



## **NCM** 27<sup>th</sup> Annual Meeting, Dublin, Ireland

### Team Presentations

#### **Presynaptic inhibition for sensory-motor control**

Eiman Azim<sup>1</sup>, Nikolaos Balaskas<sup>2</sup>, Pablo Rudomin<sup>3</sup>, Jing Wang<sup>4</sup>, Kazuhiko Seki<sup>5</sup>, Thomas Jessell<sup>2</sup>, Elzbieta Jankowska<sup>6</sup>

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#### **Error, energy and reward: what drives sensorimotor adaptation?**

Timothy Carroll<sup>1</sup>, Max Donelan<sup>2</sup>, Alaa Ahmed<sup>3</sup>, Li-Ann Leow<sup>1</sup>, Joe Galea<sup>4</sup>

*<sup>1</sup>The University of Queensland, <sup>2</sup>Simon Fraser University, <sup>3</sup>The University of Colorado, <sup>4</sup>The University of Birmingham*

#### **What can mobile brain imaging with electroencephalography tell us about the neural control of movement?**

Daniel Ferris<sup>1</sup>, Johanna Wagner<sup>3</sup>, Klaus Gramann<sup>4</sup>

*<sup>1</sup>University of Michigan, <sup>3</sup>University of California, San Diego, <sup>4</sup>Berlin Institute of Technology*

#### **From single neurons to neural manifolds: A new framework for understanding neural control of movement**

Juan Gallego<sup>1</sup>, Emily Oby<sup>2</sup>, Surya Ganguli<sup>3</sup>, Christian Machens<sup>4</sup>, Kenneth Harris<sup>5</sup>

*<sup>1</sup>Northwestern University, <sup>2</sup>University of Pittsburgh, <sup>3</sup>Stanford University, <sup>4</sup>Champalimaud Foundation, <sup>5</sup>University College London*

#### **Neural Control and Recovery of Hand Function**

Tadashi Isa<sup>1</sup>, Stuart Baker<sup>2</sup>, Robert Brownstone<sup>3</sup>, Monica Perez<sup>4</sup>

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### **The motor system in acute and chronic pain**

Jason Kutch<sup>1</sup>, Stephen Coombes<sup>3</sup>, Kornelia Kulig<sup>1</sup>, Paul Hodges<sup>4</sup>

*<sup>1</sup>University of Southern California, <sup>3</sup>University of Florida, <sup>4</sup>University of Queensland*

### **How Do We Learn Sensorimotor Maps from Scratch?**

David Ostry<sup>1</sup>, Floris van Vugt<sup>1</sup>, Megan Thompson<sup>2</sup>, Philip Sabes<sup>2</sup>, Ferdinando Mussa-Ivaldi<sup>3</sup>

*<sup>1</sup>McGill University, <sup>2</sup>University of California San Francisco, <sup>3</sup>Northwestern University*

### **Distinct neural circuits for control of movement vs. holding still**

Reza Shadmehr<sup>1</sup>, Robert Scheidt<sup>2</sup>, Yifat Prut<sup>3</sup>

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