

PUBLICATIONS

Docteur Meera MANRAJ

Theses:

- Manraj M.D. "*Prévention et/ou Dépistage du Diabète Non Insulinodépendant à la Réunion*"
Thèse de Doctorat. Faculté de Médecine de Marseille. 30 Mars 1988.
- Manraj M.D.: "*Insulin Resistance: Search for candidate genes with special reference to patients with early myocardial infarction*". PhD thesis submitted in June 2002, PhD awarded (without correction) in April 2003.

Publications in the last 5 years:

Lacquemant C, Lepretre F, Pineda Torra I, Manraj M, Charpentier G, Ruiz J, Staels B, Froguel P "Mutation screening of the PPAR α gene in Type 2 Diabetes associated with coronary heart disease". *Diabetes & Metab.* 26: 393-401 (September 2000)

Manraj M, Francke S, Hebe A, Ramjuttun R, Froguel P "Genetic and environmental nature of the insulin resistance syndrome in an Indo-Mauritian population with premature coronary heart disease: contribution of β 3-Adrenergic-Receptor Polymorphism and betablockers on triglyceride and HDL concentrations". *Diabetologia* 2001, 44 (1), 115-122 (January 2001)

Gopaul NK, Manraj M, Hébé A, Lee Kwai Yan S, Johnston A, Carrier MJ, Änggard EE: "Oxidative stress could precede endothelial dysfunction and insulin resistance in Indian Mauritians with impaired glucose metabolism". *Diabetologia* 2001, 44: 706-712 (June 2001)

Lacquemant C, Manraj M, Francke S, Lecoœur C, Dina C, Froguel P "A first genome wide scan showing coronary heart disease susceptibility loci in a Mauritian population with the metabolic syndrome". ADA 61st Scientific sessions of the American Diabetes Association, held in Philadelphia, USA in June 2001. Abstract No 110-OR, *Diabetes* 50, Suppl 2, A27.

Manraj M, Francke S, Hébé A, Lee Kwai Yan S, Semfa N, Ramjuttun US, Froguel P, “Linkage disequilibrium between ApoC3-455 T>C and premature coronary heart disease in Indo-Mauritians”. *Diabetologia*, Vol 44 Supp. 1, (Abstract August 2001)

Francke S, Manraj M, Lacquemant C, Lecoœur C, Lepretre F, Passa P, Hebe A, Corset L, Lee Kwai Yan S, Lahmidi S, Jankee S, Gunness T K, Ramjuttun U S, Balgobin V, Dina C, Froguel P “A genome-wide scan for coronary heart disease suggests in Indo-Mauritians a susceptibility locus on chromosome 16p13 and replicates linkage with the metabolic syndrome on 3q27”. *Human Molecular Genetics*, Vol 10, No 24: 2751-2765 (November 2001), cited in *Science* (28 November 2003), in *American Journal of Human Genetics*, meta-analysis in *Atheroscler. Thromb. Vasc. Biol.*, Vol 23

Manraj M, Hebe A, “Difference in metabolic profile between male patients with premature coronary heart disease belonging to different ethnic groups in Mauritius”. Abstract No 2084-PO, *Diabetes* 51, Suppl 2, A507. (June 2002)

Meera D Manraj¹, Stephan Francke³, Annick Hébé¹, Solange Lee Kwai Yan¹, Lang Heng Semfa¹, Vinod Balgobin², Teman K Gunness², Uday S Ramjuttun², Philippe Froguel³, “Interaction between gender and PON1 GLN192ARG Polymorphism on coronary heart disease in the North-Indian Mauritian population”. *Molecular and Therapeutic Aspects of Redox Biochemistry*, Chapter 17, Pg 227-238, 2003.

Annick Hébé, Meera D Manraj, Nitin K Gopaul, and Erik E Änggard, “Pulse Wave Analysis: A non-invasive method to assess endothelial function in clinical practice”. *Molecular and Therapeutic Aspects of Redox Biochemistry*, Chapter 11, Pg 145-150, 2003.

