



NeuroNexus is taking the next step in neural probe technology by developing a probe that has an attached optic fiber for simultaneous optogenetic and recording capabilities. Every 16-channel electrode model in our catalog is compatible with this fiber optic modification.

Fiber Optic Components

ThorLabs AFS105/125Y Fiber

Material	Silica
Outer Diameter	125 μm
Connector Type	LC

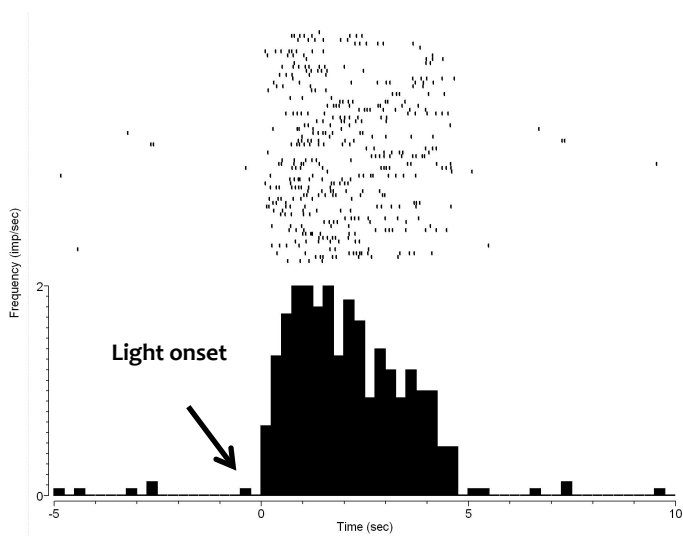
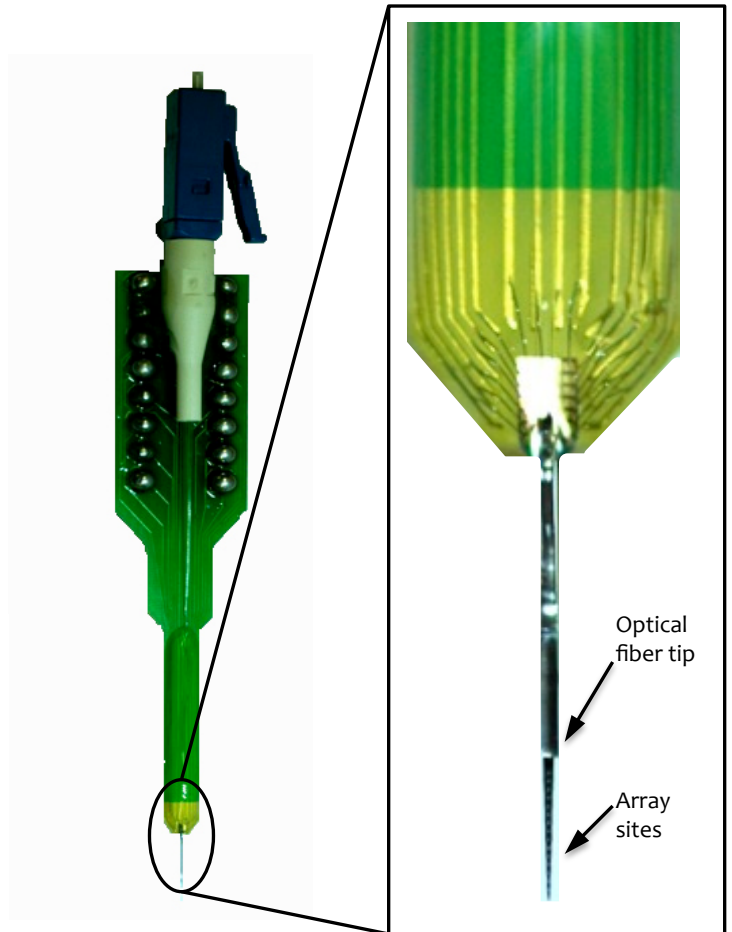


Figure to the left shows rasters and PSTH of single unit recorded on a channel of our electrode array. Robust evoked activity occurs in response to light onset through the coupled optic fiber in a channelrhodopsin modified neocortex of a mouse (data courtesy of Lex Kravitz).



The Optic Fibers can also be combined with our Drug Delivery Package (D-Series) for simultaneous recording optogenetics, and drug delivery. Such probes offer a wide variety of experiments.