



## Kolloquium des Max-Planck-Instituts

- Vortragender:** Dr. Birgit Schöberl  
(Merrimack Pharmaceuticals, Cambridge, USA)
- Vortragstitel:** Applying engineering principles to the development of novel cancer therapies
- Termin:** Dienstag, den 22. Juni 2010, 16:00 Uhr
- Ort:** Max-Planck-Institut Magdeburg, Sandtorstraße 1,  
Seminarraum V0.05/2-3, EG

### Abstract:

Combining quantitative biology and computational modeling provides a powerful toolkit to design novel therapies in a context dependent manner. We will provide multiple examples where we translated the insights gained from modeling and simulation into practice by engineering and testing novel, antibody-based therapeutics in the context of the computer simulations. Through this iterative process between computational modeling and antibody engineering, we gain a deeper understanding of the drug's mechanism of action which allows us to design therapeutics with a specific tumor type in mind. This context specific design can subsequently be translated into the clinic.

Der Vortrag wird in englischer Sprache gehalten.  
**Interessenten sind herzlich eingeladen.**