TIMS/MANA Joint Seminar

SPEAKER: **Marcus Textor, Ph.D.**
Professor at ETH Zurich,
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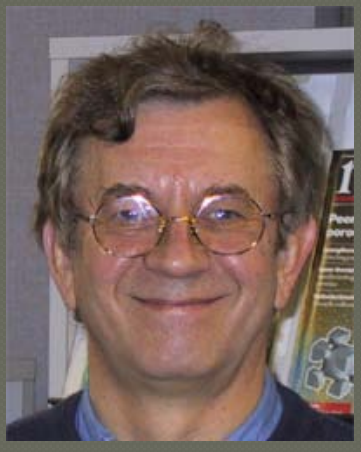


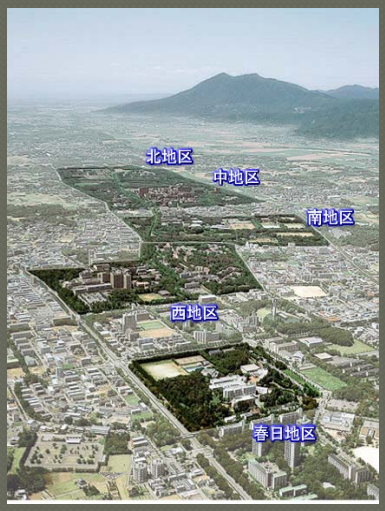
TITLE: **Creation of New Biointerface**

Date: **November 25, Tue,**
15:00-17:00

Site: **Lab.Adv.Res. B Room # 512**

SUMMAY

Poly(ethylene glycol) and poly(oxazoline)-grafted polyionic copolymers assemble spontaneously from aqueous solutions at charged interfaces resulting in well-defined, immobilized monolayers or multilayers depending on the polymer architecture. If the polymer is functionalized with bioligands such as peptides (to mimic cell-interactive proteins), biotin (link to (strept)avidin) or NTA-Ni^{2+} (link to histidin-tagged biomolecules), biomaterial and biosensor interfaces with quantitative control over ligand density can be efficiently produced.



TIMS MANA WPI

Site, Room Lab.Adv.Res. B 512, University of Tsukuba
Organizer, Tsukuba Research Center for Interdisciplinary Materials Science (TIMS), University of Tsukuba
Co-organizer, International Center for Materials Nanoarchtechtonics, WPI Research Center Initiative, MEXT