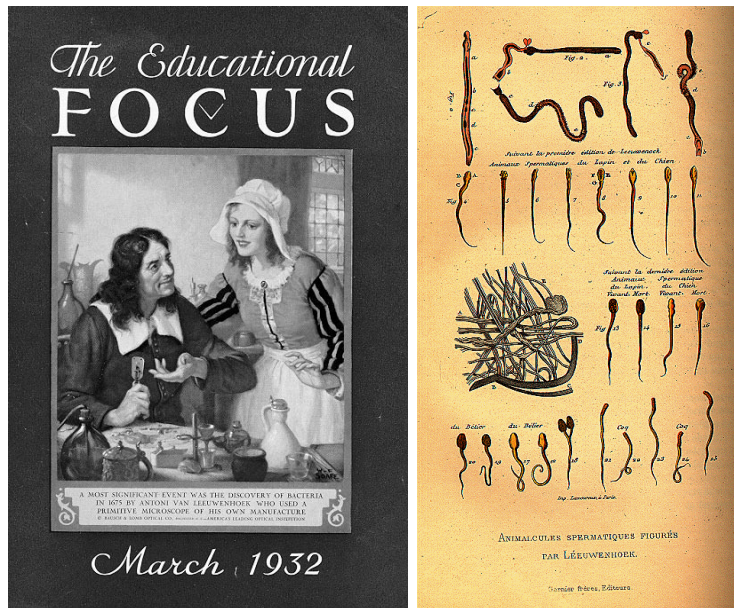


Biophysics and Quantitative Biology

STUDENT SEMINAR WITH TALKS IN GERMAN OR ENGLISH



TOPICS:

SCALING IN BIOLOGY; SMALL-WORLD AND SCALE-FREE NETWORKS; POPULATION DYNAMICS; POPULATION GENETICS; GAME THEORY (THE MINORITY GAME); SELF-PROPELLED PARTICLES; SWIMMING AT LOW REYNOLDS NUMBERS; SYSTEMS BIOLOGY; PHYSICS OF DNA; PROTEOMICS (SECONDARY STRUCTURE); EXPERIMENTAL CELL BIOPHYSICS; PERCOLATION IN BIOLOGY; TASEP;

AIM:

The aim of this seminar is twofold. First, to learn some essential background for entering the current debates on hot topics in theoretical biology and biophysics. Second, to give participants a chance to improve urgently needed but rarely taught soft skills.

COORDINATES: Wed 15:00-16:30h (starting 04.04.07), Raum SR 229 (Linnéstrasse)

USEFUL BACKGROUND: Theoretical Mechanics, Statistical Mechanics, Biophysics

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