

PRELIMINARY SCHEDULE FOR BIOINFORMATICS 2021

Course time 1/3 - 23/3, 5,5 hp, 4BI084

Scheelesalen, Scheele lab, floor 3, Tomtebodavagen 6
 Enter, Space, Bz-lab, floor 5

Computer exercise teachers:

- IHo, Ian Hoffecker
- BLo, Bernhard Lohkamp
- JCP, Jordi Carreras Puigvert
- CMA, Camiel Mannens
- YYa, Yunshi Yang
- AMA, Alejandro Mossi Albiach
- FBP, Fabio Baldivia Pohl
- MRI, Magdalena Riad
- AFe, Federico Agostini
- FFo, Ferenc Fördös

Week 10	8	9	10	11	12	13	14	15	16	17
Monday March 1			Course start and information Bioinformatics - introduction							
			Jan-Olov Höög (JOH)	Scheelesalen						
Tuesday March 2			Lecture Basic Python programming			Computer exercise 0.1 Python programming				
			Ian Hoffecker (IHo)	Scheelesalen		IHo, YYa, AMA, CMA Enter, Space				
Wednesday March 3			Lecture Intermediate Python Functions and arrays			Follow-up Computer exercise 0.2 Python programming				
			IHo	Scheelesalen		IHo, FFo, AMA, CMA Enter, Space				
Thursday March 4			Lecture Pairwise comparisons Seq 1			Follow-up Computer exercise 0.3 Python programming				
			IHo	Scheelesalen		IHo, FFo, YYa, CMA Enter, Space				
Friday March 5			Lecture BLAST and Multiple Seq Analysis Seq 2			Computer exercise 1 Pairwise, DB				
			IHo	Scheelesalen		IHo, FFo, YYa, AMA Enter, Space				

Week 11		8	9	10	11	12	13	14	15	16	17
Monday March 8		Lecture Probes for DNA/RNA FISH					Computer exercise 2 Blast and MSA IHo, YYa, AMA, CMa Enter, Space				
		Ana Mota	Scheelesalen								
Tuesday March 9		Lecture Phylogeny					Computer exercise 2 Phylogeny IHo, FFo, AMA, CMa Enter, Space				
		JOH/IHo	Scheelesalen								
Wednesday March 10		Lecture Protein Structure, PDB					Demonstration Computer exercise 3 Protein structure visualization BLo, MRi Enter, Space				
		Bernhard Lohkamp (BLo)	Scheelesalen								
Thursday March 11		Lecture Structure prediction					Computer exercise 4 PDB and modelling BLo, MRi Enter, Space				
		BLo	Scheelesalen								
Friday March 12		Lecture Front lines in DNA/ RNA Sequencing					Computer exercise 5 scRNA Seq IHo, FFo, YYa, CMa Enter, Space				
		Kimberly Siletti	Scheelesalen								

Week 12		8	9	10	11	12	13	14	15	16	17
Monday March 15		Lecture Systems Biology					Computer exercise 6 Systems Biology JCP, AFe Enter, Space				
		Jordi Carreras Puigvert JCP	Scheelesalen								
Tuesday March 16		Lecture Proteomics					Follow-up Computer exercises IHo, FFo, AMA Enter				
		Akos Vegvari	Scheelesalen								
Wednesday March 17		Lecture Proteomics in Medicine					Follow-up Computer exercises IHo, YYa, CMa Enter				
		JOH	Scheelesalen								
Thursday March 18		Lecture Course summary incl Examination info incl questions									
		JOH, IHo	Scheelesalen								
Friday March 19		Preparation for examination									

Week 13		8	9	10	11	12	13	14	15	16	17
Monday March 22	Preparation for examination										
Tuesday March 23		EXAMINATION									
		Enter, Space									