

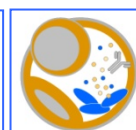
CURRICULUM VITAE

Name : **GRAU**
Given names : **Georges, Emile, Raymond**
Date of birth : September 5th, 1954, Liège, Belgium
Nationalities : **Swiss**. Place of origin: Ried bei Kerzers / Fribourg, Switzerland
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POSITIONS PREVIOUSLY HELD

1972 - 1979	Doctor of Medicine (with High Distinction), University of Liège
1979 - 1983	Resident, Department of Internal Medicine, Prof. H. van Cauwenberghe, Hôpital Universitaire de Bavière, Liège
1979 - 1981	Post-Doctoral fellow, Institut de Pathologie Cellulaire, Prof. M. Bessis, Hôpital du Kremlin-Bicêtre, Paris, France
1982 - 1995	Research Associate, World Health Organisation, Immunology Research and Training Centre, Prof. P. H. Lambert, University of Geneva, Switzerland
1983	Candidate-Specialist in Internal Medicine, University of Liège
1984	M.D. Thesis, University of Geneva
1984 - 1988	Assistant en Médecine Fondamentale, Department of Pathology, University of Geneva
1989 - 1991	Chargé de Recherche, Département de Pathologie, University of Geneva
1991 - Sept. 1995	Maître d'Enseignement et de Recherche at the WHO Centre and at the Department of Pathology, University of Geneva
1992	Privat - Docent (Agrégation de l'Enseignement Supérieur), Faculty of Medicine, University of Geneva
Oct. 1995 - Sept. 1997	Chef de Clinique Scientifique, University of Geneva
Oct. 1997- Feb. 1998	Invited Professor, Department of Pathology, University of Regensburg
March 1998 - Sept. 1999	Research Associate, CNRS, Université de la Méditerranée, France
Oct. 1999 - Feb. 2006	Professeur des Universités (Physiologie, section 40), Université de la Méditerranée, France
Since Feb. 2006	Professor, Chair of Vascular Immunology, School of Medical Sciences, Faculty of Medicine & Health, The University of Sydney, Australia

MEMBERSHIPS OF LEARNED SOCIETIES

- Belgian Society for Immunology, 1980 - 1991.
- Swiss Society for Immunology, since 1984 -1997.
- Royal Society of Tropical Medicine, London, 1991-1997.
- Society of Leukocyte Biology, Bethesda, 1993-1997.
- International (Washington) and European (Paris) Cytokine Society, 1993-1998.
- Société Genevoise des Neurosciences, 1993-1998.
- New York Academy of Sciences, 1994-1998.
- American Society of Investigative Pathology, since 2004
- Australian Society of Parasitology, since 2005
- Australasian Society for Immunology, since 2006
- New York Academy of Sciences, since 2007
- Australian & New Zealand Microcirculation Society, since 2009
- Royal Society of New South Wales, since 2012
- International Society for Extracellular Vesicles, since 2012
- Australian Society for Extracellular Vesicles, since 2013

TEACHING ACTIVITIES**Course of Physiology**

Faculty of Pharmacy, Université de la Méditerranée, 45 hours / year - équivalents T. D., in 1998, then 216 hours / year equiv. TD, from October 2000 to February 2006.

Course and Practicals of General Pathology

Faculty of Medicine, Université de Genève, from 1988 to 1995

World Health Organization's Course on Immunology of Infectious Diseases

(English and French courses), Lausanne and Geneva, Switzerland, from 1986 to 1997

Courses of « Diplôme d'Etudes Approfondies (D.E.A.) » in Microbiology, Immunology and

Infectious Diseases: Institut Pasteur, Hôpital de la Pitié-Salpêtrière, Hôpital Bichat, Université de Paris-Nord (Paris), Hôpital Edouard Herriot (Lyon), from 1987 to 1996, and Faculty of Medicine, Université de la Méditerranée (Marseille), 1996-2006.

Pedagogical documents: Editing of the courses of General Physiology (2nd and 3rd year-students), 1999.

Pathology for USYD BMed Students (2nd year), University of Sydney, since 2006: face-to-face teaching and practicals. **For CPAT and USYD-MPDP Students** since 2014.

RESEARCH INTERESTS

Immunopathology of microvascular lesions, particularly of cerebral and pulmonary complications of infectious and auto-immune diseases, especially in cerebral malaria, septic shock and multiple sclerosis. Analysis of the cellular and molecular mechanisms of the interactions between microvascular endothelial cells and cells of the immune system. Experience in various *in vivo* and *in vitro* experimental systems as well as in clinical studies. More recently, focus on the neurovascular lesion of murine and human cerebral malaria, using co-culture model systems involving brain endothelium, *P. falciparum* infected erythrocytes, as well as circulating cells, particularly platelets and monocytes. Investigations into the pathogenic significance of microparticles.

SCIENTIFIC PUBLICATIONS

385 publications, including:

- 283 peer-reviewed articles in international journals
- 70 review or invited articles
- 32 book chapters

IMPACT

The cumulative citations of my papers are over **33,000**. Seventy three of my papers have been cited more than 100 times, twelve more than 500 times, and three over 1,000 times.

Average citations per year are over 600 since 1992; over 1,000 since 2007.

My '**h - Index**' (*Nature* 436: 900, 2005), is **93**.

BOARDS

Current Neurovascular Research
International Journal of Experimental and Clinical Pathology
Open Parasitology Journal
Open Neurology Journal
Discoveries Journals

Intensive Care Medicine

Journal of Neuro-Infectious Diseases (formerly Journal of Neuroparasitology).

Memberships of **Organising Committees** include: Annual Meeting of Geneva-Lausanne Immunology Research Groups, Geneva, Switzerland, from 1989 to 1995 (National), Experimental Cerebral Malaria Meeting, Sydney 2006 (National), EU - MPCM London, 2007 (International), Molecular aspects in Malaria (MAM) Meeting, Lorne 2008 (International), EU – MPCM, Sydney 2008 (International), Neuroscience Meeting, Paris 2008 (International), ASP Meeting, Sydney 2009 (National), ICOPA Meeting, Melbourne 2010 (International), Neuroscience Meeting, La Reunion, 2010 (International). I was invited to participate in a Wellcome Trust Panel on cerebral malaria (Cambridge Dec 2010). At the World Congress on Microcirculation Paris, Sept. 2010, I gave an invited lecture and organised a Symposium on microparticles.

I am an Organising Committee member of the Neuroinfections Meetings, ANZMS, ASP and the 2014 Australian Society for Extracellular Vesicles (Chair Andy Hill, Melbourne), and of the 12th World Congress on Microcirculation, 2022 (Chair Jing-Yan Han, Beijing).

Since 2011 I serve as **Discipline Leader (Pathology)** at the Sydney Institute for Emerging Infections and since 2013 as **Regional Advisor (Europe)** at the Faculty of Medicine, University of Sydney.

Appointed **GRP Member of the NHMRC** Panel 2C, May 2007.

Appointed Member of the **Scientific Advisory Board** of Biosceptre, a Sydney biotechnology company involved in developing cancer therapeutics and diagnostics. July 2007.

Appointed Member of the **Board of Directors** of the La Jolla Infectious Disease Institute, 3030 Bunker Hill St., La Jolla, CA 92129, USA (President and CEO: Wun-Ling CHANG, M.D.). On Sept. 24, 2007.

Appointed **GRP Member of the NHMRC** Panel 2B, May 2011.

Appointed **Theme Leader** of Pathology, **Sydney Emerging Infections and Biosecurity Institute (SEIB)**, Dec. 2010.

Elected **Member, General Committee, Australian-New Zealand Microcirculation Society**, since 2012.

Elected **Member of the Board, Marie Bashir Institute**, since June 2014.

Flagship Program Co-Leader, theme: "New Insights into disease and drug targets: from endogenous biological nanoscale vesicles to engineered nanoparticles", **Australian Institute of Nanoscale Science and Technology**, since 2015

Elected **President of the Australian & New Zealand Society (ANZMS)**, since September 2017

Appointed **GRP Member of the NHMRC: Immunology, Inflammation & Rheumatology**, August 2018.

