

Pr. Françoise DIGNAT-GEORGE

Aix-Marseille University
Center for CardioVascular and Nutrition Research (C2VN)
Inserm 1263- – Inra 1260 – AMU
Faculté de Pharmacie – 13385 Marseille Cedex 5 - France

Telephone : + 33 4 91 83 56 00
e-mail : francoise.dignat-george@univ-amu.fr



EDUCATION AND TRAINING

- Professor of Immunology and Hematology
- Head of Department of Hematology, Conception Hospital, Marseille,
- Co-Director of Center for CardioVascular and Nutrition research,
- Vice President of Technology Transfer and Innovation
- Dean of the Faculty of Pharmacy, Marseille

ACADEMIC & RESEARCH ACTIVITIES

Françoise Dignat-George has a long-standing expertise on Vascular Biology, Hemostasis, Inflammation and Angiogenesis, with a great interest in Patient oriented/translational applications. The general objective is to understand the cellular and molecular control of endothelial dynamics in interaction with its environment and its dysregulation in vascular disorders, in order to identify new pathways and emergent therapeutic / diagnostic targets. This research strategy has been involved in developing the concept of “personalized vascular-targeted medicine”.

Major activity of her group also involves the discovery of a novel cell adhesive molecule localized at the endothelial junction, CD146, with a key role in inflammation, permeability and angiogenesis. Her laboratory has identified circulating endothelial cells and cell - derived microvesicles as key effectors able to disseminate procoagulant, proinflammatory or proteolytic information in the circulating blood with major implications in thrombo-inflammatory diseases and cancer. Her work contributed to identify these endothelial derived elements not only as emerging cellular biomarkers but also bioactive vectors of prime interest that worth to be transferred to the clinics. Accordingly, task forces also include original technologies for measurement of vascular biomarkers, coordination of international standardization studies and definition of guidelines for vascular monitoring .Different original assays, essential for research progress in this field have been developed by her group, thank to industrial partnership . Based on animal models and *in vivo* imaging, more recent research, on the repair functions of endothelial progenitors provided new insights in vascular risk definition and open promising avenues for regenerative medicine applied to vasculopathies

Françoise Dignat-George was President of the SSC Scientific Subcommittee on Vascular Biology and she belonged to the Scientific Council of the International Society of Thrombosis and Haemostasis from 2010 to 2014. She is on the editorial board of several high-ranking Journals. She is the author of 485 papers, 13 patents and 2 licenses in the field of Vascular Biology and Hemostasis. Her contribution to scientific research has been recognized by the attribution of scientific distinctions and awards, such as John Ugelstat Award or the Award Fondation Recherche Médicale « Cellular and Molecular Biology of the Endothelium »

