Models of Respiratory-Cardiovascular Interactions During Sleep

June 17, 2000
Monte Carlo Resort & Casino
3770 Las Vegas Blvd.
Las Vegas, Nevada

Organized by
Michael C.K. Khoo, Ph.D.

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Biomedical Technology Program
National Center for Research Resources
National Institutes of Health
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 - 8:00</td>
<td>Registration &amp; Continental Breakfast</td>
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<td></td>
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<tr>
<td>8:00 - 8:10</td>
<td>Introduction &amp; Overview</td>
<td>Michael C.K. Khoo</td>
<td>University of Southern California</td>
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<tr>
<td>8:10 - 8:50</td>
<td>Respiratory and Cardiovascular Variability During Sleep Onset</td>
<td>John Trinder</td>
<td>University of Melbourne</td>
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<tr>
<td>8:50 - 9:30</td>
<td>Dynamic Aspects of Cardiovascular Control from Beat-to-Beat Analysis of 24-hour Blood Pressure and Heart Rate Variability</td>
<td>Marco Di Rienzo</td>
<td>LaRC - Centro di Bioingegneria</td>
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<tr>
<td>9:30 - 10:10</td>
<td>Closed and Open Loop Control of Beat-to-Beat Heart Rate and Blood Pressure: Models, Data and Respiratory Interactions</td>
<td>J. Philip Saul</td>
<td>Medical University of South Carolina</td>
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<tr>
<td>10:10 - 10:30</td>
<td>Break</td>
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<tr>
<td>10:30 - 11:10</td>
<td>State-related Cardiovascular and Respiratory Interactions: Protective Mechanisms During Challenges</td>
<td>Ronald M. Harper</td>
<td>University of California, Los Angeles</td>
</tr>
<tr>
<td>11:10 - 11:50</td>
<td>Acute Neurocirculatory Consequences of Apnea, Hypopnea, and Arousal</td>
<td>Barbara J. Morgan</td>
<td>University of Wisconsin-Madison</td>
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<tr>
<td>11:50 - 1:00</td>
<td>Lunch</td>
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<tr>
<td>1:00 - 1:40</td>
<td>Autonomic Cardiovascular Control in Obstructive Sleep Apnea</td>
<td>Virend K. Somers</td>
<td>Mayo Clinic</td>
</tr>
<tr>
<td>1:40 - 2:20</td>
<td>Respiratory-Cardiovascular Interactions in a Model of Sleep Apnea</td>
<td>Eliot A. Phillipson</td>
<td>University of Toronto</td>
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</table>
2:20 - 2:40  Break

2:40 - 3:20  Cardiopulmonary Interactions in Sleep Apnea and Heart Failure: Influence of CPAP  T. Douglas Bradley
University of Toronto

3:20 - 4:00  Modeling of Autonomic Cardiovascular Control in Obstructive Sleep Apnea  Michael C.K. Khoo
University of Southern California

4:00 - 5:00  Summary & General Discussion  Philip R. Westbrook
Pacific Sleep Medicine

5:00 - 6:30  Reception  Micro Brewery
Biomedical Simulations Resource (BMSR)
University of Southern California

15th Annual Workshop

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