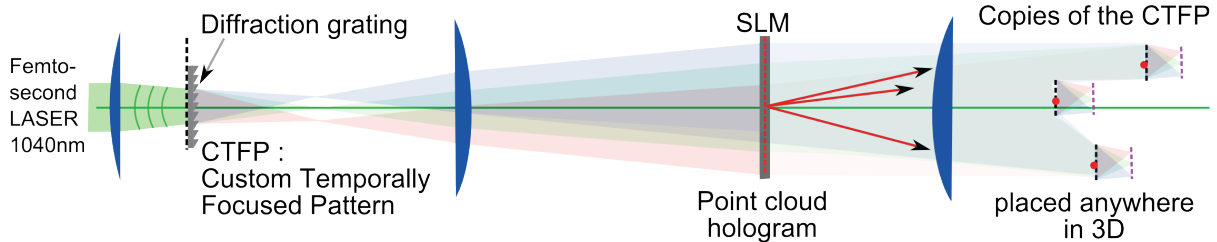


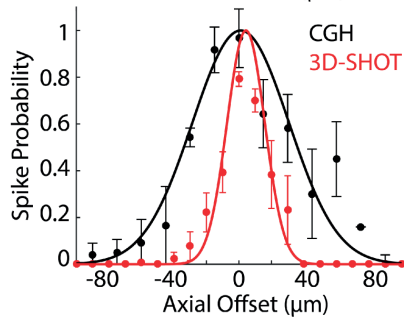
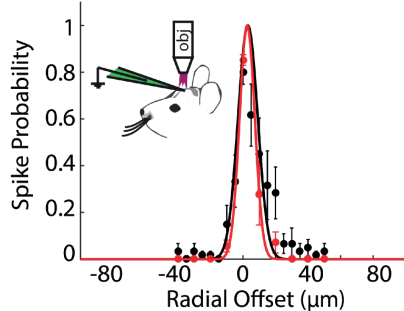
Nicolas C. Pégard, PhD

University of California, Berkeley

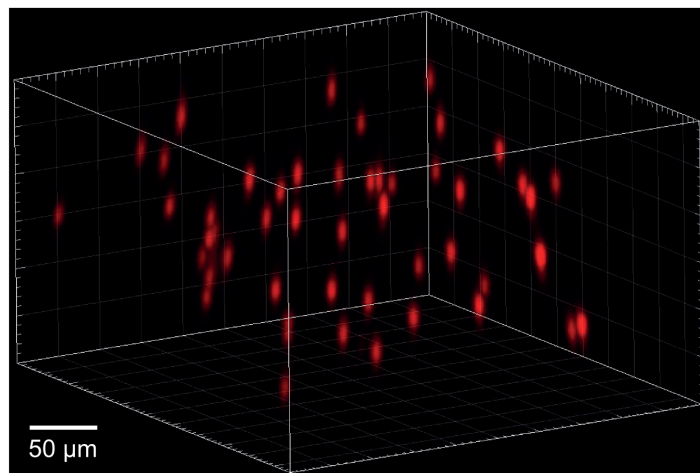
3D-SHOT combines holography and temporal focusing to stimulate custom neuron ensembles.



Single neuron spatial resolution.



Single-shot multiphoton photostimulation
in large 3D volumes.
(50 simultaneous neuron-sized targets)



***"Computational optics beyond imaging:
new instrumentation to monitor and
manipulate neural activity with light"***

**Thursday, January 25
10:00-11:00 AM**

**Allen Center
Room 164**