



esf european
social fund in the
czech republic



EUROPEAN UNION



MINISTRY OF EDUCATION,
YOUTH AND SPORTS



OP Education
for Competitiveness

INVESTMENTS IN EDUCATION DEVELOPMENT

Interconnection of education between Molecular and Cell Biology
and Ecology and Environmental Protection study programmes.

CZ.1.07/2.2.00/28.0032

Lecturer: **Dr. Martin BLASER**

Affiliation: Max Planck Institute for Terrestrial Microbiology, Marburg,
Germany

Theme: **Seeing the unseen - using the natural distribution of stable
carbon isotopes to map microbial processes in the
environment**

Outline:

Using of molecular tools (TRFLP, pyrosequencing)

Carbon isotopes

Carbon isotope fractionation

Carbon isotopes in environment

Isotopes of methane, acetate, carbon dioxide