Regular **peer-reviewer** for high profile generalist journals such as *Cell*, *Science*, *Nature*, *Nature Medicine*, *Nature Reviews Immunology* and *PNAS*; first-rate medical research journals such as *The New England Journal of Medicine*, *JAMA*, *The Lancet*, *PLoS Med*, *The Journal of Clinical Investigation*; and pathophysiology / immunology journals such as *The Journal of Experimental Medicine*, *Trends in Immunology*, *Immunological Reviews*, *PLoS Pathogens*, *American Journal of Pathology*, *PLoS One*, *Blood*, and *Journal of Immunology*.

SCIENTIFIC AWARDS

- Early Researcher Award from the Dinu Lipatti-Dubois Ferriere Foundation (Geneve), 1982
- Prize of the best thesis of the Faculty of Medicine, University of Geneva, 1984. Title: "Genetic and Immunological aspects of Experimental Thrombocytopenia"
- BIZOT Prize 1986
- Prize of the Swiss Society of Immuno-Allergology, 1987. Title: "Neuroimmunological lesions mediated by TNF in malaria"
- Research Career Award 1991 of the Prof. Dr. Max Cloetta Foundation (Zürich)
- International Immuno-Parasitology DENIS THIENPONT Prize 1991. Title: "Immunopathological mechanisms in malaria: from mouse to man"
- Fernand TISSOT Prize 1993

- Scientific Prize of the Swiss Society of Intensive Care Medicine – 1997
- Australia's first Award for Animal Research, Sydney, Feb. 2011

PATENTS

HACKETT MARK [AU]; LAY PETER [AU]; CARTER ELIZABETH [AU]; HUNT NICHOLAS [AU]; GRAU GEORGES [AU]; GOTTLIEB DAVID [AU]. Classification of biological samples using spectroscopic analysis. WO2009AU01423 20091030. International: **A61B5/00; G01N21/25; G01N21/65; G01N33/487**. European: [G01N21/65](#); [G06K9/00B](#). WO2010048678 (A1) — 2010-05-06.

PUBLICATIONS

A. PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **SALMON J, GRAU GE.** Intérêt du dosage des complexes immuns en investigation clinique. **Rev Méd Liège** 1979; 34: 458-463.
2. **RAMENTOL-MASSANA M, GRAU GE, BEAUMARIAGE ML, SALMON J.** Quantitation of the breakdown product C3d by rocket immunoelectrophoresis. **Int Arch Allergy Appl Immunol** 1982; 68: 219-221.
3. **GRAU GE, PUTHAVATHANA P, IZUI S, LAMBERT PH.** Induction of thrombocytopenia and infection by megakaryocytes by Rauscher Murine Leukemia Virus reflect the genetic susceptibility to leukemogenesis. **J Exp Med** 1983; 157: 1028-1039.
4. **GRAU GE, MORROW DM, IZUI S, LAMBERT PH.** Experimental approach to the immunopathology of thrombocytopenia. **Blood Vess** 1985; 16: 108-112.
5. **GRAU GE, MORROW DM, IZUI S, LAMBERT PH.** Pathogenesis of Rauscher virus-induced thrombocytopenia. **J Immunol** 1986; 136: 686-691.
6. **GRAU GE, PIGUET PF, ENGERS HD, LOUIS JA, VASSALLI P, LAMBERT PH.** L3T4+ T lymphocytes play a major role in the pathogenesis of murine cerebral malaria. **J Immunol** 1986; 137: 2348-2354.
7. **PIGUET PF, GRAU GE, IRLE C, VASSALLI P.** Perfusion of mice with rIL-2 enhances haemopoiesis and the production of large mononuclear leukocytes with NK activity. **Bone Marrow Transplant** 1986; 1: 12.
8. **PIGUET PF, GRAU GE, IRLE C, VASSALLI P.** Administration of interleukin 2 to mice enhances production of hemopoietic and natural killer cells. **Eur J Immunol** 1986; 16: 1257-1261.
9. **GRAU GE, FAJARDO LF, PIGUET PF, ALLET B, LAMBERT PH, VASSALLI P.** Tumor necrosis factor (cachectin) as an essential mediator in murine cerebral malaria. **Science** 1987; 237: 1210-1212.
10. **GRAU GE, GRETERER D, LAMBERT PH.** Prevention of murine cerebral malaria by low-dose cyclosporin A. **Immunology** 1987; 61: 521-525.
11. **PIGUET PF, GRAU GE, ALLET B, VASSALLI P.** Tumor necrosis factor is an effector of skin and gut lesions of the acute phase of graft-versus-host disease. **J Exp Med** 1987; 166: 1280-1289.
12. **GIRARDIN E, GRAU GE, DAYER JM, ROUX-LOMBARD P, THE J5 STUDY GROUP, LAMBERT PH.** Tumor necrosis factor and interleukin-1 in the serum of children with severe infectious purpura. **N Engl J Med** 1988; 319: 397-400.
13. **GRAU GE, KINDLER V, PIGUET PF, LAMBERT PH, VASSALLI P.** Prevention of experimental cerebral malaria by anticytokine antibodies. IL-3 and GM-CSF are intermediates in increased TNF production and macrophage accumulation. **J Exp Med** 1988; 168: 1499-1504.
14. **GRAU GE, PIGUET PF, GRETERER D, VESIN C, LAMBERT PH.** Immunopathology of thrombocytopenia in experimental malaria. **Immunology** 1988; 65: 501-506.
15. **DEL GIUDICE G, CHENG Q, MAZIER D, MEUWISSEN JH, GRAU GE, CORRADIN G, PESSI A, VERDINI AS, LAMBERT PH.** Primary and secondary responses to (NANP) peptides by *Plasmodium falciparum* sporozoites in various strains of mice. **Scand J Immunol** 1989; 29: 555-562.
16. **GRAU GE, HEREMANS H, PIGUET PF, POINTAIRE P, LAMBERT PH, BILLIAU A, VASSALLI P.** Monoclonal antibody against interferon-gamma can prevent experimental cerebral malaria and its associated overproduction of tumor necrosis factor. **Proc Natl Acad Sci USA** 1989; 86: 5572-5574.
17. **GRAU GE, PIGUET PF, VASSALLI P, LAMBERT PH.** Tumor necrosis factor and other cytokines in cerebral malaria: experimental and clinical data. **Immunol Rev** 1989; 112: 49-70.
18. **HEREMANS H, DILLEN C, DIJKMANS R, GRAU GE, BILLIAU A.** The role of cytokines in various animal models of inflammation. **Lymphokine Res** 1989; 8: 329-333.
19. **GRAU GE, TAYLOR TE, MOLYNEUX ME, WIRIMA JJ, VASSALLI P, HOMMEL M, LAMBERT PH.** Tumor necrosis factor and disease severity in children with falciparum malaria. **N Engl J Med** 1989; 320: 1586-1591.

