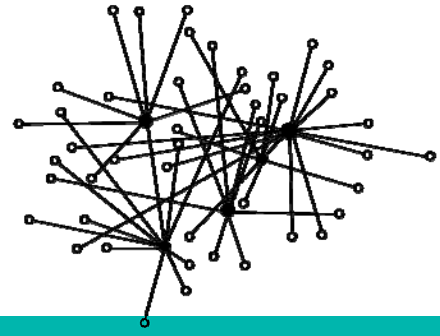




FRIAS

FREIBURG INSTITUTE FOR ADVANCED STUDIES
ALBERT -LUDWIGS -UNIVERSITÄT FREIBURG
SCHOOL OF LIFE SCIENCES – LIFE NET



Ralf Reski

FRIAS School of Life Sciences - LifeNet

Shedding light on 500 million years of plant evolution: a tribute to Dobzhansky

The moss *Physcomitrella patens* was developed as a model system for basic biology and for biotechnology. In contrast to the widely used seed plants, moss plants are predominantly haploid and harbour a yeast-like efficient machinery for gene targeting. These features allow precise manipulation of the genome to identify gene functions in a reverse genetics approach. Some recent results will be presented that illustrate the value of an evolutionary view on biology. Ongoing work on integrating different levels of -omics data in a systems biology approach will be presented as well.

Date: Thursday, November 3rd, 2011 13:15 pm

Location: FRIAS Lecture Hall, Albertstr. 19, Freiburg

Contact: Dr. Britta Küst, Scientific Coordinator, FRIAS School of Life Sciences - LifeNet
T +49 761 203 97418 F +49 761 203 97451 E britta.kust@frias.uni-freiburg.de