Random Graphs in the Brain

Workshop

NeuroMat - November 23-27, 2015/ São Paulo, Brazil

Time Schedule

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<tr><th>HOUR</th><th>MONDAY 23</th><th>TUESDAY 24</th><th>WEDNESDAY 25</th><th>THURSDAY 26</th><th>FRIDAY 27</th></tr>
<tr><td>9:30-10:30</td><td></td><td>MERCER (lecture 2)</td><td>MERCER (lecture 3)</td><td>HOFSTAD/ KOLUMBÁN (lecture2)</td><td>HOFSTAD/ KOLUMBÁN (lecture 3)</td></tr>
<tr><td>10:30-11:00</td><td>Reception</td><td colspan="4">Coffee Break</td></tr>
<tr><td>11:00-12:00</td><td>GALVES NeuroMat Questions</td><td>SCHÜZ (lecture 1)</td><td>SCHÜZ (lecture 2)</td><td>SCHÜZ (lecture 3)</td><td>SCHÜZ (lecture 4)</td></tr>
<tr><td>12:00-14:00</td><td colspan="5">Lunch</td></tr>
<tr><td>14:00-15:00</td><td>MERCER (lecture 1)</td><td rowspan="3">FAPESP INTERNATIONAL EVALUATION COMMITTEE VISIT/ INSTITUTE BUTANTAN VISIT</td><td>RIBEIRO (presentation)</td><td>WINKLER (presentation)</td><td rowspan="6"></td></tr>
<tr><td>15:00-15:15</td><td>Coffee Break</td><td colspan="2">Coffee Break</td></tr>
<tr><td>15:15-16:15</td><td>HOFSTAD/ KOLUMBÁN (lecture 1)</td><td rowspan="3">Working Groups</td><td rowspan="3">Working Groups</td></tr>
<tr><td>16:15-17:00</td><td rowspan="2">Coffee Break</td></tr>
<tr><td>17:00-17:30</td><td>Coffee Break</td></tr>
<tr><td>17:30-18:00</td><td rowspan="2">Open Questions Session</td><td rowspan="2">IVAN VILELA (Brazilian ten strings guitar concert)</td><td colspan="2">Coffee Break</td></tr>
<tr><td>18:00-19:00</td><td>SZPANKOWSKI (guest talk)</td><td>FERRARI (tutorial)</td></tr>
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Monday 23

10h30-11h00 *Reception*

11h00-12h00 **Initial Address: NeuroMat Questions**
Antonio Galves (University of São Paulo, Brazil)

12h00-14h00 *Lunch*

14h00-15h00 **Lecture: "Combined electrophysiological and anatomical studies: Methodological aspects"**
Audrey Mercer (University College London, United Kingdom)

15h00-15h15	*Coffee break*
15h15-16h15	**Lecture: ”Modeling structure and function of complex networks and the brain”** Remco van der Hofstad and Sándor Kolumbán (Eindhoven University of Technology, The Netherlands)
16h15-17h30	*Coffee break*
17h30-19h00	**Open Questions Session** Chair: Christophe Pouzat (Université Paris Descartes, France)

Tuesday 24

9h30-10h30	**Lecture: "Combined electrophysiological and anatomical studies: Quantitative analysis"** Audrey Mercer (University College London, United Kingdom)
10h30-11h00	*Coffee break*
11h00-12h00	**Lecture: “Quantitative neuroanatomy as a tool to understand cortical function. Part 1: methodological aspects"** Almut Schüz (Max Planck Institute for Biological Cybernetics, Germany)
12h00-14h00	*Lunch*
14h00-17h00	**FAPESP International Evaluation Committee Visit/ Institute Butantan Visit**
17h00-17h30	*Coffee break*
17h30-19h00	**Ivan Vilela: Brazilian ten strings guitar concert**

Wednesday 25

9h30-10h30	**Lecture: "Selectivity and specificity in cortical circuits"** Audrey Mercer (University College London, United Kingdom)

10h30-11h00	*Coffee break*
11h00-12h00	**Lecture: "Quantitative neuroanatomy as a tool to understand cortical function. Part 2: network structure and functional conclusions"** Almut Schüz (Max Planck Institute for Biological Cybernetics, Germany)
12h00-14h00	*Lunch*
14h00-15h00	**Presentation: "Memory formation, consolidation and restructuring"** Sidarta Ribeiro (Federal University of Rio Grande do Norte, Brazil)
15h00-15h15	*Coffee break*
15h15-17h30	**Working Groups**
17h30-18h00	*Coffee break*
18h00-19h00	**Guest Talk: "Emerging frontiers of Science of Information"** Wojciech Szpankowski (Purdue University, USA)

Thursday 26

9h30-10h30	**Lecture: "Modeling structure and function of complex networks and the brain"** Remco van der Hofstad and Sándor Kolumbán (Eindhoven University of Technology, The Netherlands)
10h30-11h00	*Coffee break*
11h00-12h00	**Lecture: "Cortico-cortical long- and middle-range connectivity: anatomical data from mouse and monkey"** Almut Schüz (Max Planck Institute for Biological Cybernetics, Germany)
12h00-14h00	*Lunch*
14h00-15h00	**Presentation: "Measuring and comparing brain cortical surface area and other areal quantities"**

	Anderson Winkler (University of Oxford, United Kingdom)
15h00-15h15	*Coffee break*
15h15-17h30	**Working Groups**
17h30-18h00	*Coffee break*
18h00-19h00	**Tutorial: “Stochastics systems with a large number of interacting components"** Pablo Ferrari (Universidad de Buenos Aires, Argentina)

Friday 27

9h30-10h30	**Lecture: "Modeling structure and function of complex networks and the brain”** Remco van der Hofstad and Sándor Kolumbán (Eindhoven University of Technology, The Netherlands)
10h30-11h00	*Coffee break*
11h00-12h00	**Lecture: "Cortico-cortical long-range connectivity: anatomical data from the human cortical white matter"** Almut Schüz (Max Planck Institute for Biological Cybernetics, Germany)
12h00-14h00	*Lunch*