MASARYK UNIVERSITY

CEITEC

BISON

PRACTICAL COURSE ON PC TUBULIN PREPARATION

17/05/2016-20/05/2016

CEITEC MU

Kamenice 5, Brno
Entrance from Studentská street

Laboratory N0.27, building A4

„How to prepare PC tubulin“

COURSE INSTRUCTOR: Irmgard Fischer (UNIVIE, MFPL-Vienna)

START: 09.00

Microtubules are part of the cytoskeleton that forms a structural network in the cell. They serve as tracks for active intracellular transport and also play a crucial role in cell division. Many proteins like **MAP2c, tau protein,** plectin or katenin regulate **growth** and shrinking by **increasing** or decreasing the polymerization rates. This is why the microtubules are highly dynamic filaments, which switch constantly between growing and shrinking phases (called 'dynamic instability'). PC tubulin, which is available on the market is expensive and often does not reach the quality required for measuring the dynamics of microtubules filament in vitro.

This practical course will bring you an overview on how to prepare quality PC tubulin for dynamic measurement and how to check it by cosedimentation assay or by electron microscopy.

Course schedule:
Tue 17.5 – Thu 19.5 9.00-17.00
Fri 20.5 9.00-12.00

Register HERE until 8th May. Places in this course are limited to 7 people.

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