**CURRICULUM VITAE PIETRO MINUZ**

English

EDUCATION AND ACADEMIC QUALIFICATION

Pietro Minuz was born in Padova, Italy, October 29th 1953.

High school qualification in classical studies, 1972.

Graduate with honours in Medicine, University of Padova – Verona, July 1978.

Specialization with honours in Internal Medicine, University of Verona, November 1983.

Scholarship at the Institute of Pharmacology, provided by the University of Verona, from February 1982 to October 1985, Prof. Giampaolo Velo.

Assistant professor (Ricercatore Confermato) at the Department of Clinical Medicine University of Verona from December 1985 to November 2002, Prof. Ludovico A Scuro and Alessandro Lechi.

Academic qualification as Associate Professor of Internal medicine, February 2002. Associate Professor at the University of Verona, November 2002.

Academic qualification as Full Professor of Internal Medicine, November 2010. Full Professor at the University of Verona from January 2012.

FELLOWSHIPS

Department of Pharmacology, Catholic University in Rome, Prof. Carlo Patrono, December 1979 - May 1980.

Department of Clinical Pharmacology, Royal Postgraduate Medical School, Hammersmith Hospital, May 1987 - August 1988, Prof. Colin Dollery and James M Ritter.

Department of Clinical Pharmacology, St.Thomas’ Hospital, University of London, Prof. James M Ritter, October 1988.

Department of Pharmacology, Aarhus University, Denmark, Prof. Michael Mulvany, November 1992.

SCIENTIFIC ACTIVITY

Pietro Minuz is the author of more than 230 scientific publications, editor of 4 special issues of scientific journals (H-index: 31) and more than 160 scientific communications at international and national meetings.

MAIN SCIENTIFIC ACHIEVEMENTS

Identification of reduced vascular synthesis of prostacyclin in pregnancy-induced and essential hypertension (1988 -1990).

Identification of proaggregatory effects and inhibition of nitric oxide by oxidized LDL and isoprostanes (1995 -1998).

Identification of inhibitory effects on platelet adhesion by nitric oxide and NO-aspirins (1996).

Identification of the inhibitory effects of nitric oxide on the expression and activity of tissue factor (2001-2004)

Definition of relations between angiotensin II, oxidative stress and platelet activation in essential and renovascular hypertension (2002-2004).

Identification of alteration in eicosanoids derived from cytochrome P450 in renovascular and essential hypertension and the role of genetic polymorphisms of cytochrome P450 isoforms in arterial hypertension and stroke (2008).

Identification of novel mechanisms of platelet activation in diabetes mellitus (2011)

Identification of elevated synthesis of epoxyeicosatrienoic acids in the feto-placental circulation (2009-2011-2017)

Definition of the role of tyrosine kinases and Rho kinase in platelet activation induced by thromboxane and isoprostanes (2002-2006-20015)

Effects of antiplatelet agents on microparticles generation in activated platelets (2016)

Functional characterization of bioactive compounds present in tomato (2011-2018)

MAIN TOPICS OF THE PRESENT SCIENTIFIC ACTIVITY

1 Clinical and pathophysiological aspects of essential hypertension, preeclampsia and renovascular hypertension.

2 Role of vasoactive eicosanoids generated via cytochrome P450 in primary and secondary hypertension;

3 Genetic polymorphisms in hypertension and cardio or cerebro-vascular diseases.

4 Role of prostanoids, prostacyclin and thromboxane in blood pressure control and platelet activation;

5 Mechanisms of platelet activation in cardiovascular diseases and tumorigenesis;

6 Intracellular signaling systems in thromboxane-induced platelet activation and the antiplatelet activity of aspirin.

7 Relationships between inflammation, oxidative stress and endothelial and platelet function.

8 Effects of natural compounds (bioactive peptides and lipids) and drugs on angiogenesis and endothelial function in vitro and in vivo.

FINANCED RESEARCH PROJECTS (2000-2017)

1 Scientific grant from NATO year 2000 (Ref. SA/LST.ASI.976267)

2 Grants from the ministry of Research

3 Research grants (principal investigator) from Veneto Region (Progetti Ricerca Finalizzata Sanità 2002-2003)

4 Research grant (participant) MIUR (project PRIN 2004064152\_003) from 2004 to 2006

5 Principal investigator “Cooperative signals in platelet activation: role of thromboxane A2 grant from MIUR (project PRIN 2006069143\_004) from 2007 to 2009.

6 Research grant from Veneto Region (Ricerca Finalizzata Regine Veneto) on pharmacogenetics of anti-thombotic agents (principal investigator along with Prof. GC Guidi, Prof. A Lechi, Prof. G Pizzolo) from 2010 to 2013.

7 Principal investigator of the Joint Project University of Verona “Pharmacokinetic and pharmacodynamic characterization of tomato cysteine knot miniproteins” from 2012 to 2013

8 Principal investigator of a research unit “Project of translational medicine exploring the early events of cancer development: role of platelets in the intestinal tumorigenesis” (Project PRIN 2010FHH32M\_005) from 2013 to 2016.

9 Principal investigator of the project “Pharmacogenomics of aspirin” research grant from Cariverona Foundation 2015-2016

RECENT SCIENTIFIC COLLABORATIONS

Department of Pharmacology University of Chieti, Italy, Prof. Paola Patrignani

Department of Internal Medicine III University of Milano, Prof. Macro Cattaneo

Department of Pharmacology, New York Medical College, USA, Prof. Michal Schwarztman e Prof. Nicholas Ferreri: eicosanoids and pro-inflammatory cytokines in human hypertension and preeclampsia.

