

SCHEDULE FOR BIOCHEMISTRY 2021

15 Oct 2020 3:5 PM

* = attendance compulsory

Week 3	8	9	10	11	12	13	14	15	16	17
Mon 18/Jan			Welcome, Course overview, and Roll call *			Lecture: Introduction to Biochemistry Components of intermediary metabolism				
			BLo	K		BLo		K		
Tue 19/Jan			Lecture: Biochemical pathways Intermediary metabolism				Lecture: Organic chemistry and enzyme function			
			RSc		K		BLo	K		
Wed 20/Jan			Lecture: Signal transduction in metabolic regulation				Seminar 1: Introduction to Biochemistry			
			Åke Rökaeus (ÅRö)		K		Gr 17-24, BZ605; Gr 25-32, BZ606			
Thu 21/Jan			Lecture: Digestion and absorption				Lecture: Glycolysis and gluconeogenesis			
			ÅRö		K		Robert Schnell (RSc)		K	
Fri 22/Jan			Seminar 2: Glycolysis and gluconeogenesis				Lecture: Citric acid cycle and oxidative phosphorylation			
			MBi Gr 17-24, BZ601 DAI2 Gr 1-8, G201 (LiF,DNy)				Simon Elsässer (SEI)		Sch	

Week 4	8	9	10	11	12	13	14	15	16	17
Mon 25/Jan			Seminar 3: Citric acid cycle and ox. phosphorylation				Lecture: Glycogen metabolism and the HMP shunt			
			DMo Gr 17-24, BZ601 RoF Gr25-32,BZ602 (CFr, FSc)				RSc		Sch	
Tue 26/Jan			Seminar 4: Glycogen metabolism				Lecture: Summary of carbohydrate and lipid metabolism			
			MLi+MBi Gr 17-24, BZ601 TNy+OLy Gr 25-32, BZ602				Carbohydrate: RSc			
Wed 27/Jan							Test *			
							RSc, SEI, DNy (MZe) See BZ 601 group BZ 602 list BZ 603			
Thu 28/Jan			Lecture: Biosynthesis of lipids and cholesterol				Lecture: Lipolysis, beta- oxidation and ketone body synthesis			
			Manuel Zeitelhofer (MZe)		Sch		MZe		K	
Fri 29/Jan			Seminar 5: Biosynthesis of lipids				Lecture: Cholesterol Lipoproteins			
			AFa+HBa Gr 17-24, G211 MZe Gr 25-32, G215				MZe		K	

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Week 5											
Mon 1/Feb				Lecture: Oxidative stress Elias Arnér (EIA) R				Lab lecture: * Lipids Lars Jakobsson (LJa) R			
Tue 2/Feb		Lipid lab * (Blood sampling 8.30, Lab starts 9.00) Gr 1-32 MOt+AnC, DSc, CGe, LJa (ErL) Course lab									
Wed 3/Feb		Lipid lab/groupwise GC* See separate schedule for groups! LJa, MOt, DSc, AnC (CGe) Course lab									
Thu 4/Feb		Lipid lab/groupwise GC* See separate schedule for groups! Assembly of results MOt, CGe, AnC, DSc (LJa) Course lab									
Fri 5/Feb				Seminar 6: Lipolysis, ketone bodies HBa Gr 17-32, G218 PCI Gr 25-32, G224				Lecture: Prostaglandins/ Leukotrienes Olof Rådmark (ORå) A			

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Week 6											
Mon 8/Feb				Lecture: Steroid hormones Inderpreet Sur (ISu) K				Lecture: Summary of lipid metabolism MZe K			
Tue 9/Feb								Test * online MZe, SEI, DNY (RSc) See group list BZ 601 BZ 602 BZ 603			
Wed 10/Feb		Lecture: * Intro proj work Lipids Christina Stefanitsch (CSt) K		Project work Lipids Teachers LiF (CSt)				Project work			
Thu 11/Feb		Project work Lipids Teachers CSt (LiF) Project work Lipids Teachers GSh (CSt)						Project work			
Fri 12/Feb		Project work Lipids Teachers INi (LiF)									

