奈良先端科学技术 大学院大学院 物質創成科学研究科

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会議等名称 International Conference on Miniaturized Systems for Chemistry and Life Sciences (µTAS 2018)

開催地 Kaohsiung, Taiwan

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1) 会議（研究会）の概要

Aim at the promotion and advancement of science and engineering in the field of chemical and biological microsystems, and to stimulate the exchange of ideas and information between academic, industrial, and government researchers.

2) 会議（研究会）で発表した研究テーマとその討論内容

1. Does lasting bubbles disturb the jet flow generation?

→Yes, but our new data suggests a possibility to bring away the bubbles by the main flow when laser is located properly.

2. Does this new strategy induce turbulence flow?

→Yes, we did observe that turbulence, which might be a big and evitable drawback.

3) 出席した成果（ご自身の研究のみならず、他の研究者との交流を通じて得たものがあれば具体的に報告して下さい。）

Research trend:

1. More and more bio-applications, so-called organ-on-a-chip, which simulates the bio-environment and function of human organ for basic research, disease model, therapy/drug development, and so on.

2. Moreover, a recent hot tool, AI/deep-learning, is combined to microfluidic chip for signal detection (Diagnosis).

4) その他

Poster presentation
Oral venue
Poster Venue