

**Colloquium of the International Graduate  
Research Training Group I524 – SSNI –  
Self-Assembled Soft-Matter Nanostructures  
at Interfaces**



**Thursday, September 6<sup>th</sup> 2012, 16.00 h  
Technische Universität Berlin  
TC-Building, Room TC 0318  
Straße des 17. Juni 124, 10623 Berlin**

**Prof. Kenichi Yoshikawa**

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**“Real-world modeling of cell”**

“What is life?” This question still remains as one of the biggest unsolved question. We are now entering the era to explore the system dynamics of life based on the accumulating knowledge on abundant elements such as structure of proteins and sequence of genes. In the present talk, I would like to show some of the examples of real-world modeling toward the deeper understanding of life. 1) Construction of cell-sized vesicles with the ability of transcription and translation of genetic information. 2) Self-motile micro-droplet driven by chemical energy under isothermal condition.

We cordially invite everybody who is interested.

**Prof. Dr. Martin Schoen**

IGRTG I524 Chairman

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