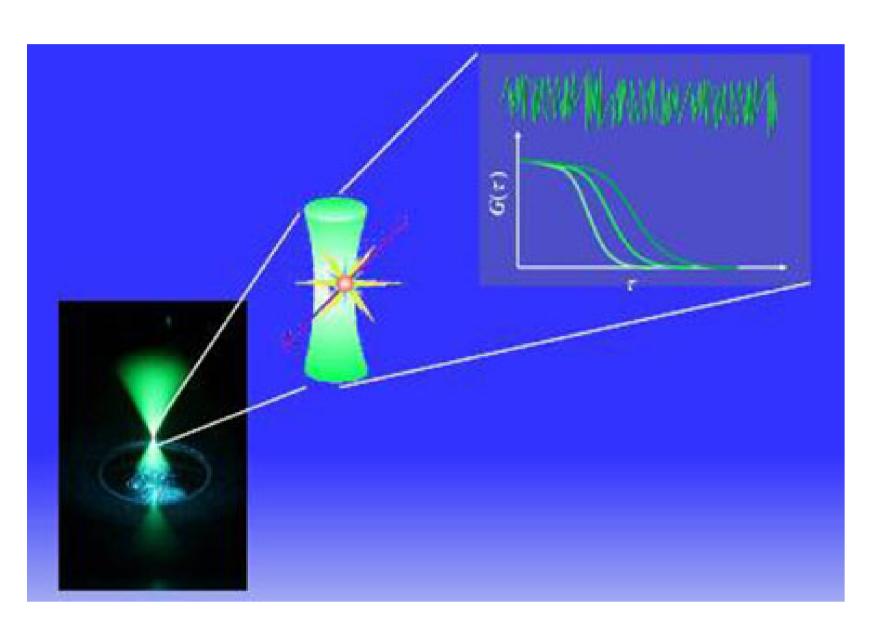
Cell Biological Science WORKSHOP (FCCS/FCS WORKSHOP)

HOKKAIDO SUMMER INSTITUTE 2022

HOKKAIDO SUMMER INSTITUTE

Sapporo, JAPAN

Life science special lecture III (G020, G021) 生命科学特別講義 III (2022年8月29(月)~9月3日(土))



(1)Advanced Fluorescence Microscopy in Life Science Research(先端的光学顕微鏡による生命科学研究)

This course is on advanced fluorescence microscopy imaging and spectroscopy techniques for quantitative study of molecular transport and interactions in live cells by using Fluorescence Correlation Spectroscopy and Fluorescence Cross Correlation Spectroscopy.

(2) Practical bioimaging workshop for life sciences

(生命科学分野の実践的バイオイメージングワークショップ)

The course is on mainly laboratory sessions, discussion sessions and a project work for understanding basic and advance techniques of FCS and FCCS. Participants are encouraged to have lecture session of advanced microscopy course.



Lecturers

Akira Kitamura

Hokkaido University, Graduate School of Life Science



Karolinska Institutet Thorsten Wohland

Vladana Vukojevic

National University of Singapore

Sho Oasa

Karolinska Institutet

Johtaro Yamamoto

Hokkaido University, Graduate School of Life Science

Masataka Kinjo

Hokkaido University, Graduate School of Life Science

Tokuko Haraguchi

Osaka University, Graduate School of Frontier Biosciences

Yasushi Hiraoka

Osaka University, Graduate School of Frontier Biosciences

Yasuhiro Hirano

Osaka University, Graduate School of Frontier

Biosciences

Ikuo Wada

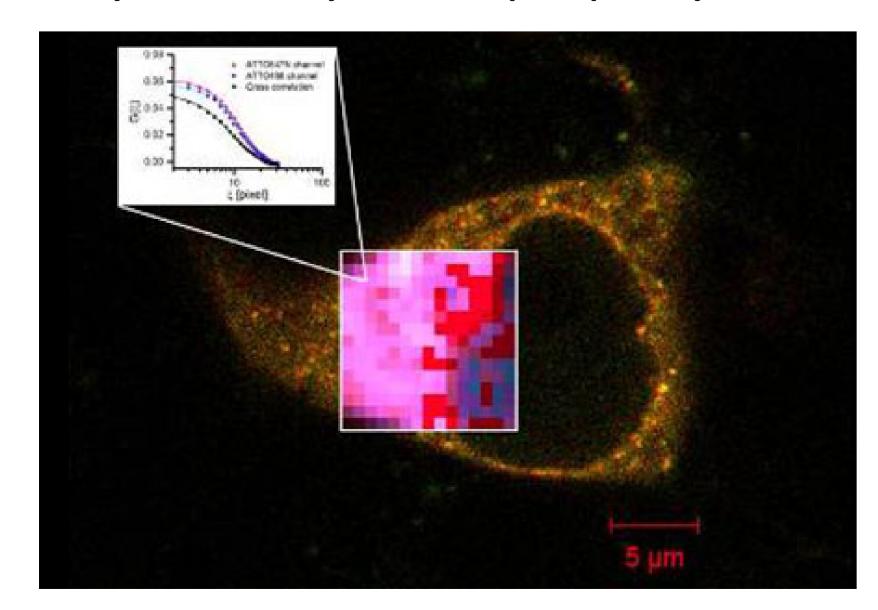
Fukushima Medical University

Integrated Materials and Life Science (G019) 統合物質生命科学特論 (2022年9月1(金)~3日(土))

(3) Imaging Live-Cell Dynamics I and II

(細胞分子動態科学 1, 11)

This course is on advanced Fluorescence Correlation Spectroscopy and Fluorescence Cross Correlation Spectroscopy to analyze the dynamic property from live cell imaging. Main techniques are RICS, ICS and 2D imaging.



