



Thursday 29 October 2015
at 15:00 in the FKF Meeting-room

Professor Günter Mayer

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*"Modular approaches towards aptamer selection
and application"*

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Abstract:

We describe a novel and versatile method to modularly expand the chemical space of nucleic acid libraries, enabling the generation of nucleobase-modified aptamers with unprecedented recognition properties. Reintroduction of the modification after the enzymatic replication allows broad access to many chemical modifications. This wide applicability, not being limited to a single modification, will rapidly advance the application of in vitro selection approaches beyond of what is feasible to date, allowing the generation of aptamers to many yet non-targetable molecules.