



The Hebrew University of Jerusalem

Syllabus

Personalized Medicine in Cancer and Neurodegenerative Diseases - 98824

Last update 16-04-2020

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Bio-Medical Sciences

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Ein Karem

Course/Module Coordinator: Dr Iris Lavon and Dr Adi vaknin

Coordinator Email: Irisl@hadassah.org.il

Coordinator Office Hours: Mon 10-12

Teaching Staff:

Dr. Iris Lavon
Dr. Shai Rosenberg
Dr.
Dr. David Arkadir
Prof Adi Vaknin

Course/Module description:

To understand the importance of personalized medicine. As a proof of concept will focus primarily on the diagnosis and treatment of cancer and neurodegenerative diseases

Course/Module aims:

To understand the importance of personalized medicine. As a proof of concept will focus primarily on the diagnosis and treatment of cancer and neurodegenerative diseases

Learning outcomes - On successful completion of this module, students should be able to:

To understand what personalized medicine is
To understand the various aspects of this approach and its complexity
To understand the chances and risks of this approach
to learn about the methods used today with a look to the future to implement the method

Attendance requirements(%):

100

Teaching arrangement and method of instruction:

Course/Module Content:

1. Plenary introduction-personalized medicine Dr. Iris lavon and Dr. Adi vaknin
2. methods to identify SNPs and Omics – Dr. Iris lavon (2 hours)
- 3-4. Dr Shi Rozenberg Bioinformatics (4 hours)
- 5-6. Prof Sara Eyal. Pharmacogenetics (4 hours).
- 7-8. Dr Shiri Shkedi, Oncogenetics(4 hours).
- 9-10. Dr Aviad Zick, Precision medicine in oncology.
11. Dr Adi Vaknin - Neurology.
12. Summary

Required Reading:

will be advice during the lectures

Additional Reading Material:

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 80 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 20 %

final assignment

Additional information: