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### **Research Interests:**

#### ***Inflammation: from basic research to inflammatory diseases***

My research interests have been focused on the inflammatory reaction. I have first studied the complement system and, more specifically, the regulatory mechanisms of complement activation. I chose to work on complement factor H, a plasma complement regulatory protein; this work led to the molecular cloning of human complement factor H and to the elucidation of its primary amino acid sequence. With my collaborators, we characterized truncated forms of this molecule, and studied its polymorphism. I then became interested in the mechanisms by which inflammation regulates hematopoiesis. My recent work is focused on the role of platelets in inflammation. I am studying CD154, the ligand of CD40; blood platelets are its main blood reservoir and CD154 is playing a critical role in many aspects of the inflammatory reaction.

### **Keywords/expertise:**

- Hematology
- Inflammation
- Blood platelets
- Complement system
- Endothelium

## **Selected publications:**

- Ripoche J, Day AJ, Harris TJ, Sim RB. The complete amino acid sequence of human complement factor H. *Biochem J.* 1988 Jan 15;249(2):593-602
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## **Education:**

1980-1984, Medical Resident, Hematology , CHU de Rouen, France ; M.D, Université de Rouen, 1984  
EMBO post-doctoral fellow, MRC Immunochemistry Unit, Oxford University, UK, 1984-87  
Fondation pour la Recherche Médicale and NATO post-doctoral fellow, Department of Biology, University of California, San Diego, USA, 1991-92

## **Links:**

Aviesan : <http://cvscience.aviesan.fr/cv/503/jean-ripoche>

BxCR: Bordeaux Consortium for Tissue Engineering: <https://bcrm.u-bordeaux.fr>