Week 7 8 9 10 11 12 13 14 15 16 17

Mon 15/Feb	Presentation project work * Lipids G 200 Gr 1 G 201 Gr 2 G 218 Gr 3 G 224 Gr 4	Presentation project work * Lipids G 200 Gr 5 G 201 Gr 6 G 218 Gr 7 G 224 Gr 8	Teachers: CSt LiF+GSh MZe INi (AFa, EFo)	Lecture: Amino acid metabolism, urea SEI	K
Tue 16/Feb		Lecture: Alcohol and liver JOH		Lecture: Chromatography etc. TNy	Course committee BLo B0313
Wed 17/Feb	SPORTS DAY				
Thu 18/Feb		Lecture: Nucleotide metabolism, one carbon pool EIA		Seminar 7: (HAu) Amino acid metabolism HAu Gr 17-24, G218 CGr Gr 17-32, G224	K
Fri 19/Feb		Seminar 8: (UGo, PMo) Nucleotide metabolism EBe Gr 17-24, G218 BRe Gr 17-32, G224		Lab lecture: * Protein purification TNy Sch	

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Week 8 8 9 10 11 12 13 14 15 16 17

Mon 22/Feb	Lab: Protein purification * Tyrosine phosphatase HeB, GFL, AMM, MCi (MMi) Course lab				
Tue 23/Feb	Lab: Protein purification * HeB, GFL, AMM, MMi (MCi) Course lab				
Wed 24/Feb		Lecture: Integration of intermediary metabolism SEI		Lecture: Metabolism studies UGo	READ ARTICLES K
Thu 25/Feb		Lab and seminar: Protein purification * Assembly and interpretation of results HeB, GFL, MCi, MMi (AMM) Course lab		Seminar 9: (MZe) Reading scientific articles MZe Gr 17-24, G200 RSc Gr 17-32, G201	
Fri 26/Feb		Lecture: Proteomics Akos Vegvar		Seminar 10: (DNy, JHm) Integr. of intermediary met. DNy Gr 17-24, G200 NCr Gr 17-32, G201	K

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Week 9											
Mon 1/Mar		Re-test MZe RSc B0313, B0317			Lecture: About the exam SEI (BLo)	Lecture: Course summary and Question time SEI (BLo) K					
Tue 2/Mar	PREPARATION FOR EXAMINATION										
Wed 3/Mar	EXAMINATION Resp: BLo Correction: BLo, SEI, MZe, EIA, UGo, RSc, GCB, JOH, MBi, LJa Guards: see exam guard schedule Franklin										
Thu 4/Mar		Lecture: * Intro Proj work Insulin JOH K	Project work Insulin Teachers OLy (MZe)		Project work						
Fri 5/Mar		Project work Insulin Teachers MBi (GCB)	Project work								

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Week 10											
Mon 8/Mar		Project work Insulin Teachers MBi (GCB)	Project work								
Tue 9/Mar		Project work Insulin	Presentation project work * Insulin G 213 Gr 15 G 220 Gr 14 G 222 Gr 13 G 303 Gr 12 G 307 Gr 11	Presentation project work * Insulin G 213 Gr 10 G 220 Gr 9 G 222 Gr 8 G 303 Gr 7 G 307 Gr 6	Presentation project work * Insulin G 213 Gr 5 G 220 Gr 4 G 222 Gr 3 G 303 Gr 2 G 307 Gr 1	Teachers GCB MBi KBa MZe NCr (SEI)					

Re-examination 17 april 2019, 9.00-15.00 **TBC**
 Re-re-examination 22 august 2019, 8.30-14.30 **TBC**
 Re-test 15 april 2019, 14.30-15.45 **TBC**

K = Karolina
 Sch=Scheelesalen
 A= Atrium
 R=Rockefeller

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Week 3											
Wed 16/Jan											Teacher meeting A0812 New only All BLo

