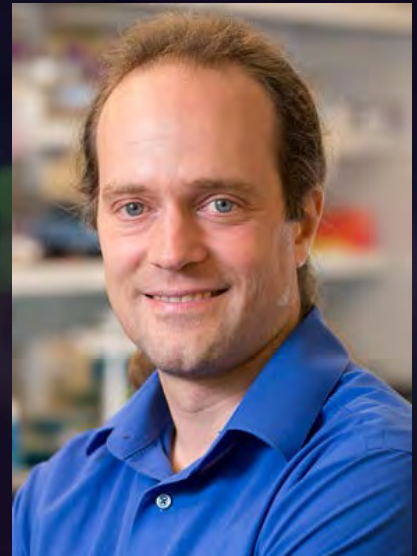


Yamate Evening Seminar

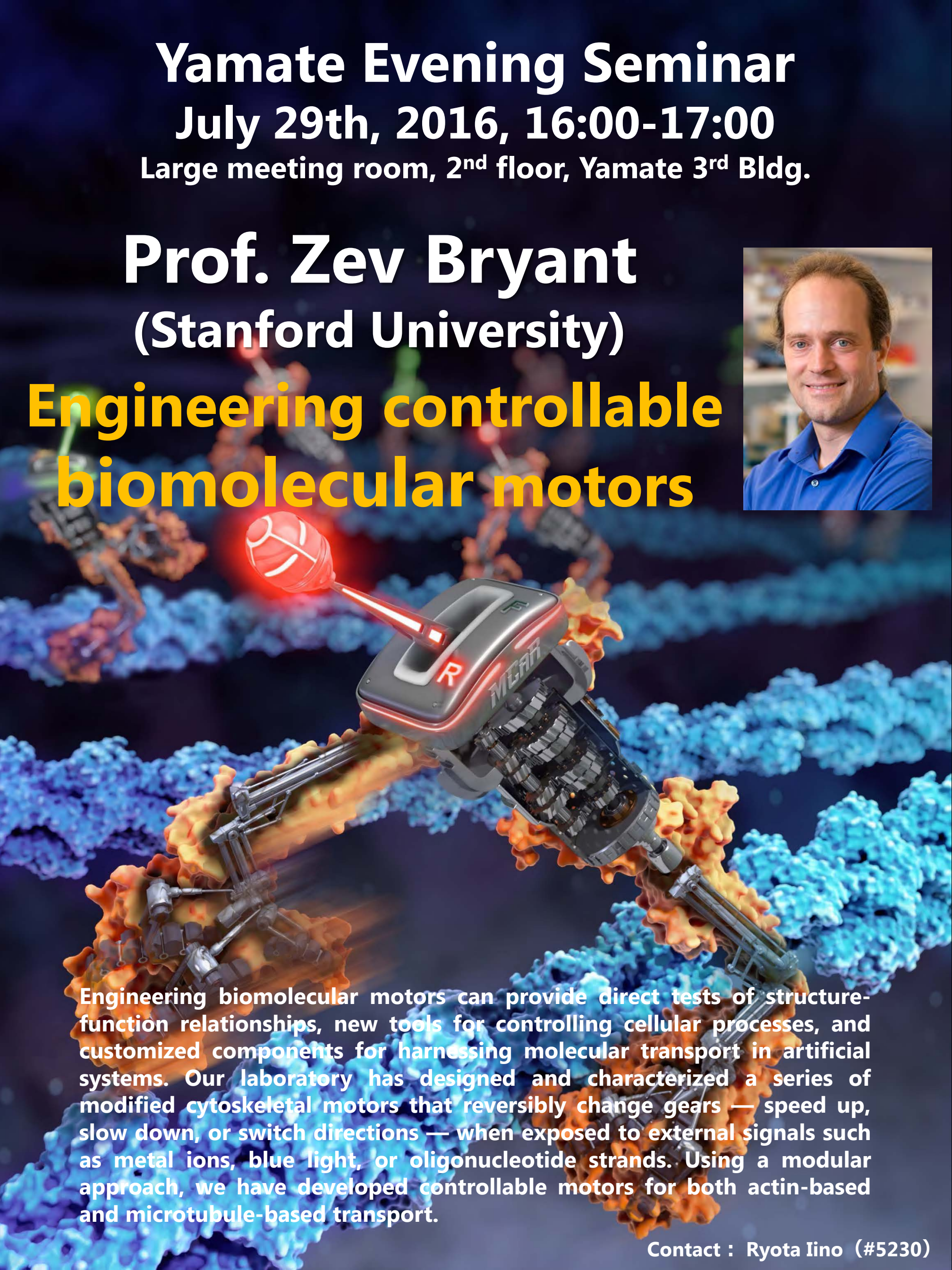
July 29th, 2016, 16:00-17:00

Large meeting room, 2nd floor, Yamate 3rd Bldg.

Prof. Zev Bryant
(Stanford University)



Engineering controllable biomolecular motors



Engineering biomolecular motors can provide direct tests of structure-function relationships, new tools for controlling cellular processes, and customized components for harnessing molecular transport in artificial systems. Our laboratory has designed and characterized a series of modified cytoskeletal motors that reversibly change gears — speed up, slow down, or switch directions — when exposed to external signals such as metal ions, blue light, or oligonucleotide strands. Using a modular approach, we have developed controllable motors for both actin-based and microtubule-based transport.

Contact : Ryota Iino (#5230)