MBV 4130 – The Biology of Prokaryotes

Recommended main text:
Brock. Biology of Microorganisms (Madigan, M. ed.) 13th edition. 2012

Lecture overview:

Time 10:15-12, Seminar room 2203 (Kristine Bonnevies House)

Date	Lecturer	Subject
Oct. 11.	R. Sirevåg	The microbial world, some historical landmarks (chap. 1) The tree of life; microbial evolution , systematics (chap.16,17,18,19) Structure and macromolecules of bacterial cells (chap. 3)
Oct. 12.	R. Sirevåg	Growth and growth curves (chap.5) Metabolic diversity (chap. 13, 14)
Oct. 18.	G. Griffiths	Cell biology of bacteria using GFP, the bacterial cytoskeleton Interactions of bacteria with humans –commensals
Oct. 19.	G. Griffiths	Interactions of bacteria with humans - pathogens Selected examples; *Salmonella*, *Listeria, M. tuberculosis*
Oct. 25.	R. Rachel	Phylogeny and physiology of *Archaea* Structural aspects of *Archaea*
Oct. 26.	R. Rachel	Thermophilic bacteria
	M. Koomey	Multicellularity/social interactions (chap. 23)
Nov. 1.	M. Koomey	Biofilms Quorum sensing
Nov. 2.	M. Koomey	Post-genomics,RNA biology :technology/riboswitches. (chap. 8,12)
Nov. 8.	B. Lindqvist	From bacteriophages to nanoparticles (chap. 9)
Nov. 9.	R. Sirevåg	Microbial symbioses (chap. 25) Selected examples; The legume-root nodule symbiosis , *Agrobacterium tumefciens*, The Rumen, The human Microbiome