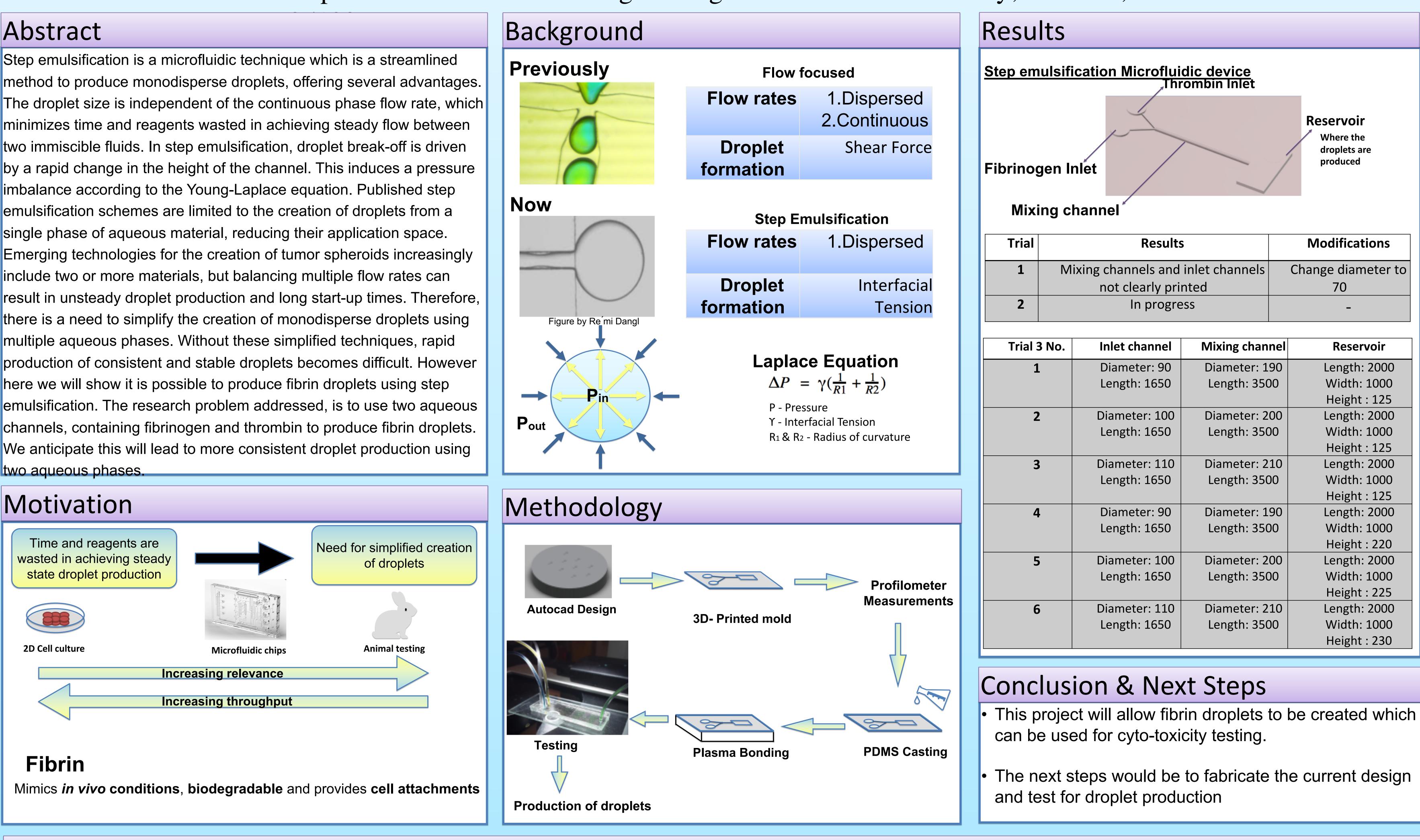
## SJSU SAN JOSÉ STATE UNIVERSITY

# **Fibrin Droplet Production Using Step Emulsification** Priyanka Sreeram, Tomas Jimenez, Dr. Melinda Simon

emulsification schemes are limited to the creation of droplets from a single phase of aqueous material, reducing their application space. include two or more materials, but balancing multiple flow rates can multiple aqueous phases. Without these simplified techniques, rapid here we will show it is possible to produce fibrin droplets using step two aqueous phases.



### References

Eberhardt, A., Bošković, D., Loebbecke, S., Panić, S., & Winter, Y. (2019). Customized Design of Scalable Microfluidic Droplet Generators Using Step-Emulsification Methods. Chemical Engineering and Technology. https://doi.org/10.1002/ceat.201900143

Eggersdorfer, M. L., Seybold, H., Ofner, A., Weitz, D. A., & Studart, A. R. (2018). Wetting controls of droplet formation in step emulsification. Proceedings of the National Academy of Sciences of the United States of America.

https://doi.org/10.1073/pnas.1803644115

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