



International Society for Advancement of Cytometry

Pr. Françoise Dignat-George

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Director of Inserm Unit “Endothelium, Vascular Disorders and Therapeutic Target”

ACADEMIC & RESEARCH ACTIVITIES

Expertise on Vascular Biology, Hemostasis, Inflammation and Angiogenesis, with a great interest in Patient oriented/translational applications. She has a long-standing expertise in vascular biology. F. Dignat-George’s research is focused on the study of endothelial lesion versus regeneration mechanisms, and the translation of these knowledges to the identification of biomarkers of vascular risk and to the development of cell-based emergent therapeutics for regenerative medicine.

Major activity of her group also involved 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 micoparticles as key bioactive effectors able to disseminate procoagulant, proinflammatory or proteolytic information in work contributed to identify these endothelial derived elements not only as emerging cellular biomarkers but also pathogenic vectors of prime interest that worth to be transferred to the clinics. Different methodological approaches, essential for research progress in this field have been developed by her group.

F. Dignat-George is the President of the SSC Scientific Subcommittee on Vascular Biology and belongs to the Scientific Council of the International society of Thrombosis and Hemostasis and to the editorial board of several high-ranking Journals. She is the author of more than 140 papers and of 5 patents 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 of the Award Fondation Recherche Médicale « Cellular and Molecular Biology of the Endothelium ».