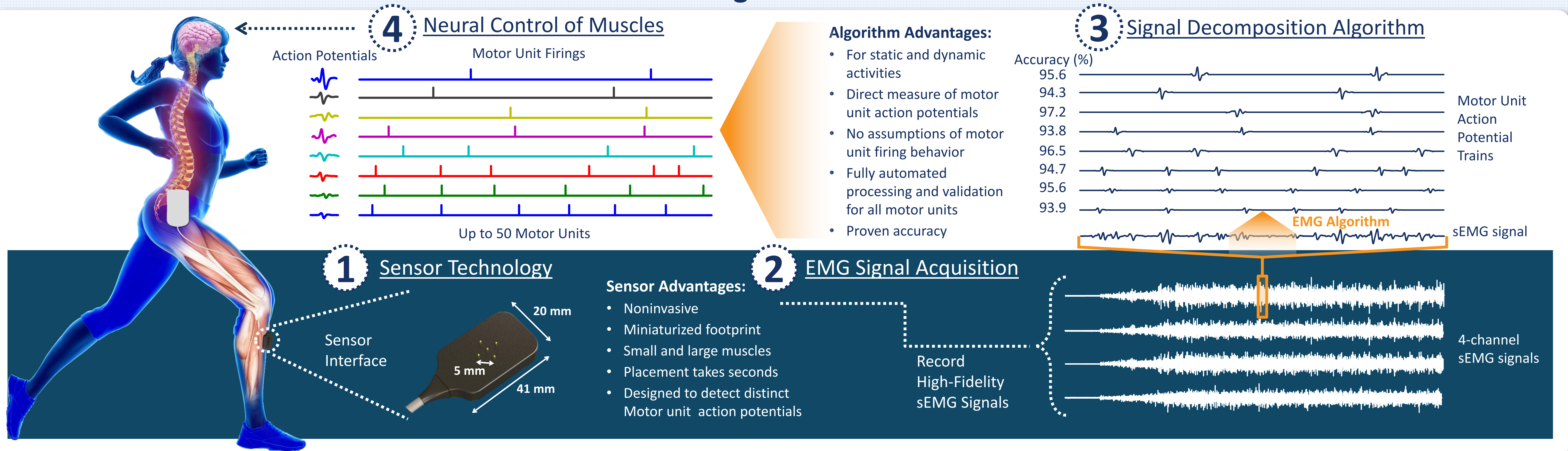


## Technological Innovation



## Research & Clinical Applications

### Outcome Measures for Stroke

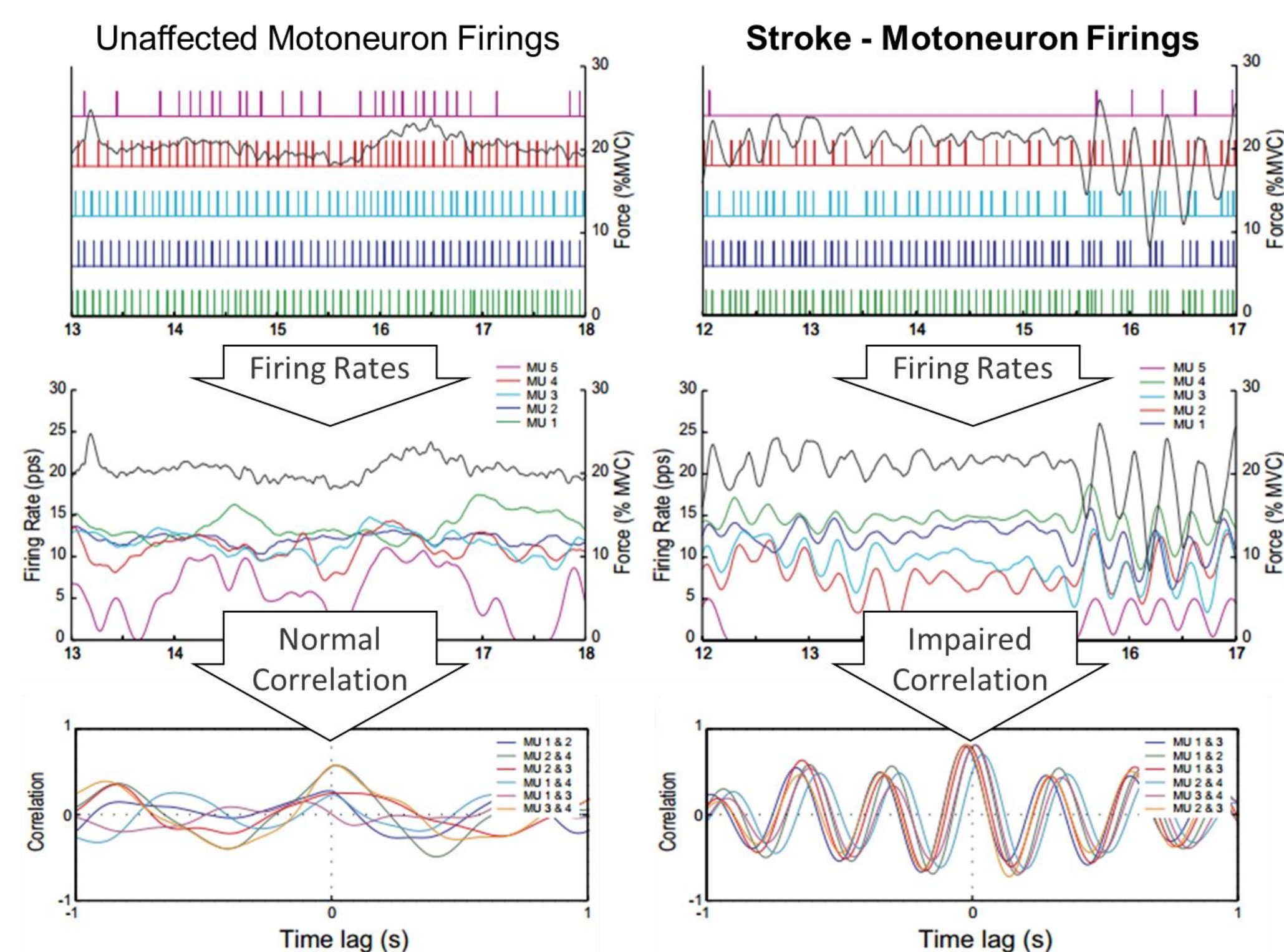
*J Neurophysiol* 96: 2769–2774, 2006.  
First published June 21, 2006; doi:10.1152/jn.00268.2006.

Report

#### Ordered Motor-Unit Firing Behavior in Acute Cerebellar Stroke

Chloe Sauvage,<sup>1</sup> Mario Manto,<sup>1</sup> Alexander Adam,<sup>2</sup> Rick Roark,<sup>3</sup> Patrice Jissendi,<sup>1</sup> and Carlo J. De Luca<sup>2</sup>

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### Neural Control of Dynamic Movement

