

# The 70th *MANA* Special Seminar



## **“Soft Matter Devices”**

**(LbL assembly: A challenge to physics and a tool for chemistry and materials science)]**

**Chair: Dr. Takayoshi Sasaki (MANA PI)**



## **Prof. Gero Decher**

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Materials Science has always been driven by the desire to transform matter into something more useful which is typically also thought to be more valuable. One of the important tools for creating order is molecular self-organization based on molecules which undergo molecular self-assembly. However, even simple devices are often multimaterial composites with a complex and sometimes even hierarchical structure. It is evident that basic self-assembly methods will not be able to address molecular organization at this level and, as a consequence, multistep assembly procedures will need to be employed for the (nano)fabrication of such materials or devices. Layer-by-layer (LbL) assembly has, in the last years, developed into a method which begins to make it possible to construct multimaterial soft-matter devices by rational design.

***Venue: 4F Large Seminar Room,***

***Collaborative Research Bldg., NAMIKI Site***

***Date: Apr 2<sup>nd</sup> Thursday Time: 15:30-16:30***

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