008	Chair, organizing committee

Women's Interagency HIV Study (WIHS)

2005-present	Chair, Viral hepatitis working group
2007	DHHS-IDSA: member of committee for Guidelines for the Prevention and Treatment of Opportunistic Infections in HIV-Infected Adults

University College Dublin

2006-2008	External Examiner for Final year medical students
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Penang Medical College, Malaysia

2007-	External Examiner for Final year medical students
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Selected Publications

- **Peters MG**, Andersen J, Lynch P, Liu T, Alston-Smith B, Brosgart CL, Jacobson JM, Johnson VA, Pollard RB, Rooney JF, Sherman KE, Swindells S, Polsky B; ACTG Protocol A5127 Team. Randomized controlled study of tenofovir and adefovir in chronic hepatitis B virus and HIV infection: ACTG A5127. *Hepatology*. 2006 Nov;44(5):1110-6.
- James Buxbaum, Peiqing Qian, Ciera Khuu, Benjamin L. Shneider, David I. Daikh, Paul M. Allen, and **Marion G. Peters**. Novel Model of antigen specific induction of bile duct injury. *Gastroenterology*. 2006 131:1899-906.
- **Marion G. Peters**, Adrian M. Di Bisceglie, Kris V. Kowdley, Nancy L. Flye, Scott S. Emerson, Velimir A Luketic, Santiago J. Munoz, Guadalupe Garcia-Tsao, Kent G. Benner, Thomas D. Boyer, John R. Lake, Rowen K. Zetterman, Robert L. Carithers, Jr., Maurizio Bonacini, David S. Barnes and Burton Combes for the PUMPS Study Group. Differences between Caucasian,

African-American and Hispanic patients with Primary Biliary Cirrhosis in USA. *Hepatology*: 2007; 46; 769-775.

- Julie H. Ishida, **Marion G. Peters**, Chengshi Jin, Karly Louie, Vivian Tan, Peter Bacchetti, Norah A. Terrault. Influence of Cannabis Use on Severity of Hepatitis C Disease. *Clin Gastroenterol Hepatol* 2008;6(1):69-75
- James Buxbaum, Peiqing Qian, Paul M. Allen, and **Marion G. Peters**. Hepatitis resulting from liver-specific expression and recognition of self-antigen. *J Autoimmunity* in press 2008
- Margaret Koziel and **Marion Peters**. Viral Hepatitis in HIV Infection. *New Eng J Med*, 2007: 356; 1445-54.
- Oren K Fix and **Marion Peters** Hepatitis virus infections, in *Global HIV/AIDS Medicine* Editors: Sande, Volberding & Lange, 2007; 37; 415-423.
- David J. Quan and **Marion G. Peters**. Tenofovir disoproxil fumarate for the treatment of hepatitis B virus infection: pharmacokinetics and clinical efficacy. *Therapy* 2007; 4; 141-151.
- **Marion Peters**. Hepatobiliary Complications. *American Academy of HIV Medicine Study Guide, Fundamentals of HIV Medicine 2007*. John Stansell Editor. In press 2008.
- Oren K Fix, Stephen A. Locarnini and **Marion G. Peters**. Virology and clinical management of Hepatitis B and HIV co-infection. *PRN notebook 2007* in press
- Kenneth E. Sherman, , **Marion Peters**, Margaret J. Koziel, . HIV and Liver Disease Forum: Conference Proceedings. *Hepatology* 2007: 45(6):1566-77
- George Lau, Patrick Marcellin and **Marion Peters**. Chronic hepatitis B – a global health problem requiring coherent worldwide treatment strategies. *Hepatology International* In press 2007.
- **Marion Peters**: HIV and Hepatitis B Virus Coinfection, *Top HIV Med*. 2007;15:163-6.
- Choi G and **Peters M**. The Challenge of Diagnosing Autoimmune Hepatitis: less is more. *Editorial Hepatology* 2008 in press
- Peters MG. Special populations with hepatitis B virus infection. *Hepatology*. 2009 May;49(5 Suppl):S146-55.
- **Peters MG**. End-stage liver disease in HIV disease. *Top HIV Med*. 2009 Sep-Oct;17(4):124-8.
- **Peters MG**, Perrillo RP, Jacobson IM, Ross DB, Doo EC, Murray JS, Wong JB. Entering the new era of therapy for HBV and HCV infections. *J Fam Pract*. 2010 Apr;59(4 Suppl):S51-8. No abstract available.
- **Peters MG**, Weinbaum C, Tan L, Baine WB, Dienstag JL, Liang TJ, So S. Recommendations for prevention, screening, and diagnosis of HBV and HCV infections. *J Fam Pract*. 2010 Apr;59(4 Suppl):S29-35. No abstract available.
- Mosbrugger TL, Duggal P, Goedert JJ, Kirk GD, Hoots WK, Tobler LH, Busch M, **Peters MG**, Rosen HR, Thomas DL, Thio CL. Large-scale candidate gene analysis of spontaneous clearance of hepatitis C virus. *J Infect Dis*. 2010 May 1;201(9):1371-80.
- Kuniholm MH, Kovacs A, Gao X, Xue X, Marti D, Thio CL, **Peters MG**, Terrault NA, et al. Specific human leukocyte antigen class I and II alleles associated with hepatitis C virus viremia. *Hepatology*. 2010 May;51(5):1514-22.
- Overton ET, Kang M, **Peters MG**, Umbleja T, Alston-Smith BL, Bastow B, Demarco-Shaw D, Koziel MJ, Mong-Kryspin L, Sprenger HL, Yu JY, Aberg JA. Immune response to hepatitis B vaccine in HIV-infected subjects using granulocyte-macrophage colony-stimulating factor (GM-CSF) as a vaccine adjuvant: ACTG study 5220. *Vaccine*. 2010 Aug 2;28(34):5597-604.
- Bhattacharya D, Umbleja T, Carrat F, Chung RT, **Peters MG**, Torriani F, Andersen J, Currier JS. Women experience higher rates of adverse events during hepatitis C virus therapy in HIV infection: a meta-analysis. *J Acquir Immune Defic Syndr*. 2010 Oct;55(2):170-5.
- Sherman KE, Andersen JW, Butt AA, Umbleja T, Alston B, Koziel MJ, **Peters MG**, et al; for the AIDS Clinical Trials Group A5178 Study Team. Sustained Long-Term Antiviral Maintenance Therapy in HCV/HIV-Coinfected Patients (SLAM-C). *J Acquir Immune Defic Syndr*. 2010 Dec 15;55(5):597-605.

- Tu Z, Li Q, Chou HS, Hsieh CC, Meyerson H, **Peters MG**, Bu H, Fung JJ, Qian S, Lu L, Lin F. Complement mediated hepatocytes injury in a model of autoantibody induced hepatitis. *Immunobiology*. 2011 Apr;216(4):528-34.
- Kuniholm MH, Gao X, Xue X, Kovacs A, Marti D, Thio CL, **Peters MG**, et al. The relation of HLA genotype to hepatitis C viral load and markers of liver fibrosis in HIV-infected and HIV-uninfected women. *J Infect Dis*. 2011 Jun;203(12):1807-14.
- Coffin CS, Mulrooney-Cousins PM, **Peters MG**, van Marle G, Roberts JP, Michalak TI, Terrault NA. Molecular characterization of intrahepatic and extrahepatic hepatitis B virus (HBV) reservoirs in patients on suppressive antiviral therapy. *J Viral Hepat*. 2011 Jun;18(6):415-23.