20. **BEYLOT M, GUIRAUD M, GRAU GE, BOULETREAU P.** Regulation of ketone body flux in septic patients. *Am J Physiol* 1989; 257: 665-674.
21. **GRAU GE, ROUX-LOMBARD P, GYSLER C, LAMBERT C, LAMBERT PH, DAYER JM, GUILLEVIN L.** Serum cytokine changes in systemic vasculitis. *Immunology* 1989; 68: 196-198.
22. **KINDLER V, SAPPINO AP, GRAU GE, PIGUET PF, VASSALLI P.** The inducing role of tumor necrosis factor in the development of bactericidal granulomas during BCG infection. *Cell* 1989; 56: 731-740.
23. **MERINO J, QIN HY, SCHURMANS S, GRETERER D, GRAU GE, LAMBERT PH.** Thrombocytopenia associated with the induction of neonatal tolerance to alloantigens - immunopathogenic mechanisms. *Eur J Immunol* 1989; 19: 1693-1699.
24. **PIGUET PF, COLLART MA, GRAU GE, KAPINCI Y, VASSALLI P.** Tumor necrosis factor cachectin plays a key role in bleomycin-induced pneumopathy and fibrosis. *J Exp Med* 1989; 170: 655-663.
25. **PIGUET PF, GRAU GE, COLLART MA, VASSALLI P, KAPINCI Y.** Pneumopathies of the graft-versus-host reaction. *Lab Invest* 1989; 61: 37-45.
26. **SUTER S, SCHAAD UB, ROUX-LOMBARD P, GIRARDIN E, GRAU GE, DAYER JM.** Relation between tumor necrosis factor-alpha and granulocyte elastase-alpha-1-proteinase inhibitor complexes in the plasma of patients with cystic fibrosis. *Am Rev Respir Dis* 1989; 140: 1640-1644.
27. **GIRARDIN E, BERNER M, GRAU GE, DAYER JM, ROUX-LOMBARD P, SUTER S.** Tumour necrosis factor in neonatal listeriosis: a case report. *Eur J Pediatr* 1989; 148:644-645.
28. **BAUMGARTNER JD, HEUMANN D, GERAIN J, WEINBRECK P, GRAU GE, GLAUSER MP.** Association between protective efficacy of anti-lipopolysaccharide (LPS) antibodies and suppression of LPS- induced tumor necrosis factor-alpha and interleukin-6. *J Exp Med* 1990; 171: 889-896.
29. **CALANDRA T, BAUMGARTNER JD, GRAU GE, WU MM, LAMBERT PH, SCHELLEKENS J, VERHOEF J, GLAUSER MP, SWISS-DUTCH J5 STUDY GROUP.** Kinetics and prognostic values of tumor necrosis factor/cachectin, interleukin 1, alpha-interferon and gamma-interferon in the serum of patients with septic shock. *J Infect Dis* 1990; 161: 982-987.
30. **CHANG HR, GRAU GE, PECHERE JC.** Role of TNF and IL-1 in infections with *Toxoplasma-gondii*. *Immunology* 1990; 69: 33-37.
31. **CHIZZOLINI C, GRAU GE, GEINOZ A, SCHRIJVERS D.** Lymphocyte-T interferon-gamma production induced by *Plasmodium-falciparum* antigen is high in recently infected non-immune and low in immune subjects. *Clin Exp Immunol* 1990; 79: 95-99.
32. **FERRAN C, SHEEHAN KC, DY M, SCHREIBER R, MERITE S, LANDAIS P, NOEL LH, GRAU GE, BLUESTONE JA, BACH JF, CHATENOD L.** Cytokine-related syndrome following injection of anti-CD3 monoclonal antibody: further evidence for transient *in vivo* T cell activation. *Eur J Immunol* 1990; 20: 509-515.
33. **GIRARDIN EP, BERNER ME, GRAU GE, SUTER S, LACOURT G, PAUNIER L.** Serum tumour necrosis factor in newborns at risk for infections. *Eur J Pediatrics* 1990; 149: 645-647.
34. **GRAU GE, FREI K, PIGUET PF, FONTANA A, HEREMANS H, BILLIAU A, VASSALLI P, LAMBERT PH.** Interleukin 6 production in experimental cerebral malaria. Modulation by anti-cytokine antibodies and possible role in hypergammaglobulinemia. *J Exp Med* 1990; 172: 1505-1508.
35. **PIGUET PF, COLLART MA, GRAU GE, SAPPINO AP, VASSALLI P.** Requirement of tumour necrosis factor for development of silica-induced pulmonary fibrosis. *Nature* 1990; 344: 245-247.
36. **PIGUET PF, GRAU GE, VASSALLI P.** Subcutaneous perfusion of tumor necrosis factor induces local proliferation of fibroblasts, capillaries, and epidermal cells, or massive tissue necrosis. *Am J Pathol* 1990; 136: 103-110.
37. **CHOFFLON M, JUILLARD C, GAUTHIER G, GRAU GE.** Correlation between *in vitro* cytokine production and clinical evolution of multiple sclerosis patients. *Schweiz Arch Neurol* 1991; 142: 107-112.
38. **FERRAN C, DY M, SHEEHAN K, SCHREIBER R, GRAU GE, BLUESTONE J, BACH JF, CHATENOD L.** Cascade modulation by anti-tumor necrosis factor monoclonal antibody of interferon-gamma, interleukin-3 and interleukin-6 release after triggering of the CD3/T cell receptor activation pathway. *Eur J Immunol* 1991; 21: 2349-2353.

39. **GRAU GE, POINTAIRE P, PIGUET PF, VESIN C, ROSEN H, STAMENKOVIC I, TAKEI F, VASSALLI P.** Late administration of monoclonal antibody to leukocyte function-antigen 1 abrogates incipient murine cerebral malaria. **Eur J Immunol** 1991; 21: 2265-2267.
40. **GRAU GE, VESIN C, DEGROOTE D, DELACROIX D, GYSLER C, PIGUET PF, LAMBERT PH.** prevention of human TNF-induced cutaneous Shwartzman reaction and acute mortality in mice treated with anti- human TNF monoclonal antibodies. **Clin Exp Immunol** 1991; 84: 411-414.
41. **GRAU GE, MODLIN RL.** Immune Mechanisms in bacterial and parasitic diseases - protective immunity *versus* pathology. **Curr Opin Immunol** 1991; 3: 480-485.
42. **LESSLAUER W, TABUCHI H, GENTZ R, BROCKHAUS M, SCHLAEGER EJ, GRAU GE, PIGUET PF, POINTAIRE P, VASSALLI P, LOETSCHER H.** Recombinant soluble TNF receptor proteins protect mice from LPS-induced lethality. **Eur J Immunol** 1991; 21: 2883-2886.
43. **MOLYNEUX ME, TAYLOR TE, WIRIMA JJ, GRAU GE.** Tumour necrosis factor, interleukin-6, and malaria. **Lancet** 1991; 337: 1098.
44. **NAOTUNNE TD, KARUNAWEEERA ND, DEL GIUDICE G, KULARATNE MU, GRAU GE, CARTER R, MENDIS KN.** Cytokines kill malaria parasites during infection crisis - extracellular complementary factors are essential. **J Exp Med** 1991; 173: 523-529.
45. **NUSSLER A, PIED S, GOMA J, RENIA L, MILTGEN F, GRAU GE, MAZIER D.** TNF inhibits malaria hepatic stages *in vitro* via synthesis of IL-6. **Int Immunol** 1991; 3: 317-321.
46. **PIGUET PF, GRAU GE, HAUSER C, VASSALLI P.** Tumor necrosis factor is a critical mediator in hapten-induced irritant and contact hypersensitivity reactions. **J Exp Med** 1991; 173: 673-679.
47. **SARNO EN, GRAU GE, VIEIRA LMM, NERY JAC, ALMEIDA SMR.** Serum levels of TNF alpha and IL-1 beta during leprosy reactional states. **Clin Exp Immunol** 1991; 84: 103-108.
48. **SHAFFER N, GRAU GE, HEDBERG K, DAVACHI F, LYAMBA B, HIGHTOWER AW, BREMAN JG, NGUYENDINH P.** Tumor necrosis factor and severe malaria. **J Infect Dis** 1991; 163: 96-101.
49. **FERRAN C, DY M, SHEEHAN K, SCHREIBER R, GRAU GE, BLUESTONE J, BACH JF, CHATENAUD L.** Inter-mouse strain differences in the *in vivo* anti-CD3 induced cytokine release. **Clin Exp Immunol** 1991; 86: 537-543.
50. **GASCON MP, PORCHET HC, LECOTONNEC JY, YTHIER A, WALLACH D, PIGUET PF, GRAU GE.** Pharmacokinetics and tissue distribution of human urinary tumor necrosis factor binding protein in mice. **Drug Metab Dispos** 1992; 20: 592-595.
51. **GIRARDIN E, ROUX-LOMBARD P, GRAU GE, SUTER P, GALLATI H, DAYER JM.** Imbalance between tumour necrosis factor-alpha and soluble TNF receptor concentrations in severe meningococcaemia. **Immunology** 1992; 76: 20-23.
52. **GRAU GE, TACCHINI-COTTIER F, PIGUET PF.** Is TNF beneficial or deleterious in toxoplasmic encephalitis? **Parasitol Today** 1992; 8: 322-324.
53. **KARUNAWEEERA ND, GRAU GE, GAMAGE P, CARTER R, MENDIS KN.** Dynamics of fever and serum levels of tumor necrosis factor are closely associated during clinical paroxysms in *Plasmodium-vivax* malaria. **Proc Natl Acad Sci USA** 1992; 89: 3200-3203.
54. **KARUNAWEEERA ND, CARTER R, GRAU GE, KWIATKOWSKI D, DELGIUDICE G, MENDIS KN.** Tumour necrosis factor-dependent parasite-killing effects during paroxysms in non-immune *Plasmodium-vivax* malaria patients. **Clin Exp Immunol** 1992; 88: 499-505.
55. **DE KOSSODO S, GRAU GE, DANEVA T, POINTAIRE P, FOSSATI L, ODY C, ZAPF J, PIGUET PF, GAILLARD RC, VASSALLI P.** Tumor necrosis factor-alpha is involved in mouse growth and lymphoid tissue development. **J Exp Med** 1992; 176: 1259-1264.
56. **PARIDA SK, GRAU GE, ZAHEER SA, MUKHERJEE R.** Serum tumor necrosis factor and interleukin-1 in leprosy and during lepra reactions. **Clin Immunol Immunopathol** 1992; 63: 23-27.
57. **SUTER PM, SUTER S, GIRARDIN E, ROUX-LOMBARD P, GRAU GE, DAYER JM.** High bronchoalveolar levels of tumor necrosis factor and its inhibitors, interleukin-1, interferon, and elastase, in patients with adult respiratory distress syndrome after trauma, shock, or sepsis. **Am Rev Respir Dis** 1992; 145: 1016-1022.
58. **TABONE MD, MUANZA K, LYAGOUBI M, JARDEL C, PIED S, AMÉDÉE-MANESME O, GRAU GE, MAZIER D.** Possible role of IL-6 in vitamin A deficiency during *Plasmodium falciparum* malaria. **Immunology** 1992; 75: 553-554.

