

Working Group: Multiscale Modeling of the Life Cycle of *Toxoplasma gondii*

Third meeting, December 17-19, 2012

Monday, December 17

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| 8:15-8:45 | Breakfast at NIMBioS |
| 8:45-9:00 | Introduction of Participants; Progress Report |
| 09:00-09:50 | A plan to test the impact of European colonial expansion on the transmission and diversity of <i>T. gondii</i> in wild and domesticated hosts (Su and Rosenthal) |
| 10:00-10:50 | Coupling of between- and within-host dynamics (Velasco-Hernandez) |
| 10:50-11:10 | Coffee break |
| 11:10-12:00 | Transcriptional and proteomic data (Halonen) |
| 12:00-13:00 | Lunch |
| 13:00-13:50 | A model of acute infection of <i>T. gondii</i> (Gilchrist) |
| 14:00-14:50 | A Model-Selection Approach Based on Experimental Data to Understand Cyst Growth and Removal Properties of <i>Toxoplasma</i> (Sullivan) |
| 15:00-15:15 | Coffee Break |
| 15:15-16:00 | <i>Toxoplasma gondii</i> dynamics from animals to human in the rural environment and Evolution of <i>T. gondii</i> transmission routes and virulence (Lelu) |
| 16:00-16:50 | TBD (Claudia) |
| 17:30-18:30 | NIMBioS reception |

Tuesday, December 18

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| 8:15-8:45 | Breakfast at NIMBioS |
| 8:45-10:30 | Breakout Group Meetings |
| 10:30-10:45 | Break |
| 10:45-12:00 | Breakout Group Meetings |
| 12:00-13:00 | Lunch |
| 13:00-14:30 | Breakout Group Meetings |
| 14:30-14:45 | Break |
| 14:45-17:00 | Report from Breakout Groups |

Wednesday, December 19

8:15-8:45	Breakfast at NIMBioS
8:45-10:30	Breakout Group Meetings
10:30-10:45	Break
10:45-12:00	Report from Breakout Groups, Summary, and Plan for Future Meetings
Lunch at NIMBioS	