

# POSTDOC OPPORTUNITIES

## Adaptation of internal motor copy circuits in recovery after spinal cord injury

Collaboration between Smith and Spence labs at Temple.

Smith Lab, Shriners Pediatric Research Center and Dept. of Neuroscience, Philadelphia

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Two postdoctorate fellowship positions are available to join an exciting new collaborative research effort of the Smith and Spence labs, starting September 1<sup>st</sup>, 2020. Funded by the NIH, the work will seek to determine whether a neuronal pathway that is normally associated with an error correction motor control function undergoes rehabilitative adaptation after spinal cord injury to compensate for loss of function in the cortico-spinal tract (CST). Experience in neuroscience broadly defined is required, with recovery surgery in rodents, behavioral analysis, viral genetic tracing tools, and spinal cord circuitry beneficial. Experience in gathering and analyzing kinematic data is also desirable. Please contact [george.smith@temple.edu](mailto:george.smith@temple.edu) or [aspence@temple.edu](mailto:aspence@temple.edu). The Smith and Spence labs currently form a vibrant group with a longstanding collaboration, multiple phd students, technicians, a postdoctorate fellow, and a host of undergraduate scholars, in the great city of Philadelphia, with strong ties to the Temple Medical School and to the group of Prof. Michel Lemay within Bioengineering. Funding is available for up to five years.