Lecturers

Akira Kitamura

Hokkaido University, Graduate School of Life Science

Vladana Vukojevic Karolinska Institutet

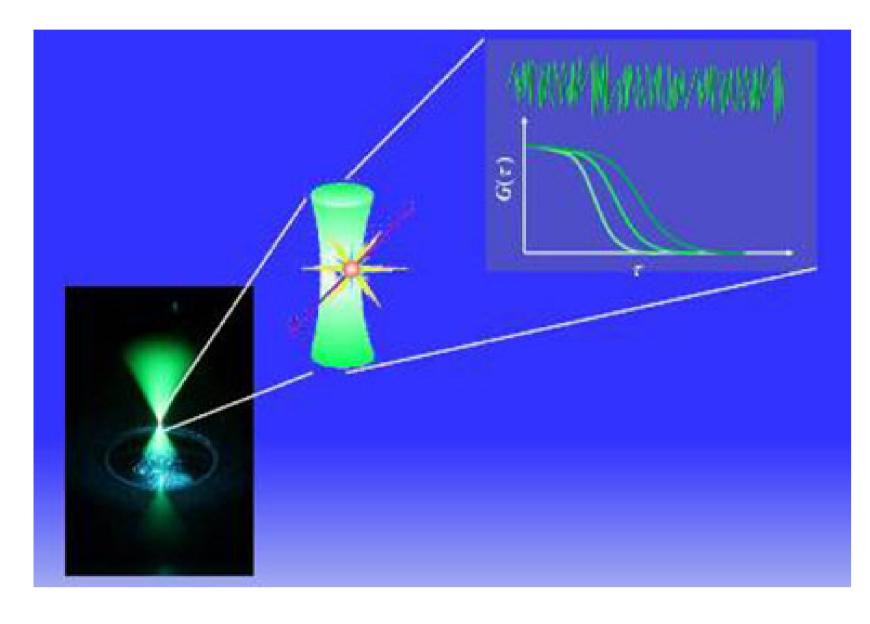


Thorsten Wohland

National University of Singapore

Cell Biological Science WORKSHOP) (FCCS/FCS WORKSHOP) HOKKAIDO SUMMER INSTITUTE 2022 Sapporo, JAPAN

Life science special lecture III (G020, G021) 29/Aug/2022 – 3/Sep/2019



(1) Advanced Fluorescence Microscopy in Life Science Research

This course is on advanced fluorescence microscopy imaging and spectroscopy techniques for quantitative study of molecular transport and interactions in live cells by using Fluorescence Correlation Spectroscopy and Fluorescence Cross Correlation Spectroscopy.

(2) Practical bioimaging workshop for life sciences

The course is on mainly laboratory sessions, discussion sessions and a project work for understanding basic and advance techniques of FCS and FCCS. Participants are encouraged to have lecture session of advanced microscopy course.



Lecturers

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Hokkaido University, Graduate School of Life Science

Vladana Vukojevic Karolinska Institutet

Thorsten Wohland

National University of Singapore

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Yasuhiro Hirano

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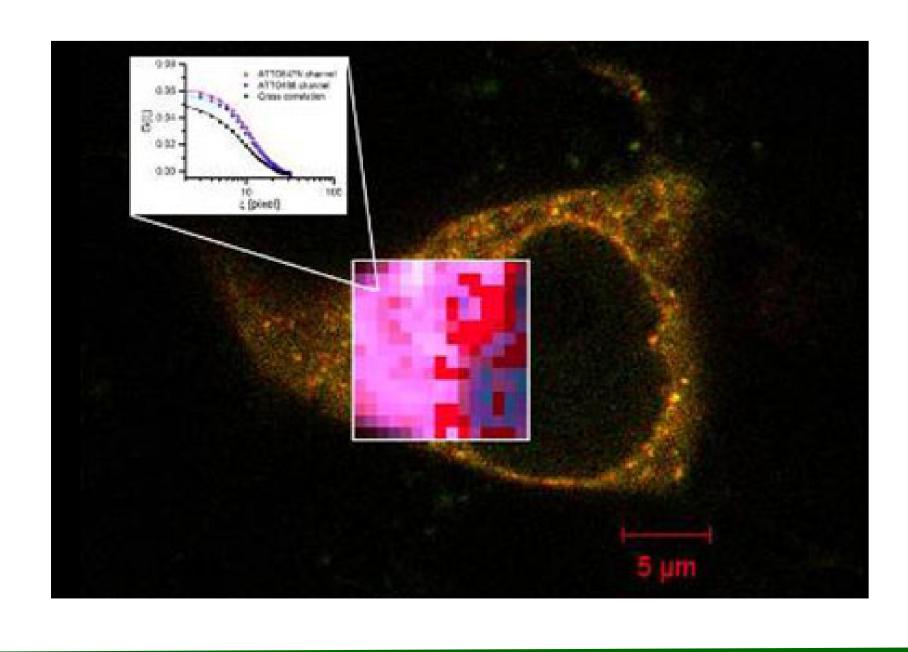
Ikuo Wada

Fukushima Medical University

Integrated Materials and Life Science (G111) 1/Sep/2022–3/Sep/2022

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Lecturers

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Hokkaido University, Graduate School of Life Science

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National University of Singapore

