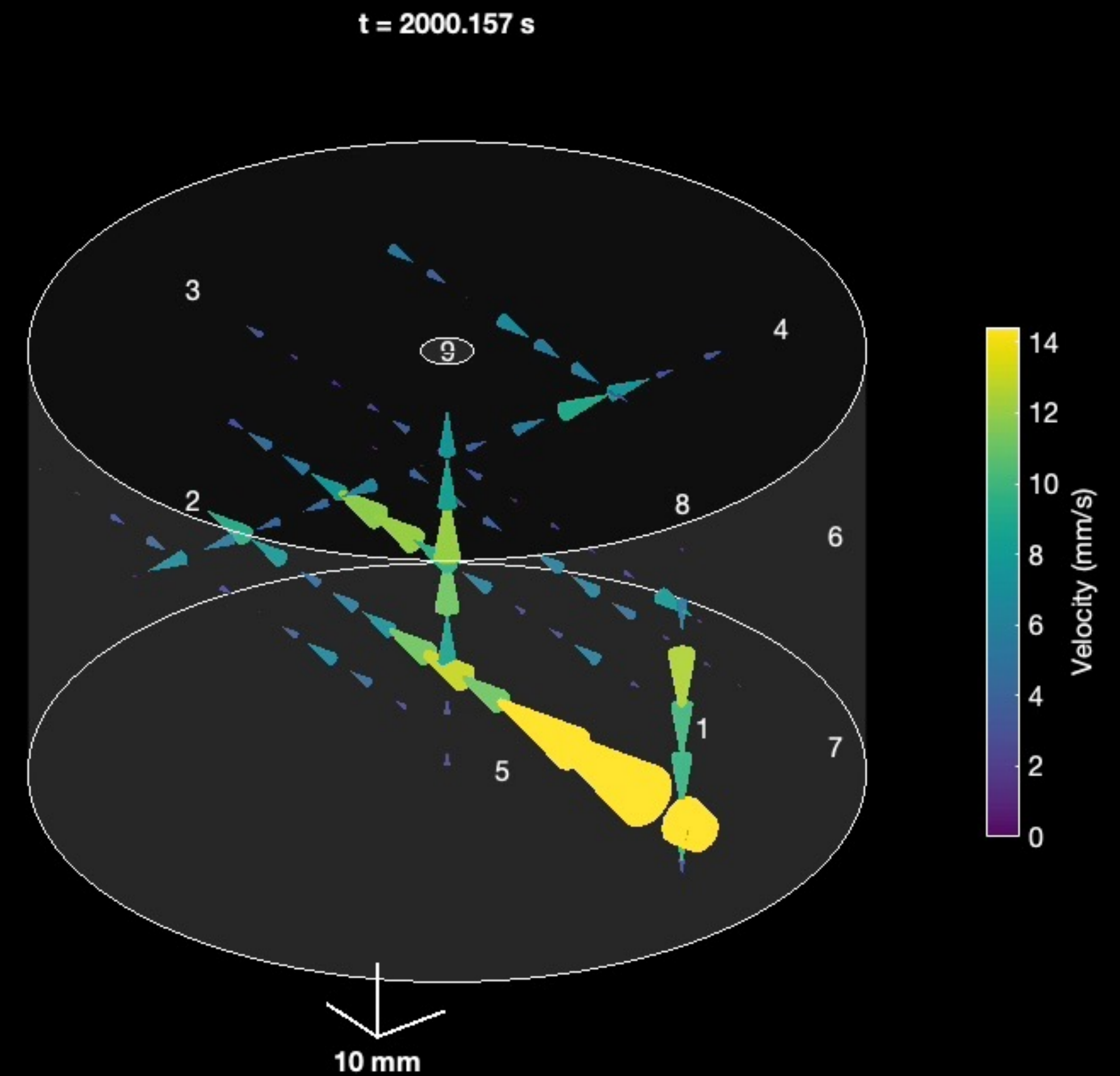


Fluid dynamics of brain cerebrospinal fluid with application to Alzheimer's, stroke, traumatic brain injury. Above: Automated tracking of tracer particles in the brain of a live mouse quantifies cerebrospinal fluid flow.



Liquid metal fluid dynamics with application to energy storage and metals manufacture. Above: Ultrasound velocity measurements in liquid gallium show flow structures in a laboratory liquid metal battery model.