

Mathematical modeling of genetic and biochemical circuits

Evgeny Volkov and Didier Gonze

Tuesday June 17

- 16:00 - 16:25** **Ozgur E. Akman**
Digital clock modelling
- 16:25 - 16:50** **Jana Wolf**
Conditions for oscillations in the NF-kB pathway
- 16:50 - 17:15** **Peter Ruoff**
Robust concentration and frequency control in oscillatory homeostats
- 17:15 - 17:35** **Evgeny Volkov**
Role of noise in multistable dynamics of a non-adiabatic Repressilator
- 17:35 - 17:50** *Break*
- 17:50 - 18:15** **Mirela Domijan**
Mathematical modelling of the plant circadian clock
- 18:15 - 18:40** **Sophie De Buyl**
Modeling the cyanobacterial circadian clock
- 18:40 - 19:00** **Didier Gonze**
Are circadian clocks limit cycle oscillators?