HiHA Seminar

Hiroshima Research Center for Healthy Aging (HiHA)

主催: 広島大学健康長寿研究拠点

HIROSHIMA UNIVERSITY

「分裂酵母における動原体-微小管結合インターフェイスの生化学的解析」

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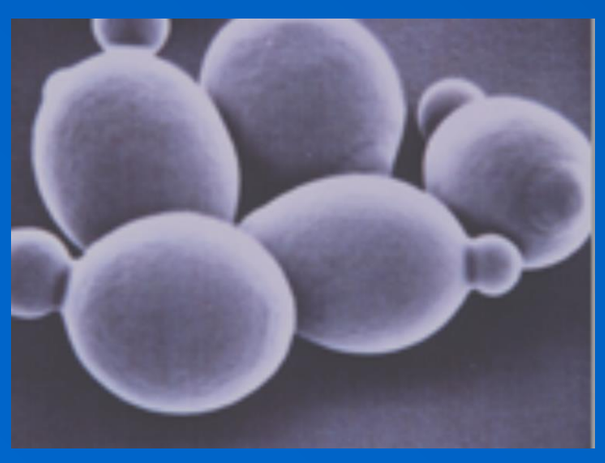
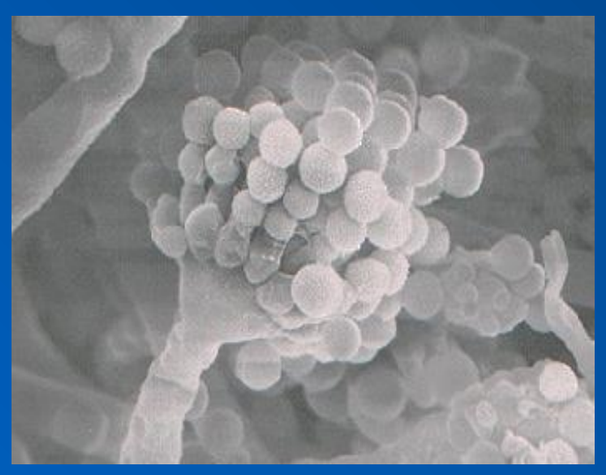
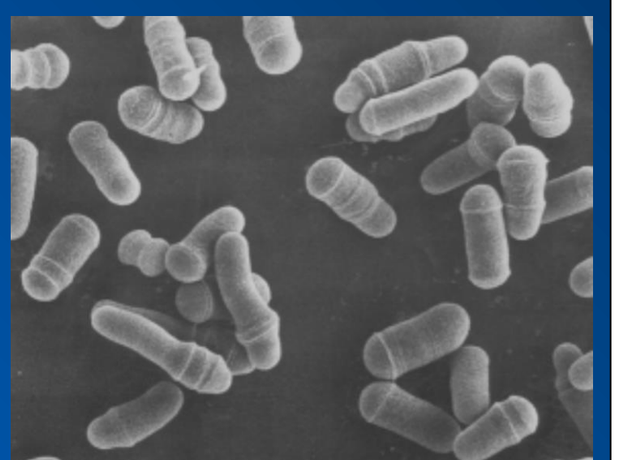
≪概要≫

In order to ensure accurate chromosome segregation, the kinetochore must be properly captured by spindle microtubules. We previously demonstrated that in fission yeast the conserved Ndc80 complex interacts with several microtubule-associated proteins (MAPs) (two distinct XMAP215 homologues, the Dis1 and Alp14-Alp7 complex), thereby establishing proper kinetochore-microtubule attachment. However, the molecular mechanisms underlying the kinetochore-microtubule interface are still poorly understood.

To gain insight into how the Ndc80 complex and MAPs interact and attach to the microtubule end, it is critical to biochemically reconstitute the kinetochore-microtubule interface using defined pure components, namely MAPs and dynamic microtubules. In this presentation, I would like to show our recent progress on the in vitro reconstitution of the kinetochore-microtubule interface.







※本セミナーは5研究科共同セミナーです。

開催日時:平成 28 年 1 月 8 日(金) 14:00-15:00

会場:広島大学先端科学総合研究棟 4F 405N講義室

お問い合わせ先

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