

Materials List for:

# Investigating Motor Skill Learning Processes with a Robotic Manipulandum

Susan Leemburg<sup>1</sup>, Maiko Iijima<sup>1</sup>, Olivier Lamercy<sup>2</sup>, Lauriane Nallet-Khosrofian<sup>1</sup>, Roger Gassert<sup>2</sup>, Andreas Luft<sup>1</sup>

<sup>1</sup>Division of Vascular Neurology and Rehabilitation, Department of Neurology, University Hospital Zurich

<sup>2</sup>Rehabilitation Engineering Laboratory, Department of Health Sciences and Technology, ETH Zurich

Correspondence to: Susan Leemburg at [susanleemburg@gmail.com](mailto:susanleemburg@gmail.com), Andreas Luft at [andreas.luft@uzh.ch](mailto:andreas.luft@uzh.ch)

URL: <https://www.jove.com/video/54970>

DOI: [doi:10.3791/54970](https://doi.org/10.3791/54970)

## Materials

Name	Company	Catalog Number	Comments
ETH Pattus			ETH Pattus was made by the Rehabilitation Engineering Laboratory of Prof. Gassert at ETH Zurich.
Training cage			The plexiglass training cage was made in-house.
Pellet dispenser	Campden Instruments	80209	
45-mg dustless precision pellets	Bio-Serv	F0021-J	
GoPro Hero 3+ Silver Edition	digitec.ch	284528	Small highspeed camera
Small display	Adafruit Industries	#50, #661	128 x 32 SPI OLED display controlled via an Arduino Uno microcontroller and Labview software
LabVIEW 2012	National Instruments	776678-3513	ETH Pattus is compatible with more recent Labview versions.
Matlab 2014b	The Mathworks	MLALL	