Keio University Global Research Institute (KGRI)
Lecture series

【Optical Technologies for Applications in Regenerative Medicine】

Prof. Dr. Alexander Heisterkamp
Leibniz University Hannover, and Laser Zentrum Hannover e.V., Germany

日時（Date & Time）:
Part 1: Tuesday, September 11th 4PM-5:30PM, (Open 3:45PM)
Part 2: Wednesday, September 12th, 10AM-11:30 AM (Open 9:45AM)

会場（Venue）:
Part 1: 16th Building-A 3F Meeting Room, Yagami Campus, Keio University
Part 2: 14th Building (Sosokan) 2F Seminar Room 3, Yagami Campus, Keio University

主催（Host）:
Keio University Global Research Institute's Creativity Initiative

講演概要（Summary of Lecture）:

Light allows the noninvasive and contact free visualization and manipulation of living cells and tissues. Focusing light to microscopic scales enables the observation and control of living systems at the level of single cells and to study or control regenerative processes. In the first part of the lecture, the fundamentals of imaging and observation by means of different microscopic techniques will be introduced, alongside with several examples from the field of regenerative medicine. The second part concentrates on the manipulation of cells and tissues using laser ablation or optogenetic methods, also accompanied by several examples from biology and medicine.

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Free admission, Open to anyone,
Pre-registration not required