N K Gopaul¹, M D Manraj², A Hébé², S Lee Kwai Yan², A Johnston³, M J Carrier¹, E E Änggard¹, “Oxidative stress may precede endothelial dysfunction and Insulin resistance in Indian Mauritians with impaired glucose metabolism”. *Molecular and Therapeutic Aspects of Redox Biochemistry*, Chapter 3, Pg 26-36, 2003.

Manraj M “Gender-related Difference on the Influence of the Paraoxonase GLN192ARG Polymorphism on Coronary Heart Disease in the Indo-Mauritian population” *Proceedings of the 11th International GASAT conference held from 6th to 11th July 2003 in Mauritius*: Pg 216-222

M Manraj, S Francke, A Hebe, N Sem Fa, S Lee Kwai Yan, S Jankee, V Balgobin, U S Ramjuttun, T K Gunness, P Froguel (August 2003) “Association between ACE I/D Polymorphism and traits of the metabolic syndrome in Mauritian patients with premature coronary heart disease”. Abstract No 1555, *Diabetes Metab* 2003, 29, 4S7-4S428).

Participation in consultancy team for drafting reports for two projects of the Consultancy and Contract Research Centre of the University of Mauritius, one aimed at evaluating the National Media Campaign of HIV/AIDS and the other evaluating the National Media Campaign for Non-Communicable Diseases (NCD), from October 2005 to June 2006.

Oral and Poster Presentations:

Manraj M, Hebe A, Francke S, Ramjuttun US, Froguel P “Genetic and environmental nature of the insulin resistance syndrome in Indo-Mauritian population with premature coronary heart disease”. Poster presentation at the VIIIth CEPH (Centre d’Etudes du Polymorphisme Humain) Annual Conference from 24 to 26 May 2000 in Paris, France.

Invited to give a talk on “Contribution of ICT in Medical Research Technology” by the National Computer Board, during the ICT-week from 6-11 November 2000.

M Manraj, S Francke, A Hébé, S Lee Kwai Yan, N Sem Fa, U S Ramjuttun, P Froguel: “Interaction between gender and PON1 Gln192Arg polymorphism on coronary heart disease in the North-Indian Mauritian Population”, oral presentation at the 2nd International Conference of the Society for Free Radical Research-Africa (15 – 19 July 2001)

A Hébé, M Manraj, NK Gopaul, EE Änggard: “Pulse Wave Analysis: a non-invasive method to assess endothelial function in daily clinical practice”, oral presentation at the 2nd International Conference of the Society for Free Radical Research-Africa (15 – 19 July 2001)

N K Gopaul, M D Manraj, A Hébé, S Lee Kwai Yan, A Johnston, M J Carrier, E E Änggard: “Oxidative stress may precede endothelial dysfunction and insulin resistance in Indian Mauritians with Impaired glucose metabolism”, oral presentation at the 2nd International Conference of the Society for Free Radical Research-Africa (15 – 19 July 2001)

N K Gopaul, M D Manraj, A Hébé, S Lee Kwai Yan, M J Carrier, E E Änggard: “Endothelial dysfunction in Type II diabetic subjects is reversed by treatment with hypoglycaemic agents and insulin”, poster presentation at the 2nd International Conference of the Society for Free Radical Research-Africa (15 – 19 July 2001)

N K Gopaul, M D Manraj, A Hébé, S Lee Kwai Yan, M J Carrier, E E Änggard: “Antioxidant defences are increased during the oral glucose tolerance test in subjects with normal and impaired glucose metabolism”, poster presentation at the 2nd International Conference of the Society for Free Radical Research-Africa (15 – 19 July 2001)

Invited speaker at the International Diabetes and Atherosclerosis Symposium held in Troon, Scotland from 7th to 8th September 2001, an oral presentation entitled “Interaction between Gender and PONI Gln192Arg Polymorphism on Coronary Heart Disease in the Indo-Mauritian Population”.

