NC STATE UNIVERSITY

- restore, maintain, or improve function of a host tissue¹.
- cellular morphology.
- developed for monolayer cell culture.

Current state of the art quality assessment methods -(Ex 530-560nm / Em 590nm)



Measurement Setup for the Assessment of Relative Human adipose derived stem cells (hASC) 2% Sodium alginate ABER Futura system with Flush probe

Beaker lia Alginate Construct	SCADA System Scar	juency 50 k for 1	Hz to 20,000 kH 5 minutes
nical 3D Bioprinted Constructs in Culture Over Time			

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
ed meniscus construct	Control:
es and monitored over	alamarBlue
s in culture	assay

onstruct	meniscus constructed from a patient's MRI Scan
ontrol: amarBlue say	Acellular meniscus bioprinted with optimal parameters, cultured in media containing 10% alamarBlue (aB) reagent.