

Materials List for:

Two-photon Calcium Imaging in Mice Navigating a Virtual Reality Environment

Marcus Leinweber^{1,2}, Pawel Zmarz^{1,2}, Peter Buchmann³, Paul Argast¹, Mark Hübener², Tobias Bonhoeffer², Georg B. Keller^{1,2}

¹Friedrich Miescher Institute for Biomedical Research

²Max Planck Institute of Neurobiology

³Department of Biosystems Science and Engineering, ETH Zurich

*These authors contributed equally

Correspondence to: Georg B. Keller at georg.keller@fmi.ch

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Materials

Name	Company	Catalog Number	Comments
Cover slips (diameter = 3-5 mm)	Menzel		window implant
InSight DeepSee laser	Spectra-Physics		microscope
12 kHz Resonance scanner	Cambridge Technology	G1-003-30026	microscope
Galvometer	Cambridge Technology	G6215H	microscope
Digitizer	National Instruments	NI 5772	microscope
FPGA	National Instruments	PXIe 7965R	microscope
Acquisition card	National Instruments	PCIe 6363	microscope
Emission filter 525/50	Semrock	FF03-525/50-25	microscope
Piezo-electric z-drive	Physikinstrumente	P-726.1CD	microscope
Controller for Piezo-electric drive	Physikinstrumente	E665 LVPZT	microscope
Objective 16X, 0.8NA	Nikon	CFI75	microscope
Current amplifier	Femto	DHPCA-100	microscope
Photomultiplier tube	Hamamatsu		microscope
USB Camera without IR filter	ImagingSource	DMK22BUC03	pupil tracking
Objective 50 mm	ImagingSource	M5018-MP	pupil tracking
Macro adapter rings	ImagingSource	LAexSet	pupil tracking
Optical computer mouse	Logitech	G500	motion tracking
Styrofoam ball 20 cm	e.g. idee-shop.de	08797.00.15	virtual environment
LED projector	Samsung	SP-F10M	virtual environment
Acquisition card	National Instruments	NI 6009	virtual environment
Panda3D game engine		www.panda3d.org	virtual environment
Numpy library for Python		www.scipy.org	virtual environment
Scipy library for Python		www.scipy.org	virtual environment
NI-DAQmx driver	National Instruments	www.ni.com	virtual environment
Ultrasound gel	Dahlhausen	5701.0342.10	imaging