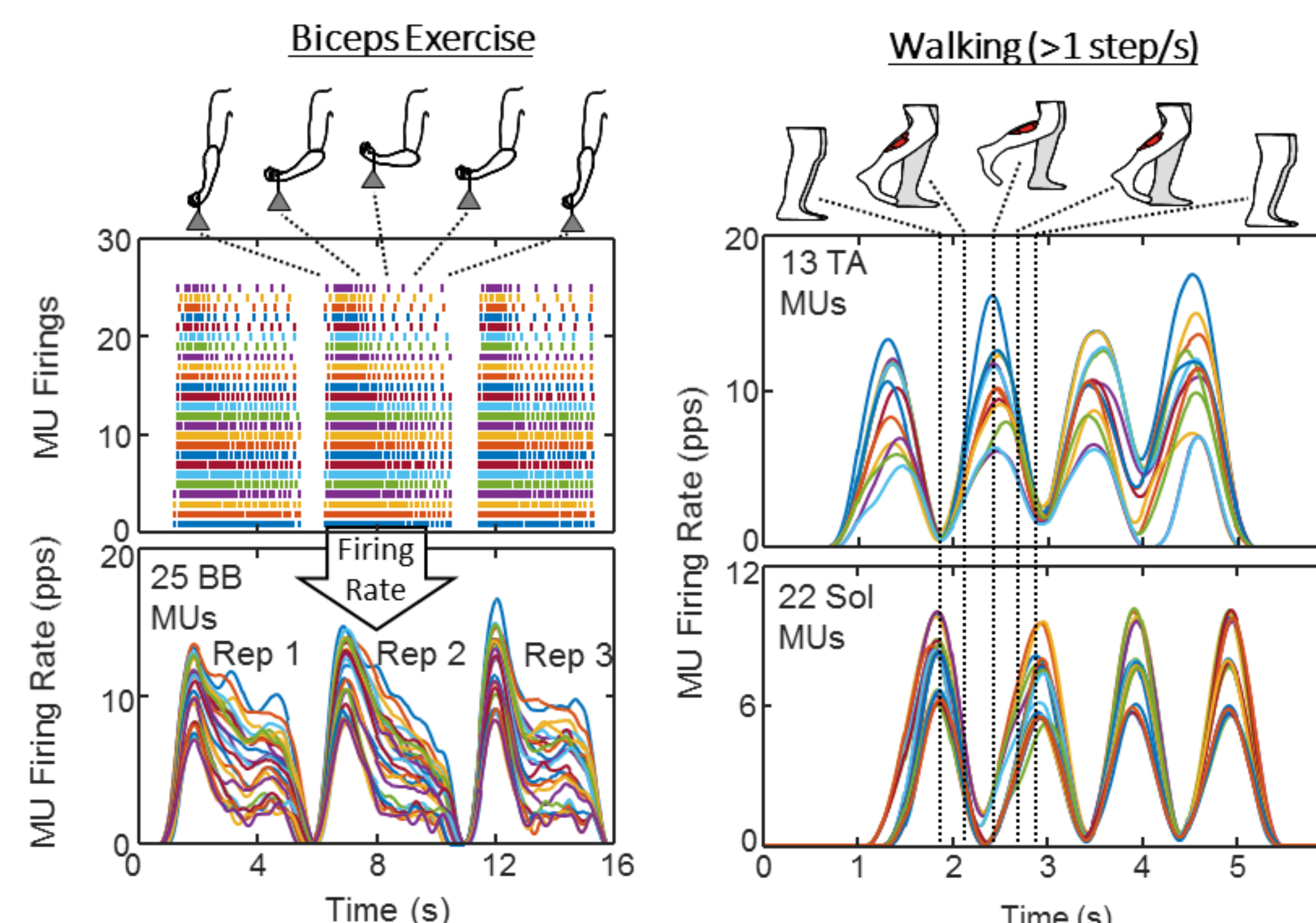
*J Neurophysiol* 113: 1941–1951, 2015.  
First published December 24, 2014; doi:10.1152/jn.00555.2014.

Innovative Methodology

#### Decomposition of surface EMG signals from cyclic dynamic contractions

Carlo J. De Luca,<sup>1,2,3,4,5,6</sup> Shey-Sheen Chang,<sup>6</sup> Serge H. Roy,<sup>1,5</sup> Joshua C. Kline,<sup>1</sup> and S. Hamid Nawab<sup>2,3</sup>

<sup>1</sup>NeuroMuscular Research Center, Boston University, Boston, Massachusetts; <sup>2</sup>Department of Biomedical Engineering,



