

The 2nd IMS-NANOTEC Joint Research Meeting

Venue: IMS Research Building Room201

Date: November 22th, 2018

9:30 Opening remarks by **Masahiro EHARA** (IMS)

9:35 Speech by **Uracha RUKTANONCHAI** (NANOTEC)

(Session 1)

Chaired by **Hiroshi YAMAMOTO** (IMS)

9:45 **Masahiro HIRAMOTO** (IMS)

“Bandgap Science for Organic Solar Cells”

10:15 **Supawadee NAMUANGRUK** (NANOTEC)

“Mechanistic Study of Hydrodeoxygenation of Dimethyl Sulfoxide on Pt5/MoO3 (010) Catalyst: Unraveling the synergism of Pt and Mo sites”

10:45 **Ryota IINO** (IMS)

“Operation and design principles of protein molecular motors”

11:15 **Satita TAPANEYAKORN** (NANOTEC)

“Peptide-based detection of pathogenic *Leptospira* spp. by immunofluorescence”

12:00 (Lunch)

(Session 2)

Chaired by **Masahiro EHARA** (IMS)

13:30 **Tawin IEMPRIDEE** (NANOTEC)

“Combating the ‘Silent Killer,’ Cervical Cancer: from Biomarkers to Anti-cancer Compound Discovery”

14:00 **Toshiki SUGIMOTO** (IMS)

“Toward understanding reactive surface species in photocatalytic water splitting”

14:30 **Chawewan SAPCHAROENKUN** (NANOTEC)

“Controllable synthesis of β -silver sulfide for Ag nanofilament fabrication used for SERS activities”

15:00 (Coffee break)

(Session 3)

Chaired by **Masahiro EHARA** (IMS)

15:15 **Akihito ISHIZAKI** (IMS)

“Effects of dephasing upon photophysical/photochemical quantum dynamics in condensed phase molecular systems”

15:45 **Chompoonut RUNGNIM** (NANOTEC)

“The effect of intramolecular vibration from chlorophyll special pair towards primary charge separation in the photosystem II reaction center”

16:15 **Maho YAGI-UTSUMI** (IMS)

“NMR structural analyses of molecular assembly of amyloid- β ”

16:45 Closing remarks by **Wanee CHINSIRIKUL** (NANOTEC)