



**Program BIO 228 Evolutionary Medicine, HS 2022** (21.9.2022, SR)

**Lecturers:**

Prof. Adrian Jäggi (AJ, [adrian.jaeggi@iem.uzh.ch](mailto:adrian.jaeggi@iem.uzh.ch)) → email for content questions  
 PD Nicole Bender MD (NB)  
 Dr. med. Patrick Eppenberger (PE)  
 PD Dr. Kaspar Staub (KS)  
 PD Dr. sc. nat., Dr. med. Martin Häusler (MHae)  
 Prof. Dr. Dr. Verena Schünemann (VS)  
 Adam Hunt, PhD student (AH)

**Teaching assistants (TAs):**

Megan Malherbe  
 Abigail Colby  
 Charlotte Debras

**Course administration:**

Susanne Ruckstuhl ([susanne.ruckstuhl@iem.uzh.ch](mailto:susanne.ruckstuhl@iem.uzh.ch)) → email for administrative questions

**Room:** [Y24-G-55](#)

**Language/slides:** English

**Day:** Thursday

**Time:** 10:15 – 12:00 AM

**Participants:** ca. 150

**Exams:** written, online (BYOD)

Date	Topic	Lecturer(s)
	<b>Part 1: Evolution and medicine</b>	
22.9.2022	Introduction to the course, what is evolutionary medicine	AJ
29.9.2022	Evolutionary theory, Adaptation and selection, micro- and macroevolution	NB
6.10.2022	Development, life history, adaptive plasticity	NB
13.10.2022	Human evolution and human variation	AJ
	<b>Part 2: Topics in evolutionary medicine</b>	
20.10.2022	Mid-term-exam on part 1 / (BYOD, MC-questions and open questions, 45 minutes)	AJ and TAs



	Cancer in evolutionary perspective	
27.10.2022	Stature, nutrition and metabolism: the human diet, obesity, and metabolic diseases	NB & KS
3.11.2022	Immune system, host-pathogen co-evolution	VS (online)
10.11.2022	Ancient pathogens, historical epidemics	VS (online)
17.11.2022	Paleopathology I: Introduction to the field, soft tissue pathologies	PE
24.11.2022	Paleopathology II: Musculoskeletal disorders	MHae
1.12.2022	Reproduction	MHae
8.12.2022	Evolutionary psychiatry, mental health	AH
15.12.2022	TBD; exam review	AJ and TAs
22.12.2022	EXAM on part 2 (BYOD, 90 minutes)	AJ et al.