

WS 2010/11 Principles of Molecular Virology

The course is designed to give you an insight into how viruses work by establishing principles which can be applied to several viruses. The characteristics and properties of the viruses and the reasons for the diseases they cause will be explained in molecular terms. Several important viruses will be used as examples. Viruses causing epidemics or current outbreaks of disease will be an essential part of the course. It will **not** list the viruses and their diseases!

The course has the number 300 347 from the University of Vienna.

You do not need to register for this course. The notes for this course will be **available** on the internet (www.univie.ac.at/medbch) a few days before each lecture. You will need a separate userid & password to access the files. You can obtain the password by sending me an email (timothy.skern@meduniwien.ac.at).

1st Lesson: Wed, 27th October, further dates, see below. Exam: Thurs, 27th January, 2011

Time: 18.00 – 19.30

Place: Lecture room A of the Inst. f. Biomol. Structural. Chemistry, Campus Vienna Biocenter 6, 1030 Vienna

Date	Topic
Wed, 27 th October	What are the basics of virology?
Thurs, 28th October	How are viruses classified?
Wed, 3 rd November	How is a virus built up?
Thurs, 4th November	How does a virus enter a cell?
Wed, 10 th November	What are RNA viruses?
Thurs, 11 th November	What, is there more to RNA viruses?
Wed, 17 th November	What are retroviruses?
Thurs, 18th November	What do I need to know about HIV?
Wed, 24th November	What are DNA viruses?
Thurs, 25th November	What, is there more to DNA viruses?
Wed, 1st December	Star wars: host and virus fight!
Thurs, 2nd December	How can viral disease be combated?
Wed, 12th January	What do viruses have to do with cancer?
Thurs, 13 th January	How do viruses evolve and emerge?

Tim Skern Oct 2010