

WEEK 1: Background: Material and Methods

Date			Programme	Speaker	Venue
Sun	16-août	14:00 –	Check in Hotel		RBC
		16:15 –	Welcome Course Introduction Students self-introduction	Roberto Bruzzone, Si Lok Fredj Tekaia (IPP, France)	KSLL KSLL KSLL
Mon	17-août	8:00 –	9:45 UNIX	Quang tru Huynh	SR7
			<i>Break</i>		
		10:15 –	12:00 UNIX	Quang tru Huynh	CAL
			<i>Lunch</i>		
		14:00 –	15:45 UNIX	Quang tru Huynh	CAL
			<i>Break</i>		
		16:15 –	18:30 UNIX / perl	Fredj Tekaia	SR7
Tue	18-août	8:00 –	9:45 UNIX / perl	Fredj Tekaia	CAL
			<i>Break</i>		
		10:15 –	12:00 UNIX / perl	Fredj Tekaia	CAL
			<i>Lunch</i>		
		14:00 –	15:45 Genome, protein and model organisms databases	Anne Estreicher	SR7
			<i>Break</i>		
		16:15 –	18:30 Open Access Bibliographic Resources	Anne Estreicher	CAL
Wed	19-août	8:00 –	9:45 Main algorithms with applications in Bioinformatics	Gregory Nuel	SR7
			<i>Break</i>		
		10:15 –	12:00 Main algorithms with applications in Bioinformatics (Practical)	Gregory Nuel	CAL
			<i>Lunch</i>		
		14:00 –	15:45 Search for Motifs	Gregory Nuel	SR7
			<i>Break</i>		
		16:15 –	18:30 Search for Motifs (Practical)	Gregory Nuel	CAL
Thur	20-août	8:00 –	9:45 Multiple Sequence Alignment	Anne Friedrich	SR7
			<i>Break</i>		
		10:15 –	12:00 Multiple Sequence Alignment (Practical)	Anne Friedrich	CAL
			<i>Lunch</i>		
		14:00 –	15:45 Molecular Evolution	Gavin Smith	SR7
			<i>Break</i>		
		16:15 –	18:30 Molecular Evolution (Practical)	Gavin Smith	CAL
Fri	21-août	8:00 –	9:45 Phylogenetic Reconstruction	Anne Friedrich	SR7
			<i>Break</i>		
		10:15 –	12:00 Phylogenetic Reconstruction (Practical)	Anne Friedrich	CAL
			<i>Lunch</i>		
		14:00 –	15:45 Introduction to Phylogenomics	Simonetta Gribaldo	SR7
			<i>Break</i>		
		16:15 –	18:30 Phylogenomics (Practical)	Simonetta Gribaldo	CAL
Sat	22-août	8:00 –	9:45 Large scale genome comparisons	Fredj Tekaia	SR7
			<i>Break</i>		

10:15	-	12:00 Large scale genome comparisons (Practical)	Fredj Tekaia	CAL
		<i>Lunch</i>		
14:00	-	15:45 Workshop: BioSlax: a comprehensive system for Bioinformatics workstation client, server resource or teaching platform	Tin Wee Tan	SR7
				CAL

Sun 23-aou Social and cultural activities

WEEK 2: Comparative Genomics (Methods - Applications) - What did we learn from genomes studies and perspectives

Date			Programme	Speaker	
Mon	24-aou	8:00 –	9:45 Large scale genomes comparisons	Fredj Tekaia	CAL
			<i>Break</i>		
		10:15 –	12:00 Genomes comparisons (Practical)	Fredj Tekaia	CAL
			<i>Lunch</i>		
		14:00 –	15:45 Genomes comparisons (Practical)	Fredj Tekaia	CAL
			<i>Break</i>		
		16:15 –	18:30 Genomes comparisons (Practical)	Fredj Tekaia	CAL
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Tue	25-aou	8:00 –	9:45 Orthologs - Paralogs Prediction and Classification	Toni Gabaldon	SR7
			<i>Break</i>		
		10:15 –	12:00 Orthologs - Paralogs Prediction and Classification (Practical)	Toni Gabaldon	CAL
			<i>Lunch</i>		
		14:00 –	15:45 Orthology Prediction for whole mammalian genomes	Leo Goodstadt	SR7
			<i>Break</i>		
		16:15 –	18:30 Orthology Prediction for whole mammalian genomes (Practical)	Leo Goodstadt	CAL
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Wed	26-aou	8:00 –	9:45 Whole Genomes alignment - Synteny maps	Inna Dubchak	SR7
			<i>Break</i>		
		10:15 –	12:00 Whole Genomes alignment - Synteny maps at VISTA (Practical)	Inna Dubchak	CAL
			<i>Lunch</i>		
		14:00 –	15:45 Bioinformatics and Systems Biology approaches for disease study	Ueng-Cheng Yang	SR7
			<i>Break</i>		
		16:15 –	18:30 Bioinformatics and Systems Biology approaches for disease study (Practical)	Ueng-Cheng Yang	CAL
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Thur	27-aou	8:00 –	9:45 From Fungal to human membrane transportosome	Andre Goffeau	MTC
			<i>Break</i>		
		10:15 –	12:00 The future of Bioinformatics and Genomics	John Quackenbush	MTC
			<i>Lunch</i>		
		14:00 –	15:45 Yeast Evolution and Comparative Genomics	Bernard Dujon	MTC
			<i>Break</i>		
		16:15 –	18:30 Reconstructing Ancestral Vertebrate Genomes by in silico Paleogenomics	Hugues Roest Crollius	MTC
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Fri	28-aou	8:00 –	9:45 Ongoing DNA transfer from the mitochondrial to the nuclear genome	Miria Ricchetti	MTC
			<i>Break</i>		
		10:15 –	12:00 Genome Rearrangement - Cancer Genomics	Guillaume Bourque	MTC
			<i>Lunch</i>		
		14:00 –	15:45 Genes, Polymorphisms and Human Genetics Diseases	Sonia Abdelhak	MTC
			<i>Break</i>		
		16:15 –	18:30 Human disease gene identification in post genomics	Pak Sham	MTC
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Sat	29-aou	8:00 –	9:45 Bioinformatics Growth in the Region: 20 years of development	Tin Wee Tan	MTC
			<i>Break</i>		
		10:15 –	12:00 Course evaluation (EMBO Questionnaire)		MTC

Course End

Remarks

- "KSSL" - **Kong Siu Luey Lounge, Robert Black College**
- "MTC" - **William MW Mong Block, Faculty of Medicine Building, 2nd Floor, Ms Chen Yang Foo Oi Telemedicine Centre**
- "CAL" - **CAL LAB, Yu Chun Keung Medical Library, Faculty of Medicine**
- "SR7" - **Laboratory Block, Faculty of Medicine Building, Seminar Room 7, LG1/F**