Department of Clinical Sciences/Medicine, Lund University, Malmö University Hospital, Sweden, Prof. Olle Melander: genetics of cardiovascular diseases and relations between genetic polymorphisms of cytochrome P450 isoforms and cardio-vascular phenotype.

Department of Medicine and Cardiovascular Research Centre, Harvard Medical School, Brigham and Women's Hospital, Boston, USA, Prof. Calum McRae: animal models in the investigation of angiogenesis and its pharmacological modulation.

Department of Internal Medicine, Cardiovascular Research Center, Section of Cardiovascular Medicine, Yale Medical School, USA, Prof. John Hwa: animal and in vitro models for the investigation of thrombogenesis and endothelial function.

EDITORIAL AND REVIEWING ACTIVITY

Executive Editor since 2003 of the British Journal of Clinical Pharmacology (official scientific journal of the British Pharmacological Society, Wiley-Blackwell , Oxford), confirmed up to 2017.

Executive editor of Frontiers in Pharmacology sine 2013

Reviewer for the scientific journals: British Journal of Clinical Pharmacology, Journal of Thrombosis and Haemostasis, Journal of Hypertension, Prostaglandins and Other Lipid Mediators, Journal of the American College of Cardiology, Antioxidants and Redox Signaling, The Lancet, Circulation, Free Radicals in Biology and Medicine, Cardiovascular Research, Cardiovascular Pharmacology, American Journal of Physiology, Thrombosis and Haemostasis, Thrombosis Research, Vascular Pharmacology.

CONGRESS ORGANIZATION

Organizer of the course NATO-ASI, Erice 7-17 September 2000 and editor with Prof. Richard Gryglewski of the book "Nitric Oxide: Basic Research and Clinical Applications", 2001, IOS Press, Amsterdam.

Organizer with J. Ritter, D. Sacerdoti and GP. Velo of the course “Eicosanoids in cardiovascular disease” E.Majorana Center for Scientific Culture, Erice,19-23 June 2011 and editor of the special issue of the scientific journal Prostaglandins and Other Lipid Mediators, March 2012.

Organizer of the courses: “Seminari Piastrine Verona” held in Verona, 2010-2015.

Organizer of the meeting “Clinical Read outs of COX isozyme inhibition” held in Verona, September 24th 2012

Organizer with J. Ritter, D. Sacerdoti, M.Schwartzman and GP. Velo of the course “Eicosanoids and related compounds”, E.Majorana Center for Scientific Culture, Erice, 2-7 September 2014 and editor of the special issue of the scientific journal Prostaglandins and Other Lipid Mediators, July 2015.

Organizer with GP Velo and F Violi of the course “Nutraceutucals” held In Erice September 26-30, 2015 and editor of a themed issue of Br J Clin Pharmacol, 2016

Organizer with GP Velo e J Arosons of the course "Medication errors" Erice 2-6 May 2016

Organizer with GP Velo, C Patrono, G Fitzgerald of the Course "Adventures in the lipidoma" Erice 26-30 September 2017

AFFILIATIONS TO SCIENTIFIC SOCIETIES

Fellow of the British Pharmacological Society

European Society of Hypertension

International Society of Hypertension

British Pharmacological Society

American Heart Association, Council on Arteriosclerosis, Thrombosis and Vascular Biology and Council on High Blood Pressure Research

International Atherosclerosis Society

Italian Society of Hypertension (Società Italiana per l'Ipertensione Arteriosa) since foundation in 1984

Italian society of Internal Medicine (Società Italiana di Medicina Interna)

Italian Society of Vascular Pathology (Società Italiana di Patologia Vascolare)

Italian Society of Atherosclerosis (Società Italiana per lo Studio dell'Aterosclerosi), member of the Council of the Veneto area from 2004 to 2006.

Italian Society of Thrombosis and Haemostasis (Società Italiana per lo Studio della Trombosi e dell’Emostasi)

Italian Study Group of Platelets (Gruppo Italiano per lo Studio delle Piastrine), one of the founders in the year 2000.

HONOURS AND SPECIAL RECOGNITIONS

European Clinical Hypertension Specialist by the European Society of Hypertension. Head of an Hypertension Excellence Centre of the European society of Hypertension since 2016

Responsible for the regional centre for the study of platelet disorders.

Member of the Ethics Committee for Clinical Research of the Verona and Rovigo Provinces since 2011.

Coordinator of the Triveneto section of the Italian Society of Hypertension (SIIA)2014-2017.

Member of the Board of the Italian Society of Hypertension (SIIA) since 2017.

Director of the International School of Pharmacology, E.Majorana Foundation and Centre for Scientific Culture, Erice, Italy

TEACHING ACTIVITY (MAIN ACTIVITIES)

Clinical Medicine and Geriatrics, degree course of Medicine, University of Verona.

Clinical Pathophysiology, degree course of Medicine, University of Verona.

Director of the Doctoral School “Life and Health Sciences” of the University of Verona.

Director of the School of Specialization in Internal Medicine, University of Verona since 2017.

CLINICAL ACTIVITY

Director of the Medical Unit of “General Medicine and Hypertension” at the Verona University Hospital.