

## Poster Session

<b>P1</b>	<b>William Barnett</b> , Martin Anquez, Gennady Cymbalyuk <i>Pattern scaling in neuronal dynamics</i>
<b>P2</b>	<b>Vladimir E. Bondarenko</b> and Andrey L. Shilnikov <i>Autonomous spiking and bursting in a mouse ventricular cell model</i>
<b>P3</b>	<b>Mirza Dobric</b> and Robert Clewley <i>Multi-modal optimization techniques for biophysical neuron models.</i>
<b>P4</b>	<b>Anca Doloc-Mihu</b> and Ronald Calabrese <i>Analyzing how varying neuronal parameters influence network activity using a database of computational models of a half-center oscillator</i>
<b>P5</b>	<b>Gregory Filatov</b> and Maxim Bazhenov <i>Role of Extracellular <math>K^+</math> Dynamics in Network Synchronization.</i>
<b>P6</b>	<b>Sajjya Jalil</b> , Andrey Shilnikov, Igor Belykh <i>Synchronization in a bursting half-center oscillator with slow-to-fast reciprocal inhibition.</i>
<b>P7</b>	<b>Alexander N. Klishko</b> and Boris I. Prilutsky <i>Firing rates of cat muscle Ia, Ib, II and paw cutaneous afferents during walking computed using a musculoskeletal hindlimb model</i>
<b>P8</b>	<b>Alexey Kuznetsov</b> <i>Mechanisms of frequency control in the midbrain dopaminergic neuron.</i>
<b>P9</b>	<b>Giri P Krishnan</b> and Maxim Bazhenov <i>Modulation of bursting and tonic activity during seizure by ion concentrations explains spontaneous seizure termination.</i>
<b>P10</b>	<b>Tatiana Malaschenko</b> and Gennady Cymbalyuk <i>Good currents playing bad: propensity to bi-stability in neuronal dynamics</i>
<b>P11</b>	<b>Peter Rowat</b> <i>"Distribution of Burst Length and Inter-Burst-Interval of the stochastic Morris-Lecar Neuron"</i>
<b>P12</b>	<b>Wondimu Teka</b> <i>From Plateau to Pseudo-Plateau Bursting: Making the Transition.</i>
<b>P13</b>	<b>Wafa Soofi</b> <i>Covarying ionic conductances to emulate phase maintenance in stomatogastric neurons</i>
<b>P14</b>	<b>David Qian</b> , Gennady Cymbalyuk and Bill Walthall <i>Deviations from the straight and narrow: C. elegans uncoordinated mutants that Circle.</i>
<b>P15</b>	<b>Yaroslav I. Molkov</b> , Jonathan E. Rubin, Bartholomew J. Bacak, Natalia A. Shevtsova, Jeffrey C. Smith and Ilya A. Rybak <i>Modeling State-Dependent Interactions between BötC/pre-BötC and RTN/pFRG oscillations</i>
<b>P16</b>	<b>Jeremy Wojcik</b> and Andrey Shilnikov <i>Poincare Mappings for Models of Elliptic Bursters</i>
<b>P17</b>	<b>Xiaoli Zhang</b> , Junda Su, Ningren Cui, Hongyu Gai, Zhongying Wu and Chun Jiang <i>The breathing disorders of a mouse model of Rett syndrome are linked to defects in central CO<sub>2</sub> chemosensitivity of locus coeruleus neurons</i>
<b>P18</b>	<b>Yang Yang</b> , Weiwei Shi, Ningren Cui, Xianfeng Chen, T. Trower, and Chun Jiang <i>Reactive oxygen species (ROS) inhibit KATP channel via S-glutathionylation.</i>
<b>P19</b>	<b>Cengiz Gunay</b> , Fred Sieling, Logesh Dharmar and Astrid Prinz <i>Characterizing change in activity patterns in a Drosophila motoneuron with different sodium channel splice variants.</i>