



# Automatic Sphere Aggregate Dissociator for Stem Cell Expansion

## Contact:

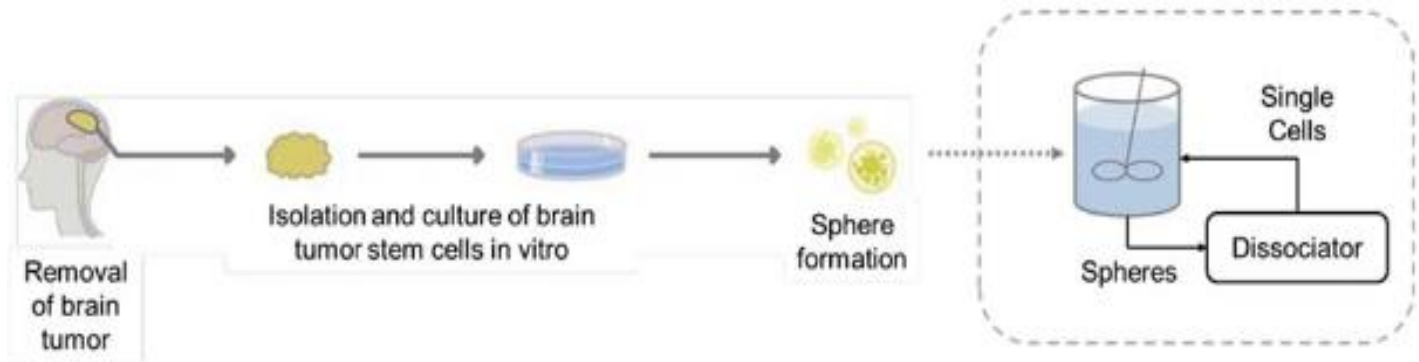
Dr. Rick Swatloski  
Director - OTT  
(205) 348-8583  
RPSwatloski@ua.edu

## Status:

Seeking R&D and/or  
licensing partner

## Inventor:

Dr. Yonghyun Kim  
Assistant Professor  
Chemical/Biological Engineering  
University of Alabama

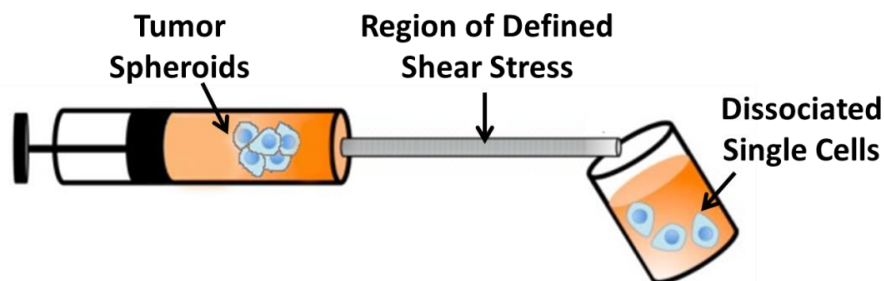


## Sphere Aggregate Dissociator

- Current method to dissociate cells is by using a pipette to break clumps in cell sphere formations
  - Process is time consuming and requires additional labor
- Process available as a stand-alone product for research in stem cells
- Technology applicable in industrial applications
  - Attaches to existing bioreactor systems
  - Helps to dissociate the cells which would then be circulated back into the reactor

## Advantages of Sphere Aggregate Dissociator

- Technology results in faster and more reliable dissociation
- Improves on the current manual dissociator technique,
  - Saves time and money
- Technology senses clumped cellular mass
  - Automatically breaks up clumps of mass



[For More Information, Click to View YouTube Pitch](#)