59. **VAUDAUX P, GRAU GE, HUGGLER E, SCHUMACHER-PERDREAU F, FIEDLER F, WALDVOGEL FA, LEW DP.** Contribution of tumor necrosis factor to host defense against staphylococci in a guinea pig model of foreign body infections. **J Infect Dis** 1992; 166: 58-64.
60. **GRAU GE, TACCHINI-COTTIER F, PIGUET PF.** Toxoplasmic encephalitis. **Parasitol Today** 1992; 8: 367
61. **DESMOULIÈRES A, RUBBIA-BRANDT L, GRAU GE, GABBIANI G.** Heparin induces alpha-smooth muscle actin expression in cultured fibroblasts and in granulation tissue myofibroblasts. **Lab Invest** 1992; 67: 716-726.
62. **SENALDI G, KREMSNER PG, GRAU GE.** Nitric oxide and cerebral malaria. **Lancet** 1992; 340: 1554-1555.
63. **LOUTAN L, PLANCHEREL C, SOULIER-LAUPEL M, PASCUAL M, SUBILIA L, CHEVROLET JC, UNGER PF, GRAU GE.** Serum TNF in patients with severe malaria treated by exchange transfusion. **Trop Med Parasitol** 1992; 43: 285-286.
64. **CHOFFLON M, JUILLARD C, JUILLARD P, GAUTHIER G, GRAU GE.** Predictive value of TNF production in patients with multiple sclerosis. **Eur Cytokine Netw** 1992; 3: 523-531.
65. **DE KOSSODO S, GRAU GE.** Profiles of cytokine production in relation with susceptibility to experimental cerebral malaria. **J Immunol** 1993; 151: 4811-4820.
66. **PIGUET PF, GRAU GE, VESIN C, LOETSCHER H, GENTZ R, LESSLAUER W.** Evolution of collagen arthritis in mice is arrested by treatment with anti-tumour necrosis factor (TNF) antibody or a recombinant soluble TNF receptor. **Immunology** 1992; 77: 510-514.
67. **PIGUET PF, VESIN C, GRAU GE, THOMPSON RC.** Interleukin 1 receptor antagonist (IL-1ra) prevents or cures pulmonary fibrosis elicited in mice by bleomycin or silica. **Cytokine** 1993; 5: 57-61.
68. **KWIATKOWSKI D, MOLYNEUX ME, STEPHENS S, CURTIS N, KLEIN N, POINTAIRE P, SMIT M, ALLAN R, HOLLOWAY P, BREWSTER DR, GRAU GE, GREENWOOD BM.** Response to monoclonal anti-TNF antibody in children with cerebral malaria. **Q J Med** 1993; 86: 91-98.
69. **KREMSNER PG, NUSSLER A, NEIFER S, CHAVES MF, BIENZLE U, SENALDI G, GRAU GE.** Malaria antigen and cytokine-induced production of reactive nitrogen intermediates by murine macrophages: no relevance to the development of experimental cerebral malaria. **Immunology** 1993; 78: 286-290.
70. **PIGUET PF, ROSEN H, VESIN C, GRAU GE.** Effective treatment of the pulmonary fibrosis elicited in mice by bleomycin or silica with anti-CD11 antibodies. **Am Rev Respir Dis** 1993; 147: 435-441.
71. **PORTA J, CAROTA A, PIZZOLATO GP, WILDI E, WIDMER MC, MARGAIRAZ C, GRAU GE.** Immunopathological changes in human cerebral malaria. **Clin Neuropathol** 1993; 12: 142-146.
72. **PIGUET PF, GRAU GE, DE KOSSODO S.** Role of granulocyte-macrophage colony stimulating factor (GM-CSF) in pulmonary fibrosis induced in mice by bleomycin. **Exp Lung Res** 1993; 19: 579-587.
73. **MOLYNEUX ME, ENGELMANN H, TAYLOR TE, WIRIMA JJ, ADERKA D, WALLACH D, GRAU GE.** Circulating plasma receptors for tumour necrosis factor in Malawian children with severe falciparum malaria. **Cytokine** 1993; 5: 604-609.
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377. **GRAU GE.** T-cell subsets and effector mechanisms of pathology in cerebral malaria. In: Mustafa AS, Al-Attiyah RJ, Nath I, Chugh TD, eds. *T-cell Subsets and Infectious Diseases*. Basel: Karger, 1996: 62-72.
378. **DE KOSSODO S, GRAU GE.** Cytokines and malaria. In: Remick DG, Friedland J, eds. *Cytokines in Health and Disease: Physiology and Pathology*. New York: Mark Dekker, 1997: 649-654.
379. **LUCAS R, SUTER PM, GRAU GE.** TNF in the microvascular pathology of septic shock and cerebral malaria. In: Vincent JL, Smits-de Smet S, eds. *Annual Yearbook of Intensive Care Medicine*. Heidelberg: Springer-Verlag, 1997: 63-73.
380. **COMBES V, GRAU GE.** Cytokines in defence and pathology of the central nervous system. In: Ransohoff RM & Benveniste EN, eds. *Cytokines and the CNS*, 2nd edition, CRC Press, Boca Raton, FL, ISBN 0-8493-1622-7, 2006: 243-267.