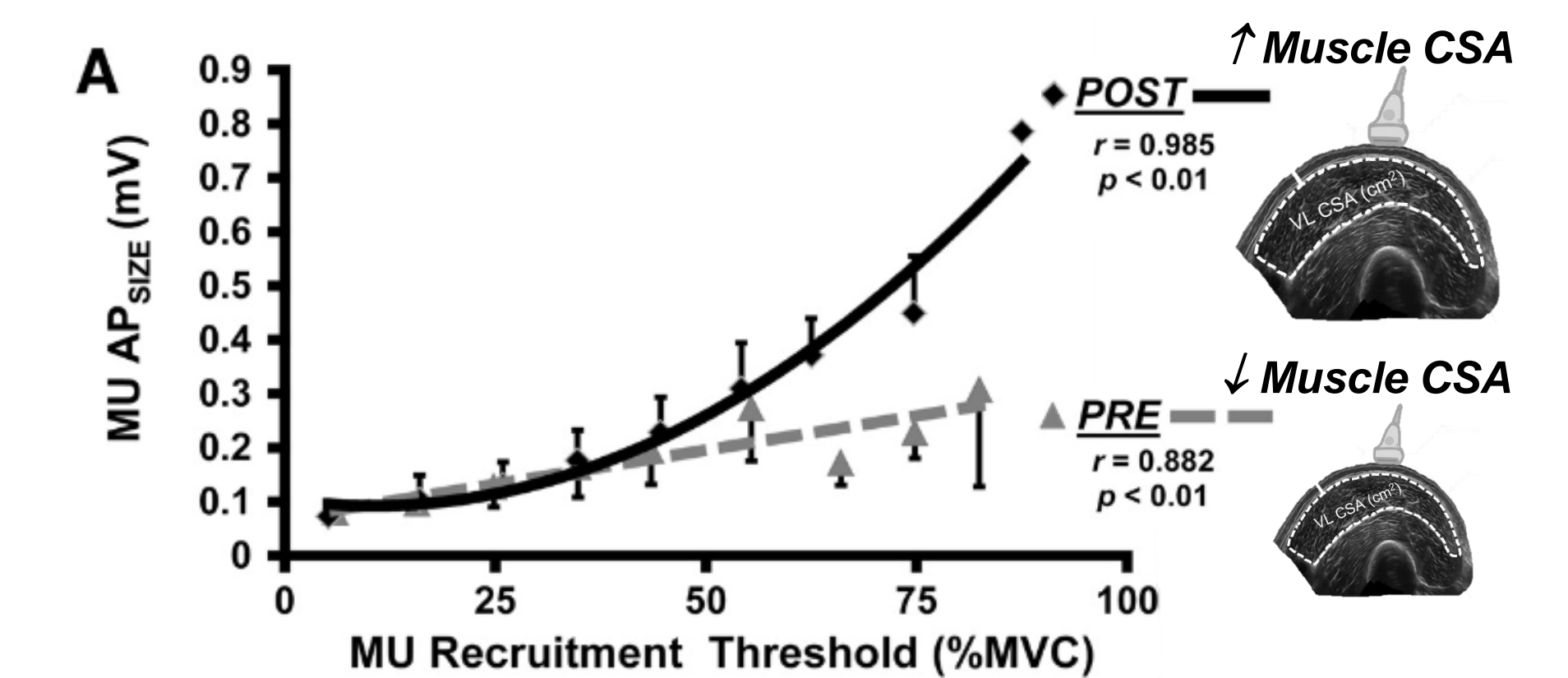
### Noninvasive Assessment of Muscle Morphology

Rapid Report

*J Neurophysiol* 115: 2608–2614, 2016.  
First published March 2, 2016; doi:10.1152/jn.00039.2016.

#### Action potential amplitude as a noninvasive indicator of motor unit-specific hypertrophy

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Applied Musculoskeletal and Human Physiology Laboratory, Oklahoma State University, Stillwater, Oklahoma



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