

Fleur LEROY

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EDUCATION

Master	University of Strasbourg, Faculty of Medicine Biology-Health Biomedical Research	2022 - Now
DFGSM	University of Strasbourg, Faculty of Medicine MD-PhD Excellence program Diploma of General Training in Medical Sciences	2020 - 2023
High school	Scientific high school diploma with highest honor Earth and life sciences Lycée Stanislas, Wissembourg	2020

AWARD

Mitacs Globalink Research Award	2023
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RESEARCH EXPERIENCE

IGBMC Research unit CNRS UMR 7104 - Inserm U 1258 Molecular and cellular biology of breast cancer Illkirch, France	2023 - Now
<ul style="list-style-type: none"><i>Role of membrane contact sites between organelles in breast cancer</i> supervised by Dr. Catherine-Laure Tomasetto	
Department of Biomedical and Molecular Sciences Queen's University Kingston, Canada	2023
<ul style="list-style-type: none"><i>Continuous Targeting Mammalian Neuraminidase-1 Critical Role in Multistage Tumorigenesis</i> supervised by Dr. Myron R. Szewczuk	
IREBS Research unit Unistra - CNRS UMR 7242 Biotechnologies and cell signaling, chemo-biological intervention Illkirch, France	2022
<ul style="list-style-type: none"><i>Development of gold nanobody-nanoparticle conjugates for cryo-EM detection of specific proteins in living cells</i> supervised by Dr. Guy Zuber	

Strasbourg University Hospital, France	2023
<ul style="list-style-type: none">• Pediatric orthopedic surgery (pre-externat internship)• Hepato-gastro-enterology• Ophthalmic surgery	
Strasbourg University Hospital, France	2022
<ul style="list-style-type: none">• Anaesthesiology and surgical resuscitation	
ICANS Strasbourg, France	2022
<ul style="list-style-type: none">• Onco-haematology	
Strasbourg University Hospital, France	2021
<ul style="list-style-type: none">• Cardiology	

PUBLICATIONS

Article

Baghaie, L., Haxho, F., **Leroy, F.**, Lewis, B., Wawer, A., Minhas, S., Harless, W. W., & Szewczuk, M. R. (2023). Contemporaneous Perioperative Inflammatory and Angiogenic Cytokine Profiles of Surgical Breast, Colorectal, and Prostate Cancer Patients: Clinical Implications. *Cells*, 12(23), 2767. <https://doi.org/10.3390/cells12232767>

Reviews

Lee, J., Lee, H., Sherbini, A. E., Baghaie, L., **Leroy, F.**, Abdel-Qadir, H., Szewczuk, M. R., & El-Diasty, M. (2024). Epigenetic MicroRNAs as Prognostic Markers of Postoperative Atrial Fibrillation: A Systematic Review. *Current problems in cardiology*, 49(1 Pt C), 102106. <https://doi.org/10.1016/j.cpcardiol.2023.102106>

Baghaie, L., **Leroy, F.**, Sheikhi, M., Jafarzadeh, A., Szewczuk, M.R., and Sheikhi, A. (2023). Contemporaneous SARS-CoV-2-Neutralizing Antibodies Mediated by N-glycan Shields. *Viruses* 15, 2079. <https://doi.org/10.3390/v15102079>

Moshe, D. L., Baghaie, L., **Leroy, F.**, Skapinker, E., and Szewczuk, M. R. (2023). Metamorphic Effect of Angiogenic Switch in Tumor Development: Conundrum of Tumor Angiogenesis Toward Progression and Metastatic Potential. *Biomedicines* 11(8), 2142. <https://doi.org/10.3390/biomedicines11082142>

LANGUAGES

French: Native language

English: Intermediate listener, novice speaker, advanced reading, and writing

COMPUTER SKILLS

Applications: Word, Excel, PowerPoint, Notion, ImageJ

SCIENTIFIC INTERESTS

- Surgery
- Oncology
- Immunology
- Pediatrics