


Activities of the GBM working group on  
Study Course in Molecular Life Science.  
Chair: Rolf Heumann (Bochum)

## Gesellschaft für Biochemie und Molekularbiologie e.V. (GBM)

- founded in 1947
  - 5300 members
- Leading Life Science Society in Germany




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Aims: Platform to discuss and harmonize life science study  
courses in Germany

- Their organization
- The teaching topics (curriculum)
- The examination procedures (harmonization)
- Overview of the available study courses offered in Germany






## Activities of the GBM working group on Study Course in Molecular Life Science

Design of a framework for bioscientific Bachelor and Master's programs:

- Basic education in General Science Subjects: Mathematics, Physics, Biology
- Focus on Chemistry : Especially Organic Chemistry, Physical Chemistry
- Comprehensive Education in Biochemistry:  
Metabolism, Methods, Biological Macromolecules, Molecular Biology, Cell Biology including signal transduction, Immunology, Bioinformatics
- Achieve key competence in cross disciplinary aspects




## Activities of the GBM working group on Study Course in Molecular Life Science

Implementation:

- Annual Group Meetings as part of the Spring GBM Conference in Mosbach/Germany
- Organize Satellite conferences at every second biannual Molecular Life Science Meeting of GBM






## Activities of the GBM working group on Study Course in Molecular Life Science

Topics at Satellite conference 2013 at the Molecular Life Science Meetings in Frankfurt:

- Curriculum of Biochemistry for Bachelor Courses versus Master Courses
- Quality Control and Harmonization, Accreditation
- Implementation of Industry Requirements
- Openness in teaching: How is teaching received by the students
- Mobility, Mutual Acceptance of Courses, International Visibility, Admission Requirements



## Activities of the GBM working group on Study Course in Molecular Life Science

### **Suggestion of Major Educational Goals at European level** (according to WG LifeScience Coimbra Group)

- 1) Design of a framework for bioscientific Bachelor's and Master's programs.
- 2) Identification of general common criteria requirements for harmonization.
- 3) An agreement on common criteria for curricular design, mutual exchange and supervision.
- 4) Design of a systemic approach rather than single joint/double degree program developments

