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Q1 Faculty Information:

Last name:	Giszter
First name:	Simon
Faculty Position:	Professor
Department:	Neurobiology and Anatomy
Institution:	Drexel University College of medicine
Phone:	2159918412
Email Address:	sgiszter@drexelmed.edu

Q2 Type of Research? **Basic Science Research**

Q3 Please describe your research interests:

1. Basic organization of spinal and cortical motor control and modularity.
 2. Novel neuroprosthetics design and testing for neural recording in spinal cord and cortex.
 3. Novel robotic rehab and neuroprosthetic therapies to enhance recovery and plasticity after complete SCI.
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Medical Student Research Opportunities

Q4 Please provide a brief description of research opportunity/project(s):

1) Title of project(s):	Neuroprosthetic design, building and testing for neural recording and stimulation in spinal cord and brain.
Brief Description:	Design, building and in vivo testing of neuroprosthetics
Duration:	3 month periods
Time commitment:	Varies based on task and project
Specific Requirements:	Neurophysiology or engineering experience useful
Funded or unfunded (yes or no):	Yes, but unpaid
2) Title of project(s):	Robot assisted rehabilitation, viral and epidural stimulation after complete SCI
Brief Description:	Testing novel therapies after SCI in rats.
Duration:	Minimum 3 months
Time commitment:	Varies based on project and summer versus school year
Specific Requirements:	Comfort with animal research and care. Neurophysiology, PT or engineering background useful.
Funded or unfunded (yes or no);	Yes, but unpaid

Q5 Please indicate the specific level of experience required, if applicable:	Open to all medical students
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