

## Sophie MARTIN

Chargée de recherche CNRS

Leader of the group « Caveolin-1 and Cancer »

PhD, Hdr (ORCID : 0000-0002-2907-7445)



### CV

CRCN, CNRS (section 28)

N° agent : 00021721

UMR7021 CNRS

Tumor Signaling

Faculty of Pharmacy

74, route Rhin

67400 Illkirch, France

### Diplomas

Habilitation à Diriger des Recherches

(University of Strasbourg, 2017)

Authorization for scientific animal experimentation  
(University Louis Pasteur, 2001)

PhD in Life Sciences (University Louis Pasteur, 2002)

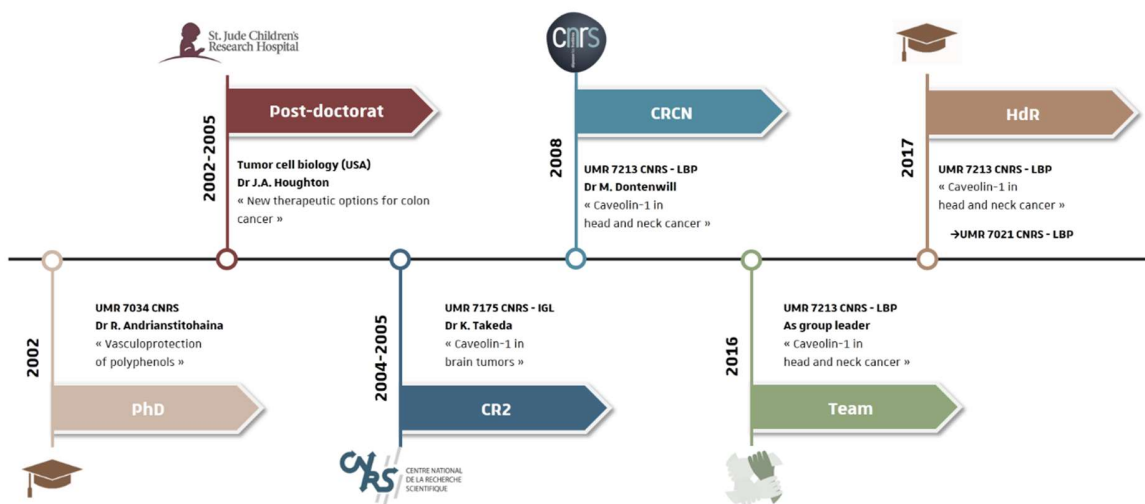
### Expertise

Caveolin-1 - miRNA

Biomarkers - Organoids

Solid tumors

- colon
- brain
- head and neck



### Research topic:

- Identification of caveolin-1 as an endogenous regulator of  $\alpha_5\beta_1$  integrin in high-grade gliomas and in head and neck cancers
- Identification of caveolin-1 as a marker of the aggressiveness of high-grade gliomas
- Identification of caveolin-1 and miRNA as a predictive and prognostic biomarker for metastasis and locoregional relapse of head and neck tumors
- Identification of new therapeutic targets for anti-tumor and anti-metastatic

**Teaching and university life:** University degree in theoretical and practical oncobiology (organization of the head and neck cancer workshop).

- Member of the development council of the Master of Biology and Health of Strasbourg
- Member of the theses commission of the Doctoral School ED414 of the University of Strasbourg

**Supervision:** 31 students: 4 PhD students (as director), 1 PharmD student, 1 MD student, 3 BTS/DUT, 6 Master 1, 9 Master 2, 4 students in pharmacy, 3 students in medicine

### Expertise:

- **National :** Grant reviewing (Ligue Contre le Cancer)
- **European :** Grant reviewing for the Fund for Scientific Research (F.R.S.-FNRS) in Belgium
- **International :** Reviewer for Journal of Oncology, Translational Oncology, International Journal of Cancers, Cancers. Editorial Board Member of Cancers

### Other:

- Elected member of the UMR7021 CNRS council
- Steering comity of the Organoids Reserach Group (GDR), Research expert

**Publications:** 42 publications, H index 19 (id HAL sophiecmartin)