381. **COMBES V, LOU JN, GRAU GE.** Microvascular endothelium and cerebral malaria. In: Aird, W., Ed. Endothelium Biomedicine: A Comprehensive Reference, 1st edition, Cambridge University Press, New York, 2007: 1303-1310.
 382. **GRAU GE & HUNT NH.** Cytokines and some of their effector mechanisms in cerebral malaria pathogenesis. In: Malaria Encyclopaedia, Kremsner, PG, Hommel M and Krishna S, Eds. Springer, 2014 <http://www.springerreference.com/index/chapterdbid/372398> .
 383. **VAN DER HEYDE H, COMBES V, GRAMAGLIA I, GRAU GE.** Hemostasis dysfunction contributes to the genesis of cerebral malaria. In: The Blood-Brain Barrier in Health and Disease Dorovini-Zis K, Ed. Science Publishers, CRC Press, Boca Raton, FL 2015 in press.
 384. **GRAU GER & WASSMER SC.** Pathogenetic immune responses in cerebral malaria. In: Malaria: immune response to infection and vaccination. A Rodriguez & M Mota, Eds. Springer International 2017: 67-77.
 385. **GRAU GER & HOSSEINI-BEHESHTI E.** extracellular vesicles in cerebral malaria. In: Subcellular Biochemistry, Extracellular Vesicles. Mathivanan, Fonseka, Nedeva and Atukorala, Eds. Nature Springer book series, 2021 in press.
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GRANTS GENERATED

- 1983: Research Fund from the **Fondation Dubois-Ferrière/Dinu Lipatti**
- 1986 - 1993 : **World Health Organization-Special Programme for Research and Training in Tropical Diseases** (TDR-IMMAL). Title: Experimental evaluation of the potential risk of vaccination with defined malarial epitopes
- 1988 - 1989 : **Sandoz Research Foundation, Basel, Switzerland**. Title: Analysis of physiopathological mechanisms of cerebral malaria
- 1989 - 1995 : **Swiss Society for Multiple Sclerosis**. Title: Role of cytokines in demyelinating disorders
- 1990 - 1995 : **Fonds National Suisse de la Recherche Scientifique (Swiss National Science Foundation)**. Title: Experimental analysis of immunopathological mechanisms involved in cerebral malaria
- 1991 - 1995 : Research Grants from the **Ares-Serono Group, Geneva, Switzerland**. Title: Functional evaluation of tumor necrosis factor binding proteins
- 1992 - 1994 : **The Heiser Foundation, New York**. Title: Cytokines in the immunopathology of leprosy
- 1993 - 1995 : **World Health Organization-Special Programme for Research and Training in Tropical Diseases** (TDR-IMMYC). Title: Study of the immunopathology of nerve damage and lepra reaction in leprosy patients
- 1993 - 1995 : **Fonds National Suisse de la Recherche Scientifique** (as co-applicant with N. Mili and D. Morel). Title: Experimental analysis of lung endothelial cells in sepsis
- 1993 - 1994 : **Association pour la Recherche sur la Sclérose en Plaques (ARSEP, Paris)**. Title: Analysis of cytokine production in multiple sclerosis: evaluation of the potential diagnostic and prognostic value in longitudinal studies
- 1994 - 1996 : **The Sir Jules Thorn Charitable Overseas Trust, Geneva, Switzerland**. Title: Pathogenesis of cerebral malaria: immunological studies on brain microvascular endothelial cells as antigen-presenting cells
- 1994 - 1997 : **Ligue Genevoise contre le Cancer, Geneva, Switzerland**. Titre: Microvascular endothelial cells and metastasis
- 1994 - 1996 : **European Community - Biotechnology** as co-applicant with M. Goldman, Bruxelles, and P. Ghezzi, Milano
- 1994 - 1996 : **European Community - Concerted Action "Cytokines and the brain"**, as co-applicant with N. Rothwell, Manchester, and R. Dantzer, Bordeaux

- 1994 - 1996 : **World Health Organization-Special Programme for Research and Training in Tropical Diseases** (TDR-IMMAL) Title: Pathogenesis of human cerebral malaria: analysis of the mechanisms of the brain microvascular lesion
- 1994 - 1995 : **Nouvelle Association Française pour la Sclérose en Plaques (NAFSEP)**, Paris. Title: Analyse de la production de cytokines et des modifications de l'endothélium cérébral dans la pathogenèse de la Sclérose en Plaques
- 1994 - 1996 : **Fonds National Suisse de la Recherche Scientifique** (as co-applicant with L. Stoppini). Title: Development of an *in vitro* blood-brain barrier model by interfacing a co-culture of endothelial cells and nervous organotypic cultures
- 1995 - 1997 : **Fonds National Suisse de la Recherche Scientifique** (as co-applicant with B. Ricou, D.R. Morel and P.M. Suter). Title : Importance of various cell types in the development of ARDS due to direct versus indirect injury
- 1996 -2000 : **National Institute of Health**, Bethesda, USA (as co-applicant with T. E. Taylor). Title : Immunopathology of human cerebral malaria
- 1995-2000 : **Fonds National Suisse de la Recherche Scientifique**. Titre : Immunopathological mechanisms of the neurovascular lesion in cerebral malaria
- 1997-1999 : **Fonds National Suisse de la Recherche Scientifique** (as co-applicant with L. Stoppini). Title : Development of an *in vitro* blood-brain barrier model by interfacing a co-culture of endothelial cells and nervous organotypic cultures
- 2000 : **Equipe INSERM EMI 0019 “Physiopathologie de l’Endothélium”** (as co-manager with J. Sampol et F. Dignat-George)
- 2000-2001 : **Programme PAL+, Ministère de la Recherche**, Paris, France (as co-investigator with A. Scherf and J. Gysin)
- 2001 : **PhD funding 2001 (3 years) of the Programme PAL+, Ministère de la Recherche** (as principal investigator)
- 2001-2003 : **Programme PAL+, Ministère de la Recherche**, Paris, France (as co-investigator with P. Rihet and I. Fuad)
- 2002-2004 : **Programme PAL+ , Ministère de la Recherche** (as principal investigator)
- 2002 : Research grant / equipment from the **Mairie de Marseille** (J.F. MATTEI)
- 2002 : **PhD funding 2002 (3 years) of the Programme PAL+, Ministère de la Recherche** (as principal investigator)
- 2002 – 2004 : **World Health Organisation, TDR programme** (as principal investigator)
- 2004 : **Fondation Recherche Médicale, Paris, France** (as principal investigator)

- 2004 - 2005 : **Fondation de France, Paris, France** (as principal investigator)
- 2004 - 2006 : **DGA, France**, as co-investigator with A. Buguet and T. Fusai
- 2004 – 2006 : **The Wellcome Trust**, as co-investigator with M. E. Molyneux and D. J. Roberts
- 2007: **The University of Sydney**, Major Equipment Grant, as CIA
- 2007 – 2009: **The Wellcome Trust**, as co-investigator with A. Craig and N. van Rooyen
- 2007 – 2009: **The Australian Research Council**, as CIA, with N. Hunt
- 2007 – 2009: **The National Health & Medical Research Council**, as CIA, with N. Hunt and D.I. Cook
- 2007: **The Rebecca L. Cooper Foundation**, as Principal Investigator
- 2008 – 2010: **The National Health & Medical Research Council**, as CIC, with N. Hunt and H. Ball
- 2009 – 2011: **The National Health & Medical Research Council**, as CIA, with V. Combes
- 2009 – 2011. **The National Health & Medical Research Council**, as CIC, with B. Saunders and W. Britton
- 2009 – 2011. **The National Health & Medical Research Council, Cancer Council**, as CIB, with M. Bebawy and V. Combes
- 2008: **The Rebecca L. Cooper Foundation**, as AI to V. Combes
- 2010: **University of Sydney Bridging support grant**, as principal investigator
- 2010: **University of Sydney Bridging support grant**, as CIB to V. Combes
- 2009: **The Rebecca L. Cooper Foundation**, as AI to V. Combes
- 2010: **Australian Research Council (ARC)/Linkage Infrastructure, Equipment and Facilities (LIEF)**. 5-Dimensional Correlative Imaging Platform, as co-CI with F Braet, L Soon et al.
- 2010: **The Rebecca L. Cooper Foundation**, as AI to V. Combes
- 2010: **National Health and Medical Research Council (NHMRC) / Equipment Grants**. Next-generation high-speed flow cytometric cell sorter; as co-CI with B Fazekas de St Groth, N King, et al.
- 2011 **Australian Research Council (ARC)/Linkage Infrastructure, Equipment and Facilities (LIEF)**. Fluorescence microscopy with optical tweezers: imaging cellular responses; Weninger W, Gunning P, Grau G, King N, Grewal T, Soon L.
- 2011 – 2013: **The National Health & Medical Research Council**, as CIB, with M.Bebawy
- 2011 – 2013: **The National Health & Medical Research Council**, as CIC, with G. Guillemin, V. Combes and B. Brew
- 2011: **The Rebecca L. Cooper Foundation**, as AI to J. Wheway
- 2011: **Cancer Council NSW – Innovator Grant**, Deep sequencing of glioma derived microparticles, as principal investigator with C. Suter.
- 2012: **International Program Development Fund (IPDF), USyd**, as principal investigator
- 2012 -2014: **The National Health & Medical Research Council**, as CIB, with V. Combes and J. Wheway
- 2012 -2014: **The National Health & Medical Research Council**, as CIC, with N. Hunt and H. Ball
- 2012 -2014: **Australian Research Council, Discovery Project**, as CIC, with M. Thompson and C. Murphy.
- 2012 **DVC International/IPDF Grant. Australia-Thailand Symposium** - Infectious diseases and immunology: translating research into practice; Grau G, Campbell D, Freckelton L, Kakakios A, Kulthanan T, Tribuddharat C.

