



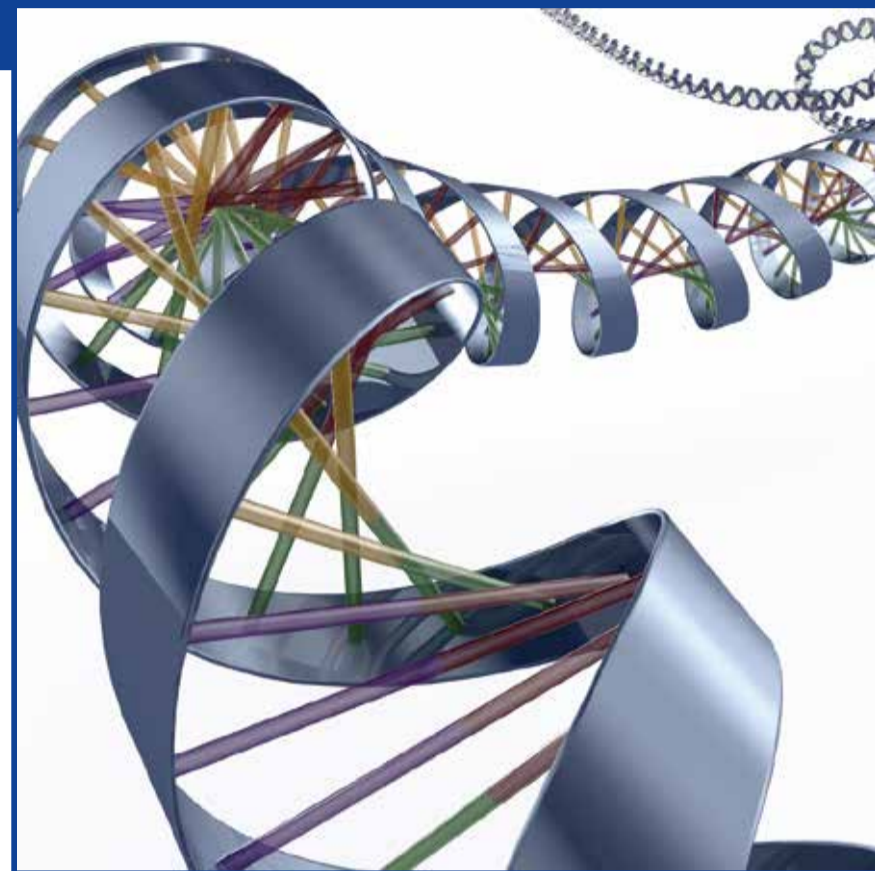
MAX-PLANCK-GESELLSCHAFT

# DNA-Based Nanotechnology: Digital Chemistry

Max Planck Institute for the Physics of Complex Systems

## International Workshop 5 - 9 May 2014

DNA nanotechnology has been seen as a fast evolving field in recent years. As an information coding polymer, DNA provides a unique and programmable route to build a digital chemistry molecular toolsets to achieve bio-inspired functional nanostructures with a precision and complexity not reachable by current lithographic techniques. The meeting will summarize the enormous progress in this rapidly growing cross-disciplinary field.



### Topics include

- structural DNA nanotechnology
- DNA-templated hybrid structures
- DNA-directed chemical structures
- visualization of single-molecule DNA reactions
- properties of DNA structures and DNA-based hybrids
- DNA mechanics
- molecular photonics
- light-harvesting systems
- sensor applications
- in-vivo applications of DNA structures
- DNA-based chemistry
- inspiring related fields and methods

### Invited speakers

M. Bathe (USA)	Y. Rondelez (Japan)
S. Bidault (France)	T. Schmidt (Germany)
C. Dekker (Netherlands)	N. Seeman (USA)
H. Dietz (Germany)	R. Seidel (Germany)
B. Dragnea (USA)	F.C. Simmel (Germany)
A. Ellington (USA)	H. Sugiyama (Japan)
G. Fettweis (Germany)	P. Tinnefeld (Germany)
O. Gang (USA)	A. Turberfield (UK)
A. Gopinath (USA)	C. Wege (Germany)
K.V. Gothelf (Denmark)	I. Willner (Israel)
F. Jülicher (Germany)	P. Yin (USA)
Y. Ke (USA)	
Y. Krishnan (India)	<b>Scientific coordinators</b>
T. Liedl (Germany)	Michael Mertig
C. Lin (USA)	Dresden, Germany
Y. Liu (USA)	Clemens Richert
T.K. Lu (USA)	Stuttgart, Germany
D. Luo (USA)	Hao Yan
C. Mao (USA)	Tempe, USA
C. Niemeyer (Germany)	<b>Organisation</b>
U. Rant (Germany)	Katrin Lantsch, MPIPKS

Applications received before February 28, 2014 are considered preferentially.

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

### For further information please contact:

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