

Two-year fixed-term contract
Signaling in Oncogenesis, Angiogenesis and Permeability,
Cancer & Immunology Research Center, INSERM, CNRS, Nantes University

Please visit our website: [@LabSoap](https://nbidere.wixsite.com/soap)

The “Signaling in Oncogenesis, Angiogenesis and Permeability” (SOAP) team is interested in deciphering how tumor cells pirate basic signaling pathways to sustain their survival and unlimited proliferation, as well as the way in which they interact within their environment. Fundamental signaling mechanisms are explored with a specific emphasis on deleterious remodeling of the vascular network associated to tumor.

We developed a specific expertise in the characterization of intracellular signaling pathways with a focus on brain tumors. More specifically, we have identified key factors released in the tumor microenvironment involved in tumor/endothelial bidirectional interactions. How this is translated into endothelial plasticity in the course of tumor progression warrants further investigation.

Our project combines high throughput unbiased screens (proteomic, genomic and chemical) with state-of-the-art biochemistry and cell biology (2D/3D cell models, super-resolution), as well as integrated models (mouse models and clinical samples) to explore intracellular signaling and cell communication.

We anticipate that our results will increase our knowledge on basic signaling mechanisms involved in tumor initiation, progression and resistance, and may help the design of new strategies to face devastating human cancers.

References

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Please send your application to julie.gavard@inserm.fr and isabelle.corre@univ-nantes.fr along with your CV, a motivation letter, and 2 reference letters.