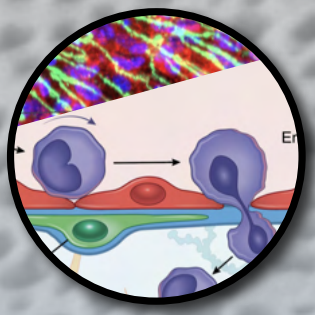
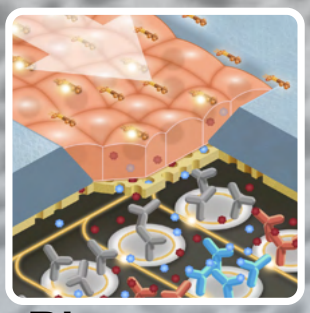
2023 MPS World Summit Workshop

The Modular μSiM as a Platform for Tissue Chip Development

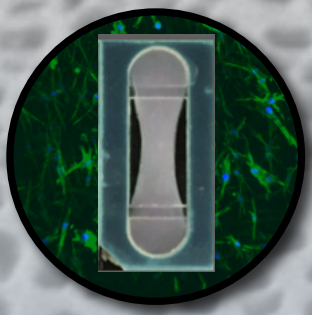
Sun. June 25: 1:30-4:30 PM
Salons 4 & 5



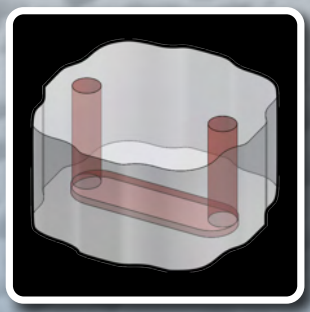
Blood Brain Barrier



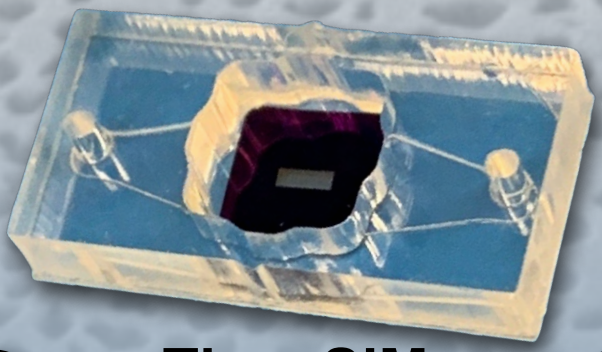
Biosensors



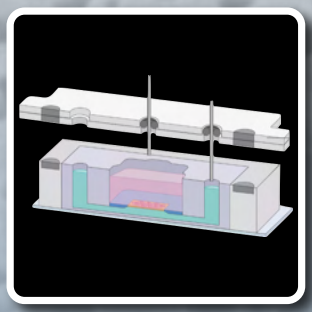
Tendon on a Chip



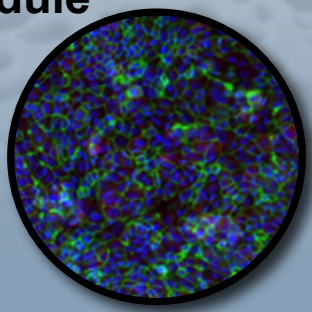
Flow Module



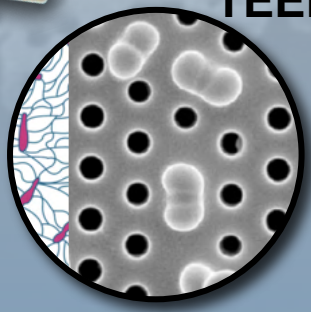
The μSiM



TEER Module



Retinal Blood Barrier



Bone Infection

- The diversity of tissue chips on display at the MPS World Summit makes clear that ideas for novel designs are limitless.
- Commercial systems are rarely optimized to test particular hypotheses or enable specific measurements.
- Custom academic solutions create bottlenecks because they are slow to manufacture and difficult to share.
- We developed the μSiM as a modular platform to build in vitro tissue models that can be easily customized.
- This workshop reviews the use of μSiM for the rapid design, customization, and distribution of tailored, application-specific tissue chip configurations.

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