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# Advanced School on Quantitative Principles in Microbial Physiology: from Single Cells to Cell Communities | (smr 3879)

## Thursday 05 October 2023

**- Budinich Lecture Hall (Leonardo Building) (09:30-17:00)**

time	title	presenter
09:30	Importance of environmental fluctuation and physiological adaptation for coexistence in microbial communities	TERENCE HWA
10:30	How total mRNA influences cell growth through free ribosome	LUDOVICO CALABRESE
11:00	Coffee Break	
11:30	From environmental responses at the organismal level to community properties - Part II	MARTINA DAL BELLO
12:30	Effective bet-hedging through growth rate dependent stability	HUGO DAAN DE GROOT
13:00	Lunch Break	
14:30	Homogeneous degree-one models of bacterial physiology: Understanding exponential trajectories, balanced growth and aspects of cell size.	SANJAY JAIN
15:20	How do bacteria adaptively control their growth rate in fluctuating environments?	ROBERT PLANQUE
15:50	PCI a community-organised review of preprints and a diamond open access journal	
16:05	Break	
16:15	Young Scholars Forum	