

Curriculum vitae Blood Coagulation & Vascular Medicine Research

Prof. Dr. J.J. Michiels anno 1969-2019: Medical Education

1969 Medical Doctor, Radboud University medical Faculty, Nijmegen, The Netherlands

1969-1970: Primary Care Physician

1970-1975: Education Internal Medicine, General and Academic Medical Hospitals Nijmegen

1975-1980: Education Hematology and Bloodcoagulation Research, Erasmus University Academic, Hospital Dijkzigt, Rotterdam

1981: Thesis Erythromelalgia and Thrombocythemia, Erasmus University Academic Hospital, Dijkzigt Rotterdam. Rotterdam MPD Study Group → Rotterdam Clinical and Pathological (RCP) criteria of ET and PV.



My 1981 Thesis on Erythromelalgia & Thrombocythemia has been published in view of current insights: 1981→2017: Aspirin is a wonder drug for erythromelalgic microvascular disturbances caused by platelet mediated arteriolar inflammation and thrombosis in JAK2-thrombocythemia: a novel disease of platelet prostaglandin metabolism by Jan Jacques Michiels.

1981-1998 Staff member, Senior Investigator Lecturer on CML, MDS and MPD, Department of Hematology, Erasmus University Medical Center Rotterdam

1975-1981 Discover of Aspirin Responsive Erythromelalgia in Thrombocythemia and Discoverer of Familial Erythermalgia as a distinct disease entity.

1985-1998 Director Clinical Bloodcoagulation Disorders and Basic Research Thrombosis & Hemostasis Erasmus University Medical Center Rotterdam

1994-2008 Founder International Thrombocythemia Vera Study Group and the European Working Group on Myeloproliferative Neoplasms European Hematology Association (EHA).

2000->2018 Consultant professor Bloodcoagulation and Founder of the Hememostasis Research Unit and Von Willebrand Research Laboratory, University Hospital Antwerp.

1997-2008 Associate Editor Seminars in Thrombosis and Hemostasis.

2006->2019 CoFounder of the Central European Vascular: CEVF Forum, Deep Vein Thrombosis and Postthrombotic Syndrome Research project within the CEVF

2000-2008, Founder and Editor in Chief Seminars in Vascular Medicine, Thieme New York

2015->2019 International Collaboration and Academic Research on von Willebrand Factor and von Willebrand Disease (VWF-VWD) Antwerp, Brno, Bratislava London: Research Grant Antwerp University, Belgium.

2008->2019 Consultant and Visiting Professor Blood (MPN) and Coagulation Disorders, University of Brno and Bratislava (Research projects).

2014->2019 Editor in Chief Journal Hematology and Thromboembolic Diseases

2014->2019 Platform Obesity Netherlands (PON) and Platform Quality Driven Vascular Medicine on behave of the Dutch Society of Internal Medicine

1998->2019 Scientific Leader and Consultant Diagnosis and Treatment Laboratory, Primary Care Medicine Region Rotterdam, A Multidisciplinary Clinical Research project on Deep Vein Thrombosis and the Post-thrombotic syndrome in the primary care and hospital setting.

2012->2019 MPN Prospective Study Group on Vascular and Hematological Manifestations of ET and PV in General Hospitals South West The Netherlands, BRAVIS Hospital, Bergen op Zoom and North West Flandria, University Hospital Antwerp

2015->2019 Founder and Chair international Collaborations and Research on JAK2, CALR and MPL Myeloproliferative Neoplasms: ICAR.MPN for young promising investigators.

2016 Initiator and Founder of the International Collaborations and Academic Research on Congenital VWD and acquired VWD in thrombocythemias and autoimmune disorders for young promising investigators and professors




2016 Editorial Board Member World Journal of Hematology

Member Dutch, Belgian, European and International Societies on Thrombosis Hemostasis (ISTH) and Vascular Medicine, Dutch Society of Internal Medicine, European Hematology

Association (EHA), Honory Member American Society of Hematology (ASH).

Jan Jacques Michiels Curriculum vitae

Education

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| College | | | |
| Agriculture School, Farmer |  | 4 years | Cum laudeo |
| High School | | | |
| Preclinical Medical Student | | 3 years | Cum laudeo |
| Clinical Medical Student | | | |
| Medical Psychology, Human Neurology and Psychiatry → | | Prof JJ Prick |  |
| Catholoic University Nijmegen | | | |
| MD, Medical Doctor |  | 1969 | |
| Multidisciplinary Internist | | | |
| Hematologist Bloodcoagulation specialist | | 1980 | |
| PhD Thesis Promotor Prof J Abels | | | |
| Erythromelalgia and Thrombocythemia | | 1981 | |

Academic Scientific Achievements

Original publications on novel disease entities

Erythromelalgia and Migraine-like Ischemic Attacks (**MIAs**) caused by platelet mediated inflammation and thrombosis **Ann Int Med 1985, Neurology 1993**

Aspirin Responsive Platelet Thrombophilia in JAK2-Essential Thrombocythemia and Polycythemia Vera **PLATELET 1996, World J Hematology 2014**

Primary Erythromelalgia (PE) is an autosomal dominant incurable congenital disorder **Int J Dermatology 1988, Lancet 1990**

Location of the PE susceptibility gene on chromosome 2q **Drenth and Michiels 1992**

Discovery of a gain of function mutation in the Nav1.7 sodium channels as the cause of **neuropathic inherited PE** by Yang followed by Drenth Europe and Waxman USA

Common etiologic pathway of aspirin Erythromelalgia in JAK2-Thrombocythemia and incurable neuropathic Erythromelalgia in Nav1.7 channelopathy. **Michiels Expert Opinion Orphan Diseases 2016, in press**

2012->2019 CEO and Medical Director Goodheart Institute & Foundation in Nature Medicine & Health, Erasmus Tower Rotterdam, European Free University. 2014->2019 Visiting professor Hemostasis & Hematology Research Dept of Hematology University Hospital Comenius University Bratislava (Chief Prof Batorova). 2015->2019 Visiting Professor Romanian MPN Working Group, Bucharest. → MPN Manuscript MAEDICA 2016