POST-DOCTORAL ASSOCIATE:
The Language of Chronic Pain.

A postdoctoral position is available in the Pain and Perceptions laboratory of Dr. Paul Geha at The University of Rochester Medical Center, a nonprofit research institute. The post-doctoral candidate will be examining the language and facial expressions of chronic pain patients using natural language processing, facial action units, and acoustic analysis. The project will also examine whether the study of patients' language using these tools can predict outcome of treatment interventions. Data analysis involves computational linguistics, acoustic, and facial expression data analysis using data driven approaches and machine learning techniques.

The position is in collaboration with Thomas J. Watson Research Center (IBM) Computational Psychiatry Unit. The position involves also continuous interaction with other disciplines such as neuroimaging and local and national centers for the study of pain and opioid addiction. Fellows will have opportunities to work on neuroimaging data analyses and publications related to existing human research studies, conduct pilot studies, as well as spearhead independent projects by developing early career proposals.

Candidates should have a PhD or an MD, be proficient in spoken and written English, efficient and self-motivated, know how to interface with clinical services for patient recruitment, and work well in a team environment. Prior experience with machine learning, Matlab, and Python is a must and prior experience with C++ and computational statistics is preferred.

Please send application with C.V., contact information for three references, and statement of interests to paul_geha@urmc.rochester.edu.