

Topics on Modelling, Simulation, Control of Bio and Spin Systems

Groups

Group	Room	Moderator
1	TCPL201	Stephan Hoyer
2	TCPL202	Paul Rees
3	TCPL Foyer	Ilya Kuprov
4	TCPL107	Tomasso Calarco

Feedback session in 201 moderated by Martin Plenio

Questions

- Topics on Modelling, Simulation, Control of Bio and Spin Systems
 - Which solid state numerical simulation could be useful in quantum biology?
 - Bio-molecular systems as devices
 - How to optimally interrogate quantum bio systems?
 - Learning from biology for solid state
 - Structured and/or non-Markovian environment as a design tool & resource
 - Room temperature quantum systems
 - Role of coherence in bio-systems (small & large scale)
 - Relevant interactions in biology (excited state ET mechanisms, Förster, etc.)