



+33 (0)3 68 85 41 97
+33 (0)6 //



sophie.martin@unistra.fr



UMR7021 CNRS - Faculty of
Pharmacy, 74, route du Rhin,
67400 Illkirch/Alsace /France



Linkedin: sophiemartin



www.lbp.unistra.fr



Twitter: lbp_illkirch

RESEARCH TOPICS

The clinical management of head and neck cancers differs from other cancers due to the absence of biomarkers that could guide the diagnosis, the prognosis or the therapeutic choice.

Our projects aim to identify biomarkers for early detection of relapse and for monitoring therapeutic efficacy, to establish patient-derived organoids for drug screening and to develop and validate new sensitive methods for the detection and the quantification of tissue and plasma miRNA/mRNA for point of care testing.

EDUCATION

Habilitation à diriger des recherches HDR
University of Strasbourg
2017

PhD in Life science
University of Strasbourg
2002

Authorization for scientific animal
experimentation
University of Strasbourg
2001

KEY WORDS

Solid tumors
Colon, Brain, Head and neck

Biomarkers
Integrins, caveolin-1, miRNA

Patient-derived culture models
2D patient-derived cell lines, 3D patient-derived organoids

POSITION HELD

Postdoctoral fellowship

2002-2005 St Jude Children's Research Hospital, Memphis, TN, USA

Subject: Therapeutic targeting of TRAIL in colorectal cancers under the supervision of Dr Houghton

CNRS researcher (CR2 and CR1)

2005-2016 UMR 7021 CNRS, Illkirch, France

Subject : Identification of biomarkers and therapeutic targets in glioblastomas and head and neck cancers

CNRS researcher (CRCN) - Group leader "Head and neck cancer"

2016-present UMR 7021 CNRS, Illkirch, France

The "head and neck cancer" group consists of 1 associate professor, 1 engineer, 3 PhD students, 3 Masters. Since the appointment of Dr Dontenwill as Associate scientific director at the INSB CNRS, I manage the day-to-day business of the "Translational oncology for solid tumors" team in her absence.

TEACHING

Head and neck cancer workshop DU in theoretical and practical oncobiology
University of Strasbourg

Master of Biomedicine
Master of Pharmacology and toxicology
University of Strasbourg, France

Master of Oncology
University of Nancy, France

REVIEWER

Grant reviewer
*National : Ligue contre le cancer, SiRIC CURAMUS
European: Belgium scientific research foundation
F.R.S.-F.N.R.S., Spanish "laCaixa" foundation*

Journals

*Cancers, International journal of cancers,
Bioengineering, Tumor biology, Embo molecular
medicine, Oncogene, Journal of oncology,
Translational oncology*

Member of the editorial board of Cancers

Guest editor for Cancers
Biomarkers and detection for head and neck
cancers (2022)

FUNDING

Ligue contre le cancer, ARC, URPS,
Alsace contre le cancer, Rotary Jetons
Cancer (590 000 euros since 2005)

SUPERVISION

38 students

4 PhD students (Director), 1 PharmD student (Director), 1 MD student, 4 engineer and technician students, 10 Masters 1, 12 Masters 2, 4 students in pharmacy and 3 students in medicine

ACADEMIC DUTIES

Member of the Development council of the Master of Biomedicine

Member of the Council of PhD defenses of the Doctoral school ED414 Life and Health

University of Strasbourg, France

COUNCIL AND STEERING COMITEE

Elected member of the UMR7021 CNRS scientific council



Member of the steering committee of the organoid research group "GDR 2102 Organoides"

Participation of the steering committee meetings of the "Head and neck group" UNICANCER



Member of the scientific council of BrightSens Diagnostics



Member of the scientific committee of the Wolfsberg meeting on molecular radiation biology/oncology (Norway, 2023)



Future leader of the Translational oncology team that will be created in 2024 (UMR 7021 CNRS)

BIBLIOMETRIC

Peer-reviewed articles: 41 - H-index 21

10 first author, 9 penultimate author and 3 last author - 6 <math>IF < 10</math> (19), 10 <math>IF < 20</math> (7) and $IF > 20$ (1) - Citations = 1393. ORCID 0000-0002-2907-7445.

