

## Biochemistry Goals UMD-2011

1. Demonstrate an understanding of the underlying laws of Chemistry, Biology and Physics and their applications to organisms.
2. Demonstrate proficient knowledge of the biochemical reactions that sustain life.
3. Demonstrate an understanding of how biochemical reactions are regulated and integrated, and the flux and exchange of energy and matter between organisms and their surroundings.
4. Understand the biochemical foundations for the unity and the diversity of the living organisms.
5. Understand and employ the methods and techniques of biochemical research.
6. Understand how to analyze, interpret and communicate biochemical data.
7. Possess the skills and knowledge to collaborate with researchers in related and interdisciplinary fields.

## Committee members

Kazem Mostafapour  
Marilee Benore  
Peter Oelkers  
Sheila Smith  
Dan Lawson  
Jon Riebesell