

アドバンス生命理学特論 High Resolution Cell Biology

10/1に行われる構造生物学研究センターシンポジウムHigh Resolution Cell Biologyをアドバンス生命理学特論とします。海外からも多くの研究者をお招きして、NMRによる原子レベルのゆらぎから、電子顕微鏡、AFM、細胞生物学に至る広い範囲の最新の構造生物学を扱います。是非出席してください。

以下のプログラムのうち、1つのセッションを一つの特論とし、1つ出席の場合は1回、2つ以上のセッションに出席した場合、2回のアドバンス生命理学特論出席として扱います。

日時、場所

10/1 9:20-16:20 ES総合館1F会議室

予約等は必要ありません。

9.20-9.30 Opening remarks by *Hidekazu HIROAKI*

1st. Session: Chair by <i>Kingo TAKIGUCHI</i>	
9.30-10.10	<i>Jiro USUKURA (Nagoya Univ.)</i> title: High resolution in situ imaging of cytoskeleton by AFM in liquid environment
10.10-10.30	<i>Shiwei ZHU (Nagoya Univ.)</i> title: Roles of a stator associated protein FliL in the sodium-driven

10.30-10.50 Coffee break

2nd. Session: Chair by <i>Yohei MIYANOIRI</i>	
10.50-11.10	<i>Joshua ZIAREK (Harvard Medical School, USA)</i> title: Deciphering GPCR signal transduction through solution NMR: challenges and technical solutions
11.10-11.30	<i>Naoko IWAYA (Nagoya Univ.)</i> title: Structure and function of katanin, a microtubule severing protein
11.30-12.10	<i>Peter GUNTERT (Goethe Univ. Frankfurt, Germany)</i> title: Insight into protein structure and dynamics from solution- and solid-state NMR

12.10-13.10 Lunch

3rd. Session: Chair by <i>Akihiro NARITA</i>	
13.10-13.50	<i>David POPP (A*STAR IMCB, Singapore)</i> title: Science is a good game
13.50-14.10	<i>Adrian KOH (National Univ. of Singapore)</i> title: Bacterial Actin homologues in <i>Clostridium Perfringens</i> and <i>Botulinum</i>
14.10-14.30	<i>Kotaro TANAKA (Nagoya Univ.)</i> title: Elucidation of structural change in actin filament invoked by cofilin

14.30-14.50 Coffee break

4th. Session: Chair by <i>Hidekazu HIROAKI</i>	
14.50-15.30	<i>Asako SHINDO (Nagoya Univ.)</i> title: Planar cell polarity pathway coordinates cortical actomyosin during collective cell movement
15.30-16.10	<i>Takayuki NISHIZAKA (Gakushuin Univ.)</i> title: Mechanics of Motor Proteins and Supermolecular Motility Machinery Revealed under Advanced Optical Microscopes

16.10-16.20 Closing remarks by *Akihiro NARITA*