- 2010: **ARC Large Equipment Infrastructure Fund**. Imaging Cell and Tissue Architecture using Confocal and Super-Resolution Microscopy, as co-CI with P. Gunning et al.
- 2013: **Medical Advances Without Animals (MAWA) Foundation / Research Grant**. Deciphering the role of microparticles from discrete origins in the pathogenesis of cerebral malaria using a novel in vitro system to replace animal models. As CIA
- 2013: The **Rebecca L. Cooper Foundation**, as AI to J. Wheway
- 2013 **DVC Research / Equipment Grant**. Wide field super-resolution microscopy with ground state depletion - Exploring nanoscopic life in chronic diseases; Braet F, Weiss A, King N, Dos Remedios C, Traini D, Graeber M, Murphy C, Grau G, Soon L, Newsome T, Goldsbury C, Lovelace M, Gorrell M, Pollock C.
- 2014: **Novartis Australia**, as CIA with S Hawke.
- 2014: **Bosch Small Equipment Grant**. As CIA with NH Hunt, M Day, M Morris, L Munoz
- 2014: **PHC FASIC (France-Australia Science Innovation Collaboration) grant**. As CIB with C Faure, S Bourdoulous and PO Couraud
- 2014 **Rebecca L Cooper Medical Research Foundation/Equipment Grant**. Characterizing plasma microparticle content in multiple sclerosis patients; Wheway J, Zinger A, Hawke S, Grau G, Combes V.
- 2015-2017 **The National Health & Medical Research Council** Developing and testing pro-thrombotic conjugates for brain AVMs, as CIC with M Stoodley, Z Zhao and D Inglis.
- 2015 **University of Sydney/Internal Scheme / Marie Bashir Institute**. Characterising splenic myeloid responses to CNS pathogens. Mitchell A, Grau G, Fazekas de St Groth B, King N, Palendira U.
- 2015 **Cancer Institute New South Wales/Equipment Grant**. Portable Infrared Spectroscopy Equipment for Cancer Diagnosis, Research into Prevention of Cancer by Understanding the Role of Diet, and for Drug Development and Studies on Efficacy. Lay P, Richardson D, Banati R, Biro M, Bebawy M, Graeber M, Grau G, Hambley T, New E, Carter E.
- 2015 **Medical Advances Without Animals (MAWA) Foundation / Research Grant**. Trans-endothelial migration of leucocytes of Multiple Sclerosis (MS) patients across an in vitro blood-brain barrier model. Hawke S, Zinger A, Grau G.
- 2015 **CJD Support Group Network/Donation** with S Hawke
- 2015 **DVC Research/Equipment Grant**. Live Cell Accessories for Raman and FTIR Imaging. Lay P, Hawkins C, Grau G, Witting P, Chan K.
- 2015 **University of Sydney / Internal Scheme**. Characterising splenic myeloid responses to CNS pathogens; Mitchell A, Grau G, Fazekas de St Groth B, King N, Palendira U;
- 2016 -2018 **The National Health & Medical Research Council**. Antigen presentation in cerebral malaria pathogenesis: a role for brain microvascular endothelium and microparticles, as CIA, with V Combes, NH Hunt and B Saunders.
- 2015 **USYD Collaborative Research Equipment Grant** (IRMA ID: G181536). Title: Advanced NanoSight NS300 System for Shared Use in the Open Access, Multi-user, Bosch Molecular Biology Facility. CIs: Gary Halliday, Des Richardson, Kim Chan, Georges Grau, Nick Shackel. Awarded amount: \$190,000
- 2016 **National Health and Medical Research Council (NHMRC)/Equipment Grant**. Real time bio-impedance measurement of biological samples: Electrical Cell-substrate Impedance Spectroscopy ECIS Z0 equipped with Ibidi Pump System; Traini D, Young P, Zreiqat H, Grau G, Ammit A.

- 2016 **Australian Institute for Nano-Science and Technology (AINST) Flagship Program bridging grant**. Characterisation of plasma microparticles in multiple sclerosis patients. As CIA, with P Lay and N King.
- 2016 **Bosch Small Equipment Grant**. Title: Rotary Cell Culture System (RCCS-8DQ) for shared use in the Bosch Molecular Biology Facility. Chief Investigators: Daniela Traini, Des Richardson, Fazlul Huq, Tailoi Chan-Ling, Cris dos Remedios, Rodney Lui, Damian Holsinger, Georges Grau, Sumit Sahni, Angelica Merlot, George Fatseas, Hui Xin Ong, Donna Lai, Manuel Graeber, Peter Lay, Aviva Levina, Brian Hawke, Binh Pham, Byung Kim, Nguyen Pham Vani Raviraj, Louis Rendina, Elizabeth New, Jacek Kolanowski, Amandeep Kaur, Mia Akerfeldt, Wojciech Chrzanowski, Rona Chandrawati, Ravinder Kaur, Maree Svolos, Yogambha Ramaswamy, Rose Martiniello-Wilks. Amount awarded: \$13,193
- 2016 **Bosch Small Equipment Grant**. Title: Denator Heat Stabilizer T1 system for shared use in the multi-user Bosch Molecular Biology Facility. Chief Investigators: Chris Murphy, Des Richardson, Georges Grau, Tailoi Chan-Ling, Brett Hambly, Rebecca Mason, Jillian Kril, Tara Speranza, Damian Holsinger, Greg Sutherland, Auvro Mridha, Laura Lindsay, Sam Dowland, Katie Dixon, Angelica Merlot, Donna Lai, Michael Thompson, Camilla Whittington, Manuel B. Graeber, Richard Banati, Buljan Vlado, James Van Dyke, Peter Lay, Aviva Levina, Ravinder Kaur, Colin Simpendorfer. Amount awarded: \$19,900 .
- 2016 **Sydney Medical School Foundation/ Foundation grant**. Understanding the role of B lymphocytes and microparticles in multiple sclerosis. As CIA.
- 2017 **INC/Client Commissioned Research**. *RES: Groups 5-10 CBA Mice are to be infected with the Pba strain of malaria- with Cour Pharma*; King N, Grau GE, Niewold P, Cohen A; COUR Pharmaceuticals Development Co.
- 2018 – 2020 **Australian Research Council, Discovery Project**, Bioinorganic Chemistry of Chemical Warfare Between Immune Cell and Pathogen, Peter A. Lay and Georges E. Grau
- 2018 – 2020 **Multiple Sclerosis Research Australia Project grant**, "Understanding the induction of disease quiescence by immunomodulating drug in multiple sclerosis", as CIA. GE Grau, S Hawke, S Byrne, M Barnett & S. Hodgkinson.
- 2018. **DVC Research/Postdoctoral Research Fellowship Scheme Zebrafish models of mycobacterial infection**; Oehlers S, Grau GE.
- 2018. **Sydney Nano Research Collaboration Award**; Grau GE & Lay PA; Australian Institute of Nanoscience and Technology (AINST)/Research Collaboration Award.
- 2019. **DVC Research/Equipment Grant**. *SpectraMax iD5 Multi-Mode Microplate Reader*; Dunstan C, Grau G, Murray M.
- 2019. **The Lincoln Centre**. A new regenerative therapy for treating thumb base osteoarthritis. Li JJ, Hosseini-Beheshti E, Gentile C, Little C, Grau GE.
- 2020. **Sydney Catalyst – ENRICH Sub-study**. Identification of plasma extracellular vesicles signatures in lung cancer patients with brain metastases. As CIA, with Prof S Clarke, Dr S Kao and Dr Hosseini-Beheshti.
- 2020. **Sienna Diagnostics** – Characterisation of exosomes and other extracellular vesicles isolate using the SIEN-NET™ technology by FTIR and Raman spectroscopy. As CIA, with Prof P. Lay, CIB.
- 2021-2023. **iCare / Dust Diseases** - Extracellular Vesicles, a Gateway to Precision Medicine: Potential Candidates for Liquid Biopsy and Modulators of the Cancer Microenvironment. As CIB, with Dr Hosseini-Beheshti, CIA.

