

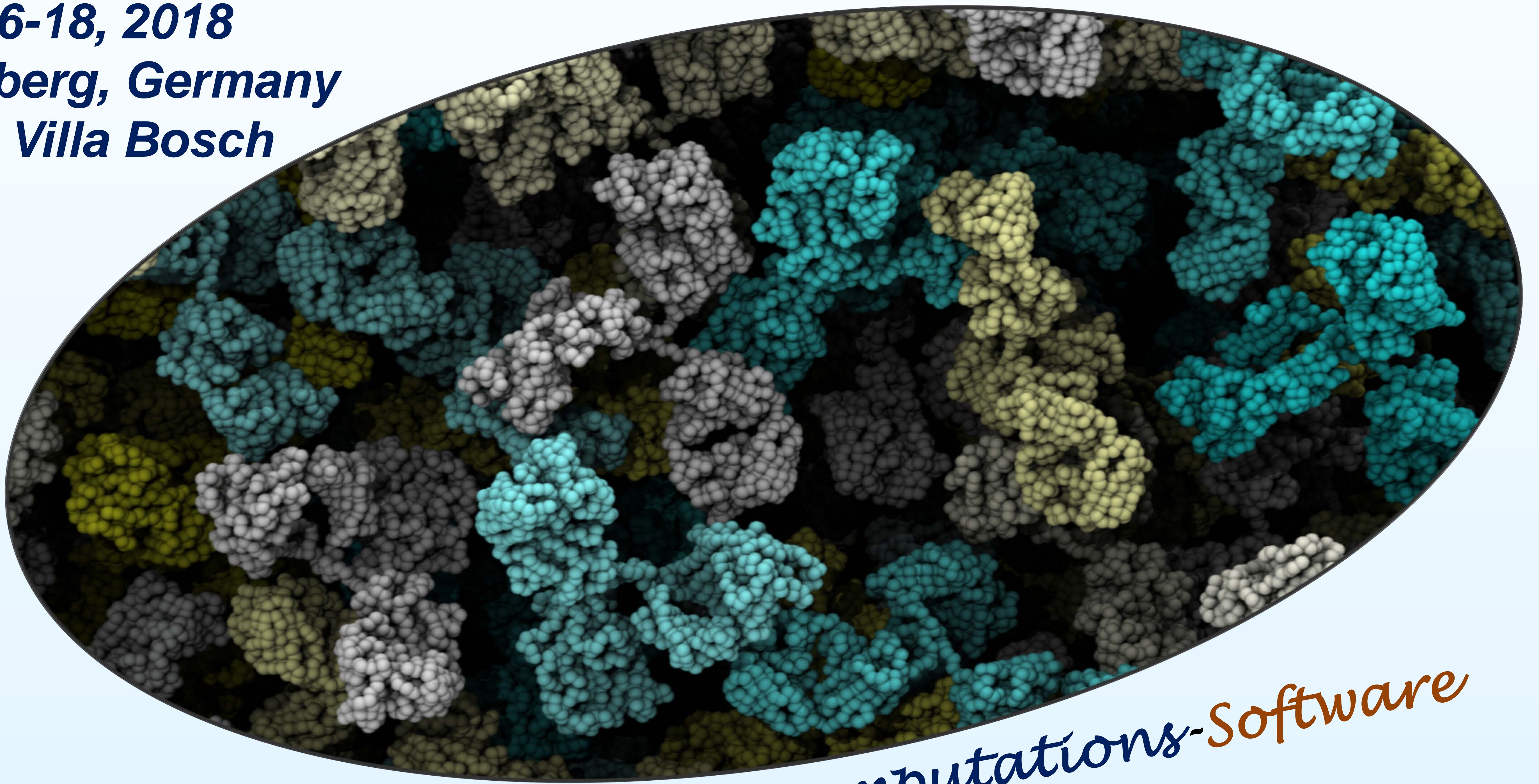
BDBDB4- **4th Biological Diffusion and Brownian Dynamics Brainstorm**

Registration:

<http://bdbdb.h-its.org>

Deadline: March 01, 2018

**April 16-18, 2018
Heidelberg, Germany
Studio Villa Bosch**



Experiment-Theory-Computations-Software

Aims

BDBDB4 will provide a forum for intensive discussions about the current state-of-the-art of experimental and theoretical studies of biological diffusion, with a focus on the Brownian Dynamics method for simulating biological macromolecules

Topics

- Cutting edge experimental techniques to study biological diffusion
- New computational approaches
- Multiscale simulation paradigms
- Macromolecular crowding
- Diffusion at the multi-cellular level
- Intrinsically disordered proteins
- Software tutorials

Confirmed Speakers

*Rommie E. Amaro (UCSD, San Diego, USA)
Chia-en Chang (UC Riverside, USA)
Joachim Dzubiella (Helmholtz Zentrum Berlin, Germany)
Michael Feig (Michigan State University, East Lansing, USA)
Sarah Harris (University of Leeds, UK)
Gary Huber (UCSD, San Diego, USA)
Ralf Metzler (Potsdam University, Germany)
Art Olson (Scripps Research Institute, San Diego, USA)
Jonas Ries (EMBL, Heidelberg, Germany)
Gideon Schreiber (Weizmann Institute, Rehovot, Israel)
Ulrich Schwarz (Bioquant, Heidelberg University, Germany)
Pieter Rein ten Wolde (Amsterdam, The Netherlands)
Huan-Xiang Zhou (Florida State University, USA)*

Organizing Committee

- *Rebecca Wade (HITS/Heidelberg University)*
- *Rommie E. Amaro (University of California San Diego)*
- *Ulrich Schwarz (Heidelberg University)*
- *Huan-Xiang Zhou (Florida State University)*
- *Neil Bruce, Gaurav Ganotra and Stefan Richter (HITS)*



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