



Laetitia Coassolo (Voilquin)

Postdoctoral Scholar, Pathology

Bio

BIO

I received my PharmD from the University of Strasbourg (France) in 2018. I completed my PhD in Oncology and Cell Biology in 2020 in Dr. Catherine Tomasetto's group in IGBMC (France) studying cell metabolism and cell signaling in breast cancer. I am now a postdoctoral fellow in Dr. Katrin Svensson lab and I am highly interested in understanding the molecular mechanisms of non-classical hormones in metabolic diseases.

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Dean's fellowship, School of Medicine, Stanford (2022)
- Ph.D research grant, allocated by the French Government after competitive exam, Doctoral School of Strasbourg (2016-2019)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- member, American Heart Association (AHA) (2021 - 2022)
- member, Stanford Cardiovascular Institute CVI (2022 - present)
- member, Stanford Diabetes Research Center (2021 - present)
- member, Maternal & Child Health Research Institute (MCHRI) (2021 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Universite De Strasbourg (2020)
- Doctor of Pharmacy, Universite De Strasbourg (2018)
- Master of Science, Universite De Strasbourg (2016)
- PhD, Doctoral School of Strasbourg, France , Molecular and cellular biology, lipid metabolism, cancer biology (2020)
- PharmD, University of Strasbourg, France , Pharmacy (2018)

STANFORD ADVISORS

- Katrin Svensson, Postdoctoral Faculty Sponsor

PATENTS

- Katrin J. Svensson, Laetitia Voilquin. "United States Patent 63/226,600 Therapeutic Uses of Isthmin Protein", Leland Stanford Junior University, Jul 28, 2022

Research & Scholarship

LAB AFFILIATIONS

- Katrin Svensson, Svensson lab (10/1/2020)

Publications

PUBLICATIONS

- **A class of secreted mammalian peptides with potential to expand cell-cell communication** *BioRxiv*
Wiggenhorn, A. L.
2023
- **Phosphoproteomic mapping reveals distinct signaling actions and activation of muscle protein synthesis by Isthmin-1** *eLife*
Zhao, M., Banhos Danneskiold-Samsøe, N., Ulicna, L., Nguyen, Q., Voilquin, L., Lee, D. E., White, J. P., Jiang, Z., Cuthbert, N., Paramasivam, S., Bielczyk-Maczynska, E., van Rechem, C., Svensson, et al
2022
- **Phosphoproteomic mapping reveals distinct signaling actions and activation of protein synthesis and muscle hypertrophy by Isthmin-1**
Zhao, M., Banhos Danneskiold-Samsøe, N., Ulicna, L., Nguyen, Q., Voilquin, L., Lee, D., White, J., Jiang, Z., Cuthbert, N., Paramasivam, S., Bielczyk-Maczynska, E., Van Rechem, C., Svensson, et al
bioRxiv.
2022
- **Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis.** *Cell metabolism*
Jiang, Z., Zhao, M., Voilquin, L., Jung, Y., Aikio, M. A., Sahai, T., Dou, F. Y., Roche, A. M., Carcamo-Orive, I., Knowles, J. W., Wabitsch, M., Appel, E. A., Maikawa, et al
2021
- **FFAT motif phosphorylation controls formation and lipid transfer function of inter-organelle contacts** *EMBO JOURNAL*
Di Mattia, T., Martinet, A., Ikhlef, S., McEwen, A. G., Nomine, Y., Wendling, C., Poussin-Courmontagne, P., Voilquin, L., Eberling, P., Ruffenach, F., Cavarelli, J., Slee, J., Levine, et al
2020; 39 (23): e104369
- **Modular Conjugation of a Potent Anti-HER2 Immunotoxin Using Coassociating Peptides** *BIOCONJUGATE CHEMISTRY*
Stoessel, A., Groybeck, N., Guyot, L., Barret, L., Nomine, Y., Nguekeu-Zebaze, L., Bender, A., Voilquin, L., Lutz, T., Pallaoro, N., Blocat, M., Deville, C., Masson, et al
2020; 31 (10): 2421-2430
- **Another hijack! Some enteroviruses co-opt the c10orf76/PI4KB complex for their own good.** *EMBO reports*
Voilquin, L., Di Mattia, T., Alpy, F.
2020; 21 (2): e49876
- **STARD3: A Swiss Army Knife for Intracellular Cholesterol Transport** *STARD3: A Swiss Army Knife for Intracellular Cholesterol Transport*
Voilquin, L., Lodi, M., Di Mattia, T., Chenard, M., Mathelin, C., Alpy, F., Tomasetto, C.
2019
- **Intracellular and Plasma Membrane Cholesterol Labeling and Quantification Using Filipin and GFP-D4** *INTRACELLULAR LIPID TRANSPORT: METHODS AND PROTOCOLS*
Wilhelm, L. P., Voilquin, L., Kobayashi, T., Tomasetto, C., Alpy, F., Drin, G.
2019; 1949: 137-152