Poster presentation on “Linkage Disequilibrium between APOC3 -455T>C polymorphism and Premature Coronary Heart Disease in Indo-Mauritians” at the 37th Annual meeting of the European Association for the study of Diabetes (EASD) held from 9th to 13th September 2001 in Glasgow, Scotland.

Invited speaker in the “Colloque Franco-Mauricien -Diabète, Coeur et Vaisseaux" held at Hilton hotel, in Flic en Flac from 10th to 13th December 2001 (Presentation of data on the genome scan performed on Mauritian families, in French, on collaborative work entitled “Génétique du Diabète et des Maladies Coronariennes”)

Invited to talk on “Genetics of Obesity” on 22nd July 2002 in a programme organised by the Mauritius Institute of Health from 22nd to 26th July 2002 “Training of Trainers in Weight Management and Programme Evaluation” for the Ministry of Women’s Right, Child Development and Family Welfare.

Invited by the Medical Update Group to give a talk on “Genetics of Diabetes” in a “Mini-Symposium on Diabetes” held on 24th July 2002 at the Burrenchobay Lecture Theatre of the University of Mauritius.

Oral presentation by Miss Hébé at the 3rd International conference of SFRR-Africa held in Cape Town, South Africa, from 8th to 11th October 2002 on “Linkage Disequilibrium between the Glu298Asp Polymorphism in the NOS 3 Gene and age of onset of coronary heart disease in Indo-Mauritian men” (Hébé A, Manraj M, Francke S, Lee Kwai Yan S, Sem Fa N, Jankee S, Ramjutun US, Gunness TK, Froguel P).

Formal presentation on “Genetics of Diabetes and Associated Conditions” in February 2003 at the request of the Biomedical Steering Committee of the Mauritius Research Council.

Award of an AstraZeneca scholarship to present a paper entitled “A Genome-wide scan gives indication for overlapping linkage in the 8q23 region for several traits of the metabolic syndrome in Indo-Mauritians” at the 3rd International workshop on Insulin Resistance held between 17th and 19th February 2003 in Ritz Carlton, New Orleans, LA.

Oral presentation of a paper on “Gender-related difference on the influence of the paraoxonase Gln192Arg polymorphism on coronary heart disease in the Indo-Mauritian population” at the GASAT 11 Conference organised by the Mauritius Institute of Education in Grand Bay from 6th to 11th July 2003.

Poster presentation at the International Diabetes Federation meeting in Paris in August 2003 on “Association between ACE I/D Polymorphism and traits of the metabolic syndrome in Mauritian patients with premature coronary heart disease”.

Invited by the Africa Human Genome Initiative to present a paper “Search for Genetic factors underlying susceptibility to the metabolic syndrome in Mauritius” in a Medical Biotechnology workshop on 28 March 2004, during the Second Annual Africa Genome Conference entitled “Genomics and Society: The Future Health of Africa” held in Cairo, Egypt.

Poster selected for oral presentation at the First International Conference on Paraoxonases * Basic and Clinical Directions of Current Research to be held on April 22-24, 2004, at the University of

Michigan, Ann Arbor, Michigan, entitled “Population-based and family studies suggest an association between PON1 Gln192Arg polymorphism and premature coronary heart disease in female Mauritians of Indian origin”.

Poster presentation at the 2nd International Symposium on “Triglycerides and HDL: Role in cardiovascular disease and the metabolic syndrome” held from 14 to 17 July 2005 in New York, USA. Title of presentation: “*Influence of the metabolic syndrome on mean age of onset of coronary heart disease in Mauritius*”.

Poster presentation (co-authored with Dr S Manraj, Consultant Pathologist and Miss Khyatisha Seejore, BSc (Hons) Medical Science student) at the workshop organised by WHO in collaboration with the Ministry of Health and Quality of Life related to the preparation of a “National Cancer Control Plan” at the Domaine des Pailles from 7 to 9th September 2006, entitled “Impact of national screening in trends in cervical cancer incidence and mortality in the Republic of Mauritius”. Attended an international workshop.