

SEJTBIOLOGIAI SZINTEN ÉRTELMEZHETŐ PATOLÓGIÁS FOLYAMATOK

MOLECULAR_BIOLOGY_IMMUNOLOGY

Sejtbiológiai Tanszék

Tantárgy: SEJTBIOLOGIAI SZINTEN ÉRTELMEZHETŐ PATOLÓGIÁS FOLYAMATOK

Év, szemeszter: 2. évfolyam - 2. félév

Óraszám:

Előadás: 15

Kód: AOMBSBP3

ECTS Kredit: 1

A tárgyat oktató intézet: Biofizikai és Sejtbiológiai Intézet

A tárgy felvételére ajánlott félév: 2.

Melyik félévben vehető fel a tárgy: 2.

A tárgyfelvétel előfeltétele(i): Párhuzamosan: Sejtbiológia

Kurzus koordinátor: Prof. Dr. Vereb György, egyetemi tanár

Tanulmányi felelős: Dr. Fazekas Zsolt

e-mail: biophysedu@med.unideb.hu

2. hét:

Előadás:

1-4 Receptor tyrosine kinases: regulation by interactions and compartmentation of signaling components (2 lectures)

3. hét:

Előadás:

5-8 From cell biology to preclinical models: CDKs as drug targets GFP and friends - the molecule that drew the Nobel Prize in Chemistry (2 lectures)

4. hét:

Előadás: 9-10 Cancer immunotherapy

5. hét:

Előadás: 11-12 Molecular targets for cancer therapy in the signal transduction pathway of receptor tyrosine kinases

6. hét:

Előadás: 13-14 Ion channels: cellular physiology and disease

null:

Szabó Gábor: Sejtbiológia.

7. hét:

Előadás: 15-16 Something only your mother can give you: the mitochondrium

8. hét:

Előadás: 17-18 A strict rule in multicellular development: cells must behave, otherwise their fate is apoptosis or ...

9. hét:

Előadás: 19-20 Newly discovered mechanisms in the regulation of cell division

10. hét:

Előadás: 21-22 What goes up, must come down: Degrading proteins and lipids - and the consequences of aberrant pathways

11. hét:

Előadás: 23-24 Written test exam

2. Medicina Kiadó, 2008.

Követelmények

PLEASE SIGN UP FOR THE COURSE IN NEPTUN !!! Most classes are 100 min, but there will be lectures with two topics, consequently longer, so that the course could finish in time. Do check on the website of the Dept. of Biophysics and Cell Biology (www.biophys.med.unideb.hu) regularly to see if there are any changes, news, etc. !

DETAILS UNDER THE MENU ITEM: „Timetables, locations” Compulsory reading: Lecture material posted on the website

Requirement for signature: - maximum 3 recorded absences total (no make-up possible) - signing up for the electronic course by the end of week 5

Exam dates: week 11 written exam for receiving the practical grade. The exam can also be taken during the exam period, but this counts as a first exam after a practical grade of "fail". Check NEPTUN for dates. **Exam type:** Electronic test (see below) **Grading:** 50%< pass 60%< satisfactory 70%< good 80%< excellent

In order to take an exam of the course "Selected Topics in Cell Biology" you need to be registered for the electronic version of the course. Here is the procedure to follow: Start your internet browser and type this address: <https://exam.unideb.hu> **NOTE:** It only works from IP addresses of the university, so you need to be logged on to EDUROAM, use a PC from the library, or use a VPN connection from outside. Select the English (en) language (top left) At the Login, type your Username, which is: your network-id (the same as in the Neptun) Type your Password: (the same as in the Neptun) Click on the [Login] button You cannot continue to the course until you have complemented your data in Neptun. You will be asked to verify your personality by logging into your email account and clicking on a link sent to you by the system. Even if you are not forced by the system to complement your data, you can edit your user profile by clicking the "You are logged in as [name] (Logout)" link. There you should fill in the required fields: give the country, city name and e-mail address. Once finished, you can continue in the e-learning system: Find your course category: Biofizika/Biophysics Pick your course: Elective Courses - Selected topics in cell biology (Click on the course name) Type the Enrolment key that will be provided in the first lecture Click on the [Enrol me] button

Oktatási honlap címe: <http://biophys.med.unideb.hu> A kurzus nyelve angol!