

## Microbial resource centers and preservation of microorganisms, University of Helsinki, May 2 - May 6, 2011

	Monday 2.5.	Tuesday 3.5.	Wednesday 4.5.	Thursday 5.5.	Friday 6.5.
8.30-10.30	Lecture 1: Culture collection, BRC, Biobank, historical perspectives, tasks of BRC's, OECD Best Practise : PO	Lecture 4: Preservation of Microorganisms: Theories behind methods, aims, OP, PO	DEMO: lyophilization, cryopreservation: groups 1-3: AP, UM, RS, PO	MICCO SYMPOSIUM  Everyone attending	9.00... Group works presentation PowerPoints and Posters BRC-works  DS, PO, KL, AP, UM, PY
10.30-12.30	Lecture 2: BRCs and collections in the world, organizations, networks, CBD and BRCs, quality management of a BRC: ES	Lecture 5: Preservation of Microorganisms: Different methods for different organisms: OP, PO	DEMO: lyophilization, cryopreservation: groups 4-6: AP, UM, RS, PO		
lunch	12.30	12.30	12.30	LUNCH	12.00
13.15-16.00	Group works: KL, PL, PO: Groups dig into morning's topics -CBD basics -general best practice guidelines -biosecurity of BRC's - best practice guidelines for microorganisms -hierarchy of BRC world	Group works: PL, PO: Groups dig into morning's topics -cryopreservation -lyophilization -freezing -drying -vitrification	Lecture 7: Implementing best practice in the operation of a BRC: DS Group works:	MICCO SYMPOSIUM  Everyone attending	Group works presentation PowerPoints and Posters Preservation-works  DS, PO, KL, AP, UM, PY  15.00 End of the course Certificates
16.15-	Lecture 3: Microbial species, structure of genome: PY, KL	Lecture 6: Up to date methods of sequencing and identification: LP, PY	18.00: Social Mix  Everyone!	MICCO Dinner 18.30	Best poster award Instant feedback and panel discussion: Yeonhee Lee, Stina, Erna, Pekka

**Teachers:** Dr. David Smith (DS), Dr. Peter Young (PY), Lic. Lars Paulin (LP), Dos. Kristina Lindström (KL), Dr. Pauliina Lankinen (PL), Dr. Outi Priha (OP), Dr. Erna Storgårds (ES), Dr. Yeonhee Lee (YL), MSc Pekka Oivanen (PO), BSc Ulla Mikkola (UM), MSc Anna Pekkala (AP), Biomedical Laboratory Scientist Riitta Saastamoinen (RS)