

Materials List for:

# A Guide to *In vivo* Single-unit Recording from Optogenetically Identified Cortical Inhibitory Interneurons

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## Materials

Name	Company	Catalog Number	Comments
ChR2-EYFP Line	Jackson Colonies	12569	
Pvalb-iCre (PV) Line	Jackson Colonies	8069	
Sst-iCre (SOM) Line	Jackson Colonies	13044	
Cr-iCre (CR) Line	Jackson Colonies	10774	
Agarose	Sigma-Aldrich	A9793	Type III-A, High EEO
Micro Point (dural hook)	FST	10066-15	
Surgical Scissors	FST	14084-09	
Scalpel	FST	10003-12 (handle), 10011-00 (blades)	
Puralube Ophthalmic Ointment	Foster & Smith	9N-76855	
Homeothermic Blanket	Harvard Apparatus	<a href="#">507220F</a>	
Tungsten Microelectrodes	A-M Systems	577200	12 MΩ AC resistance, 127 μm diameter, 12° tapered tip, epoxy-coated
Capillary Glass Tubing	Warner Instruments	G150TF-3	
Heat Shrink Tubing	DigiKey	A332B-4-ND	
Zapit Accelerator	DVA	SKU ZA/ZAA	Use with standard Super Glue.
Microelectrode AC Amplifier 1800	AM Systems	700000	
MP-285 Motorized Micromanipulator	Sutter	MP-285	
4-channel Digital Oscilloscopes	Tektronix	TDS2000C	
Powered Speakers	Harman	Model JBL Duet	
Manual Manipulator	Scientifica	LBM-7	
800 μm Fiber Optic Patch Cable	ThorLabs	FC/PC BFL37-800	
Power Meter	ThorLabs	PM100D (Power Meter), S121C (Standard Power Sensor)	
475 nm Cree XLamp XP-E	DigiKey	XPEBLU-L1-R250-00Y01DKR-ND	LED power and efficiency are continually increasing, so we recommend checking for the latest products ( <a href="http://www.cree.com">www.cree.com</a> ).
Arduino UNO	DigiKey	1050-1024-ND	