

The Origins of Life meet Microfluidics... Inside a startup!

Camila Betterelli Giuliano



This project has received funding from the European Union's Horizon 2020 MSCA-INT under grant agreement No 813873 (ProtoMet).

Last 10 years of my life in a nutshell



Some degrees, quite a few countries

First Masters in **Biotech** After **Published** Bioscience graduating Engineering Paper **Enterprises** 2009 2012 2015 2016 2018





HARVARD UNIVERSITY



2014























2019

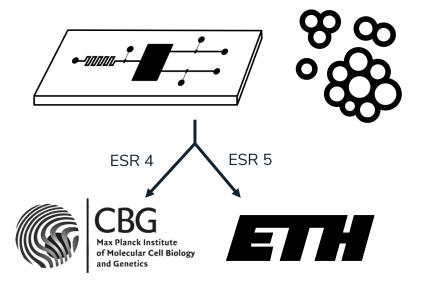
PhD Project



Precise control of pH and droplet size and composition within microfluidic devices

1st. Scientific Collaboration Project: Compartmentalization

Produce giant lipid vesicles (GUVs) via microfluidics



2nd. Product Development: pH control platform

Create a microfluidics platform to precisely control pH

Integrate pH platform with a temperature platform to perform protometabolic reactions



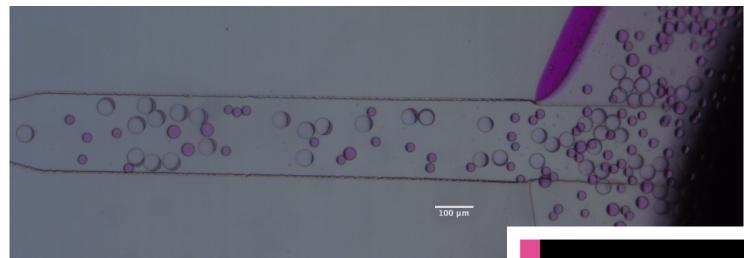


contact@elveflow.com

Some Results



Compartment production via microfluidics



Publication of a **Comprehensive Review** about Compartments

ChemSystemsChem



Review 🗇 Open Access 🚾 👣



Multivesicular Vesicles: Preparation and Applications

Camila Betterelli Giuliano, Nemanja Cvjetan, Dr. Jessica Ayache, Prof. Dr. Peter Walde 🔀

First published: 19 December 2020 | https://doi.org/10.1002/syst.202000049

contact@elveflow.com