- 2019-2021. **Sanofi-Genzyme** – Defining biomarkers in the peripheral blood of MS patients using mass cytometry and microvesicles, with Prof S Hawke.
- 2020-2023. **Merck KGaA** – Cladribine-induced immunomodulation in multiple sclerosis (MS): a phenotypic study, with Prof S Hawke.

CONFERENCES ATTENDED AS INVITED SPEAKER

- 1983 Louvain, Meeting of the Belgian Society for Immunology
- 1984 Kyoto, 5th International Congress of Immunology, Symposium on intravenous use of immunoglobulins.
- 1987 Lyon, Institut Mérieux, Symposium on Intravenous Use of Immunoglobulins.
Grenoble, Meeting of the French Society of Haematology.
Toulouse, Meeting of the French Society of Infectious Diseases
- 1988 Geneva, WHO, Research on Nerve Damage and Reactions in Leprosy.
Palo Alto, DNAX Meeting on "The role of lymphokines in disease processes".
Milano, Congress of the International Society of Haematology.
Bern, Séminaires de la Société Suisse de Pathologie Infectieuse.
London, NIBSC, Meeting on Cytokine Nomenclature and Standardization.
- 1989 NIH, Bethesda. Seminars of LPD.
Paris, Séminaires Robert-Debré
Aussois, Jacques Monod Conference/Parasite Vaccinology
Interlaken, Annual Meeting of the Swiss Society of Internal Medicine
Geneva, WHO, Symposium on the Assessment of the Safety and Efficacy of vaccines to regulate fertility.
Brockett Hall, Hatfield, UK, International Conference on Parasitology
Dijon, Third International Congress on Megakaryocytes: Cellular and Molecular Biology.
Paris, Seminars of ISR: Pathogenesis of septic shock.
Les Baux, Séminaires Maurice Rapin: Endotoxin: fundamental aspects and clinical implications.
Montpellier, Euromedecine 1989.
- 1990 Bethesda, National Institute of Health - International Conference on Cellular Mechanisms in Malaria Immunity.
Geneva, IMMLEP Meeting on cell-mediated immunity in leprosy.
Lausanne, Annual Meeting of the Swiss Society of Immunology .
Berkeley, UK, British Society of Immunology: First Jenner Conference.
Ittingen, Annual Meeting of the Swiss Society of Paediatrics.
Flims, Annual Meeting of the Swiss Society of Clinical Chemistry.
Paris, International Congress of Parasitology.
Lyon, International Symposium on the Markers of Inflammation (GERMI)
London, British Cytokine Group Meeting, Guest Lecture.
Tokyo, Makuhari, Third International Conference on TNF and related cytokines.
- 1991 Geneva: 4th International Workshop on Inflammation
NIH, Bethesda, International Meeting on T-cell subsets and Infectious Diseases
Basel, International Workshop on Cytokines and Pathology
Clermont-Ferrand, MSD Macrophage Meeting
Montreux, International Meeting on Interleukin 6
Paris, Pasteur Institute - Workshop on Leprosy Immunology
- 1992 Park City, Utah, Keystone Symposium on Molecular Biology of Host-Parasite Interactions
Taos, New Mexico. Keystone Symposium on Cytokines in Growth and Development.
London, British Society of Parasitology
Broadway, Worcestershire, Wellcome Trust Meeting on Severe Malaria.
Firenze, International Meeting on Cytokines: Basic Principles and Clinical Applications.
Wien, Annual Meeting of the European Society of Clinical Investigation.
Eindhoven, 4th International Conference on TNF and Related Cytokines.
Les Embiez, Annual Meeting of the European Network of Immunological

- Institutes (ENII).
 Bad Windsheim, Nürnberg, European Science Foundation Conference on Immunomodulation.
 Freiburg in Breisgau, International Meeting of Hematology.
 Ein Gedi, Israel, International Cytokine Congress
 Rhodes, NATO Conference.
 Lyon, Third Euro Cell Path Meeting
 Bischofsberg, INSERM - Philippe Laudat Conference on Neuroimmunology
- 1993 Hamburg, Meeting on Severe Malaria
 Liège, Léon-Frédéricq Conference on Cytokines and Autoimmunity
 Kuwait City NIH/WHO/UNDP Meeting on T-cell subsets and Infectious Diseases
 United Arab Emirates: International Meeting on Infectious Diseases
 Saxton Falls, FASEB Meeting
 Bruxelles, Annual Meeting of the Belgian Society of Immunology
 Amsterdam, International Meeting on Endotoxin
 Basel, International Macrophage Meeting
 Liège, Annual Meeting of the Belgian Society of Clinical Immunology
 Bigorio, International Workshop on Nitric Oxide
 Paris, Meeting on Severe Falciparum Malaria
- 1994 Colombo, Sri Lanka, Rockefeller /WHO Meeting on Malaria Pathogenesis
 Hannover, International Interferon Meeting
 Heidelberg, Glial Society Meeting
 Firenze, International Meeting on Cytokines: Basic Principles and Clinical Applications.
 Monterey, 5th International Conference on TNF and Related Cytokines.
 Stockholm, Nobel Conferences
 Copper Mountain, Colorado, FASEB Meeting on Neuro-Immunology
 Aussois, INSERM - Jacques Monod Conference.
 Tunis, Congrès Immuno-Intervention
 La Grande Motte - Congrès INSERM sur la signalisation intracellulaire
 München - Annual Meeting of the German Society of Infectious Diseases
 London - IBC Course on Cytokine Therapeutics
 New York City - Meeting on Clinical Applications of Interleukin 10
- 1995 Nice - IVème Congrès Francophone sur les Molécules d'Adhérence
 Wien - VIIth European Congress of Clinical Microbiology and Infectious Diseases
 Bordeaux - French Society of Immunology
 London - European Union Meeting on Biotechnology
 Bonn - Recent Developments in the Pathogenesis of Inflammatory CNS disorders
 Adelaide - Australian Society of Parasitology
 Deauville - 2nd International Meeting on Severe Sepsis
- 1996 Zürich - USGEB Annual Meeting
 Rhodes - 6th International Meeting on Tumour Necrosis Factor
 Lund - Fenström Symposium : International Meeting on Cytokines in Haematopoiesis, Inflammation, and Matrix Biology
 Madrid - International Meeting on Cytokines in Infectious Diseases
 Copper Mountain, Colorado, FASEB Meeting on Neuro-Immunology
 Reykjavik - 2nd International Symposium on Infection Models
 Aussois - Jacques Monod Conference on Immunoparasitology
 Genève - International Cytokine Meeting
- 1997 München - 4th International Congress on the immune consequences of trauma, shock and sepsis
 Bruxelles - 17th International Symposium on Intensive Care and Emergency Medicine
 Geneva - International Congress on Travel Medicine
 Portsmouth - Annual Meeting of the British Intensive Care Society
 Lausanne - 8th International Congress of Clinical Microbiology and Infectious Diseases
 Amsterdam - 4th International Symposium on Clinical Immunology
 Maastricht - 3rd International Conference on Sepsis in the ICU

