

# Custom Instrumentation: *CryoCluster*

Collaboration between faculty, shared facilities, and industry to fabricate instrumentation for high-throughput cryogenic sample preparation

- With partner [Leica Microsystems](#), [Joester \(Seed\)](#) and [Dravid \(IRG 2\)](#) have developed a tool for cryo triple ion gun milling (*cryoTIGM*), a high-throughput approach to cryogenic sample preparation
- The *cryoTIGM* tool is the center piece of [NU \*CryoCluster\*](#), a comprehensive cryogenic sample preparation facility embedded in the open access [NUANCE](#) core facility that offers a broad range of cryo-imaging instrumentation to researchers in the Chicago area



V. Dravid



D. Joester

