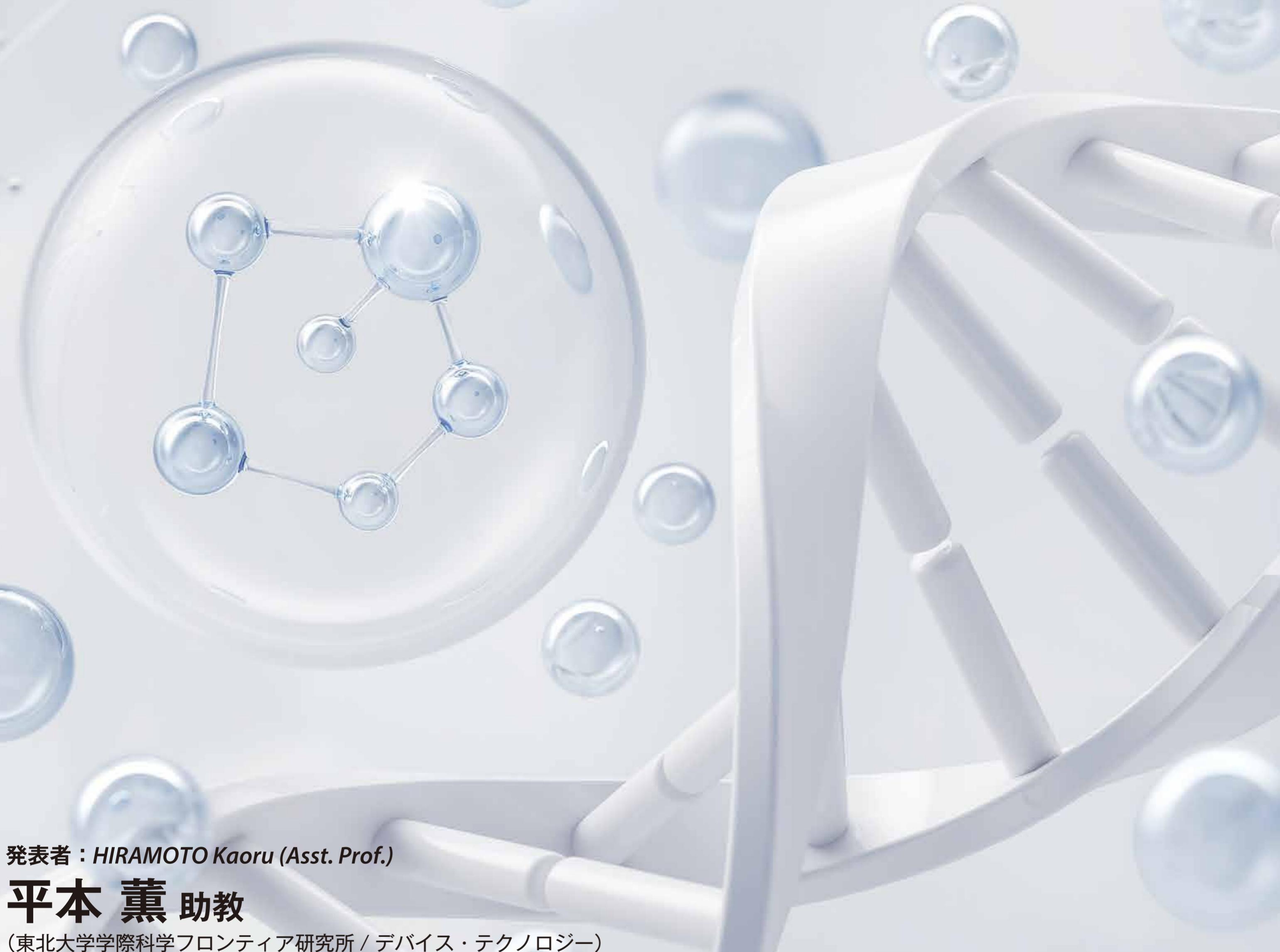


FRIS/TI-FRIS

Vol.73

Vol.57

Hub Meeting



発表者 : HIRAMOTO Kaoru (Asst. Prof.)

平本 薫 助教

(東北大学学際科学フロンティア研究所 / デバイス・テクノロジー)

生命科学のための微小電流センサ開発

Exploring Microcurrent Sensors for Life Science Applications

Summary

Real-time detection of how individual cells, DNA, and proteins behave and change is essential for early disease detection and the development of new therapies. Microcurrent sensors can capture subtle electrical signals that indicate the presence of biomolecules in cell secretions or biological fluids, offering label-free and rapid measurements. These sensors not only deepen our understanding of fundamental life science phenomena but also show promise for highly sensitive and quick diagnostic applications. This talk provides an overview of recent advances in microcurrent sensor development and discusses remaining challenges toward clinical use.

*Language: English

第73回 FRISハブミーティング/第57回 TI-FRISハブミーティング

2026.

2. 26
16:00 -



参加登録