

**Biostatistics**  
**Molecular Biology**  
**Academic year 2023/2024 spring semester**

<b>Week</b>	<b>Date</b>	<b>Title</b>	<b>Lecturer</b>
4	7 of March (Thursday) 10:00-12:00 LC1.05	Set theory. Random events. Conditional probability, marginalization. Independent events. Descriptive statistics.	dr. Fazekas Zsolt/dr.Fehér Ádám
5	14 of March (Thursday) 10:00-12:00 LC1.05	Random variable. Cumulative distribution function, distribution function of random variable. Discrete probability distributions: binomial and Poisson-distribution.	dr. Fazekas Zsolt/dr.Fehér Ádám
6	21 of March (Thursday) 10:00-12:00 LC1.05	Continuous probability distribution. Normal distribution. Standard normal distribution. Sampling.	dr. Fazekas Zsolt/dr.Fehér Ádám
7	26 of March (Tuesday) 12:00-14:00 TBuilding SR#3.	Hypothesis testing. Null hypothesis. Statistical significance. One- and two tailed tests. The z-test. One sample t-test.	dr. Fazekas Zsolt/dr.Fehér Ádám
8	2 of Apr (Tuesday) 12:00-14:00 TBuilding SR#3.	Paired t-test. F-test. Unpaired t-test.	dr. Fazekas Zsolt/dr.Fehér Ádám
9	9 of Apr (Tuesday) 12:00-14:00 TBuilding SR#3.	Screening tests. Epidemiologic investigations: odds ratio and relative risk. The Kaplan-Meier curve.	dr. Fazekas Zsolt/dr.Fehér Ádám
10	16 of Apr (Tuesday) 12:00-14:00 TBuilding SR#3.	Consultation.	dr. Fazekas Zsolt/dr.Fehér Ádám
12		<b>Biostatistics final test</b>	