- Troina, Italy - 17th International Conference on Biological Membranes
 Molecular Mechanisms of Nervous System Disorders
 Basel - 12th International Congress of Clinical Chemistry
 Paris - 10th Annual Congress of the European Society of Intensive Care Medicine
 Hyderabad, India - International Conference on Malaria
 Paris - 4th International Autumnal Meeting on Sepsis
- 1998 Cape Cod- 7th International TNF Congress
 Montreal - 5th International Congress of Neuroimmunology
 Aussois - Jacques Monod Conference on Immunoparasitology
 Marseille - Congrès Annuel du Groupe Européen Hémorragie et Thromboses
- 1999 Bonn - "Neuropathology at the turn of the Millenium" - International Meeting on Neuroimmunology
- 2000 Oxford - "Oxford 2000" - International Meeting on Immunology of Parasitic Diseases
 Fribourg - International Congress of Infectious Diseases
 Melbourne - WEHI seminars
 Adelaide - Invited Professor by the Australian Government
- 2001 Paris – International Congress of Haematology – XVIIIth International Society of Thrombosis and Haemostasis
- 2002 Dakar – Workshop on Malaria Pathogenesis
 Montpellier – International Society of Neuroimmunology
 Aix Les Bains – Philippe Laudat INSERM Conference on Brain Endothelium
- 2003 Anglet – Workshop on Malaria Pathogenesis
 Fraser Island – Australian and New Zealand Society of Microcirculation
- 2004 Lorne – Molecular Approaches to Malaria
 Pointe Noire – Africa Malaria Days
 Blantyre – Wellcome Trust meeting on infectious diseases
 Miami – Annual Meeting of the American Society of Tropical Medicine
- 2005 Genève – SCBM
 Baltimore – Malaria vaccines
 Zomba – Malaria pathogenesis
 Nairobi – Parasites and the Blood-Brain Barrier (Johns Hopkins / Bill Gates Foundation Meeting)
 Marseille – Medicine and Health in the Tropics
 Bangkok – International Tropical Medicine Meeting
- 2006 Baltimore – International Malaria Meeting
 Sydney – Bosch Institute – Inaugural lecture
 Sydney - Cerebral Malaria Workshop
 Leura – 5th Health Research Conference
 Jerusalem – Severe Malaria Workshop
 Paris – European Union, Consortium meeting on Microparticles and Cerebral Malaria
- 2007 Stockholm – Nobel Conferences
 London - European Union, Microparticles and Cerebral Malaria
 Melbourne – IBRO World Congress of Neuroscience
 Madrid – International Malaria Symposium
 Manly – Australasian Society for Immunology, Annual Meeting.
- 2008 Paris – NIH-Pasteur Neuroscience Conference
 Lorne - Molecular Approaches to Malaria
 Sydney – European Union Meeting, MPCM
 Alpbach – Keystone Meeting on Malaria: Immunology, Pathogenesis and Vaccine Perspectives
 Hong Kong – HKU Conferences
- 2009 Boston – USCAP Annual Meeting
 Baltimore – Johns Hopkins MRI Conferences

- Augusta – MCG Conferences
 Leuven – Rega Institute Conferences
 Bordeaux – IFR66 Conferences
 Sydney – Australian Society for Parasitology Annual Meeting
 Queenstown – Australian & New Zealand Microcirculation Society Annual Meeting
 Canberra – Australian Vascular Biology Society Annual Meeting
 Gold Coast – Australasian Society for Immunology Annual Meeting
- 2010 Dublin – Wellcome Trust Meeting – Consortium on von Willebrand factor
 Singapore – International Neurology Congress “NeuroTalk”
 Melbourne – XIIth International Congress of Parasitology
 Paris – 9th World Congress on Microcirculation
 Paris – Conferences de l'Hopital Necker
 Saint-Denis de La Reunion – 2nd International Congress on Infections of the Nervous System
 Cambridge, UK – Wellcome Trust Meeting on Malaria Pathogenesis
- 2011 Sydney – Annual Meeting of the Society of Biochemistry
 Sydney – Tissue Engineering Network international meeting (chair)
 Bangkok – Mahidol University MORU Seminars
 Newcastle – HMRI Cancer Research Program Seminars
 Geneva – Deputy-Vice Chancellor delegation
 Pymont – Cancer Council Relay for Life Summit
 Sydney – 50th Annual Meeting of the Australasian Association of Clinical Biochemists
 Bangkok - 8th Asian Microcirculation Congress
 Sydney – Brain and Mind Institute Symposium on Neuroinflammation and Microglia
 Sydney – Annual Meeting of HAA-Haematology Society and XIIth Meeting of the International Society for Haematology
 Sydney – Annual Meeting of the Sydney Emerging Infections & Biosecurity Institute
 Margaret River – Annual Meeting of the Australian-New Zealand Microcirculation Society
 Adelaide – Annual Meeting of the Australasian Society for Immunology
- 2012 Bangkok – Mahidol University / Siriraj Hospital / Sydney University International Symposium
 Canberra – John Curtin School Seminars
 Sydney – Wenkart Chair International Symposium on Endothelium
 Melbourne – Monash University seminars
 Sydney – 4th International SUTEN symposium
 Sanctuary Cove – 20th Australian Society for Vascular Biology -Annual Meeting
 Rio de Janeiro – XVIIIth Congress for Tropical Medicine
 Singapore – NITD seminars
 Adelaide – Centre for Cancer Biology seminars
 Sydney – 13th International Symposium on Tryptophan
- 2013 Boston – 3rd Meeting of the International Society for Extracellular Vesicles
 Hong Kong – Gordon Research Conference “Infections of the Nervous System”
 Fribourg – the 28th European Cytoskeleton Forum
 Copenhagen – 8th European Congress of Tropical Medicine and International Health
- 2014 Canberra – RSPCA Symposium Innovative methods and alternatives to animals
 Cairns – 1st Meeting of the Australian Society for Extracellular Vesicles
 Sydney – 1st Inter-University Neuroscience Meeting
 Sydney – The Conversation / Future of Research Conference
- 2015 Seoul – KHUPO 15th Annual International Proteomics Congress
 Gold Coast – Novartis Clinical Neurology Symposium
 Leura – 18th Annual ANZMS Conference
 Heidelberg – EVIMALAR-BIOMALPAR XII International Congress on Malaria Pathogenesis
 Sydney – 8th Sino-Australian Symposium on Immune-Mediated Diseases.
- 2016 Lorne - Molecular Approaches to Malaria.
 Sydney - Bosch Institute Annual Scientific Meeting, “Ideas and Technology - Engines of Medical Science”
 Nelson, New Zealand – Cell Communication Meeting
 Sydney – 2nd Inter-University Neuroscience Meeting

- 2017 Kota Bharu, Kelantan – Infection and Immunity 2017
Concord – 7th Neuroimmunology Australia Workshop
Paris – XVIIth European Shock Society Meeting
Mooloolaba – Australian New Zealand Microcirculation Society / Australian Vascular Biology Society Joint Meeting
Orange – Multiple Sclerosis in Australia 2017
Sydney – Charles Perkins Centre Infection & Immunity seminars
Melbourne – 12th Cerebral Vascular Biology International Meeting
- 2018 Melbourne – 1st Malaria World Congress
Sydney – Sydney Analytical Grand Opening
Brisbane – 14th congress of the International Society for Neuro Immunology
Vancouver, BC, Canada – 11th World Congress for Microcirculation
Sydney – MS Masters Forum
Baltimore, MD, USA – American Society for Exosomes and Microvesicles Annual Meeting
- 2019 Sydney, Word Congress on Inflammation
Adelaide – Australasian Society for Immunology
Newcastle – HMRI Cancer Research Program Seminars
Sydney – Joint Meeting of the Australian New Zealand Microcirculation Society and the Australian Vascular Biology Society
Sydney – 1st Australian Workshop on Extracellular Vesicles
- 2020 Auckland – 4th Meeting of the Australasian Society for Extracellular Vesicles
Los Angeles – WebEVTalk USA
Sydney – Sydney Catalyst Seminars
Stockholm – WebEVTalk Europe