



A Novel Method for in situ Histological Processing for Bio-reactive Materials of 3D Cell Biomaterial Constructs

WORKSHOP

1:00 – 4:30PM

Monday, July 25th

**TRANSLATIONAL RESEARCH FACILITY
PATEWOOD CAMPUS**

Fragile biomaterials, such as alginate based hydrogels seeded with cells, are often disrupted by normal histological processing methods. This workshop will present the 3DKUBE™ 3D Cell Culture Plasticware as a means of conducting dynamic three-dimensional cell culture followed by safe and unmanipulated histological processing of fragile materials in situ. The first half of the workshop will provide the description of the methods involved in this process. The second half will provide an opportunity to see the 3DKUBE and section some of the glycol methacrylate embedded samples on an automated microtome. A quick stain will be applied and microscopic observations compared with this method and the current methods available for alginate based samples.

INSTRUCTORS:

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