

分子生物学科・環境科学研究センター共催セミナー

Microalgal Biotechnology and Bioinformatics

Research @KMUTT

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日時:平成 28 年 3 月 9 日 (水) 16:00~17:10

場所:理学部講義実験棟 3 番教室

Algal biotechnology research at KMUTT was started since 1985. We have aimed to *Spirulina* sp., a cyanobacterium well known as a supplemented food and feed, due to its property containing high protein content (50-70% dry weight), essential polyunsaturated fatty acids (PUFA), particularly γ -linolenic acid (GLA, C18:3^{6,9,12}), potential bioactive compounds including C-phycoyanin, sulfated polysaccharides—Calcium Spirulan (Ca-SP), sulfolipid—sulfoquinovosyl diacyl glycerol (SQDG) and others which found to be important in pharmaceuticals/medicine. In this seminar, overview of the research concerning the bioactive compounds and focusing points on the algal growing with efficiency platform, both Biotechnology and Bioinformatics approaches will be presented.

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