

Mathematical modeling of *Toxoplasma gondii*.  
May 13-15, 2010: Meeting Schedule

Breakfast (bagels, pastries, fruit, yogurt, coffee, juice) will be available at NIMBioS from 8:15-8:45 each morning. Hot breakfast on Friday, May 14th.

**Thursday (5/13)**

- 8:15-8:45      **Breakfast at NIMBioS**
- 8:45-9:00      Introduction to NIMBioS by Lou Gross
- 9:00-9:40      Introduction of Participants
- 9:40-10:40     Talk: “**Biology and transmission of *Toxoplasma gondii*”** by *J. P. Dubey*.
- 10:40-11:00    **Coffee Break**
- 11:00-12:00    Talk: “**the National Wildlife Disease Program- Monitoring *T. gondii* in feral swine**” by *John Baroch*.
- 12:00-1:30     **Lunch at NIMBioS**
- 1:30-2:30      Talk: “**A generic model for the spread of *T. gondii* through a spatially distributed predator-prey network**” by *Michel Langlais*.
- 2:45-3:45      Talk: “**Transmission dynamics of *T. gondii* along the gradient of prey-to-predator ratio**” by *Emmanuelle Gilot-Fromont*.
- 3:45-4:00      **Coffee Break**
- 4:00-5:00      Talk: “**Epidemiology and Biodiversity of *T. gondii*.”** by *Isabelle Villena*.
- 5:00-6:30      **Reception at NIMBioS**

*Dinner on your own*

**Friday (5/14)**

- 8:15-8:45      **Breakfast at NIMBioS**
- 8:45-9:45      Talk: “**The ins and outs of *T. gondii* invasion and egress**” by *Gustavo Arrizabalaga*.
- 10:00-11:00    Talk: “**Assessment of the host environment and identification of parasite genome sequences that render *Toxoplasma* resistant to induced differentiation**” by *Jay Radke*.

- 11:00-11:30 Coffee Break
- 11:30-12:30 Discussion groups
- 12:30-2:00 Lunch at NIMBioS
- 2:00-3:00 Sharing results from groups
- 3:15-4:15 Talk: “**Playing chess: *T. gondii* and the host immune response**” by **Dana Mordue**.
- 4:15-4:40 Coffee Break
- 4:40-5:40 Talk: “**Interferon-gamma (IFN- $\gamma$ ) and perforin-mediated resistance in the brain against *T. gondii***” by **Yasuhiro Suzuki**.

*Dinner on your own*

#### **Saturday (4/29)**

- 8:15-8:45 Breakfast at NIMBioS
- 8:45-9:45 Talk: “**Genetic diversity of *T. gondii***” by **Chunlei Su**
- 10:00-11:00 Discussion Groups
- 11:00-11:15 Coffee Break
- 11:15-12:15 summarize and discuss future plans
- 12:15 Lunch at NIMBioS

*Depart for airport in UT van*