



International Workshop on  
**The Emerging Dynamic View of Proteins:  
Protein Plasticity in Allostery, Evolution, and  
Self-Assembly**

July 16 - 20, 2012

*Scientific coordination*

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Proteins are among the most fascinating forms of organic matter, involved in essentially all the biochemical reactions taking place in the cell. Their name was inspired by the name of Proteus, the Greek god who could change shape at its will. Nevertheless, the discovery that the native structure of a protein is to a large extent encoded in its amino acid structure, beautifully demonstrated by Anfinsen experiments almost 40 years ago, has strongly influenced a static view of proteins based on the one-sequence — one-structure — one-function paradigm and on the concept that the fold is conserved during evolution. Recently, a more dynamic view of proteins is again drawing the attention of researchers, and this workshop will bring together the leading experts that are contributing to this renewed view from diverse research areas, such as the study of natively unfolded proteins, allostery and catalysis recognized as intrinsic properties of dynamic proteins, the self-assembly of complex molecular machines, and fold and function changes in protein evolution and their relationship with protein dynamics.

**List of invited speakers:**

Simon Alberti (DE)  
Madan Babu (UK)  
Igor Berezovsky (NO)  
Erich Bornberg-Bauer (DE)  
Fabrizio Chiti (IT)  
Monica Fuxreiter (HU)  
Nick Grishin (USA)  
Vincent Hilser (USA)

Amnon Horovitz (IL)  
Dorothee Kern (USA)  
Michael Lässig (DE)  
Ruth Nussinov (IL)  
Christine Orengo (UK)  
Modesto Orozco (ES)  
Gunnar F. Schröder (DE)  
Petra Schuille (DE)  
Dan Tawfik (IL)

Sarah Teichmann (UK)  
Devarajan Thirumalai (USA)  
Anna Tramontano (IT)  
Vladimir Uversky (USA)  
Alfonso Valencia (ES)  
Michele Vendruscolo (UK)  
Thomas Weikl (DE)  
Martin Zacharias (DE)

**Applications** for participation and poster contributions are welcome and should be made by using the application form on the event's web page (please see URL below). The number of attendees is limited. The **registration fee** for the workshop is **120 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

**Deadline for registration is March 31, 2012.**

**For further information please contact:**

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