

MicroChip Biosystems Lab. 학부/석박사 연구생 모집


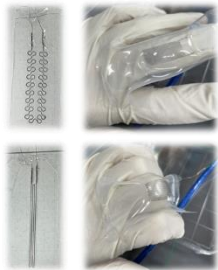
마이크로칩 바이오시스템 연구실에서 학부 연구생 및 석박사 학생을 모집하고 있습니다.
관심 있으신 분들은 12월 31일까지 netjay@korea.ac.kr로 간단한 자기소개를 보내주시길 바랍니다.

본 연구실에서는 아래와 같은 연구를 진행하고 있습니다.

- 액체 금속을 이용한 다양한 wearable/stretchable 센서
- 반도체 공정을 이용한 바이오 진단 미세유체 칩 (e.g. 암, 바이러스 등)
- 생체바이오칩 (Organ-on-a-Chip)

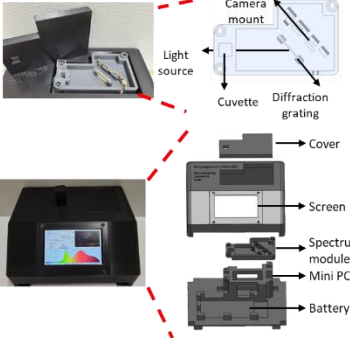
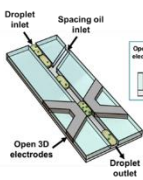
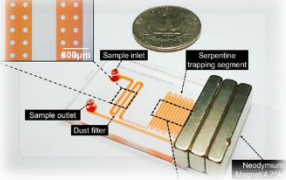
Liquid metal sensor

- Increased ICP in infants may be the clinical expression of several intracranial pathologies
- ⇒ Liquid metal-based non-invasive, real-time monitoring ICP sensor for infants

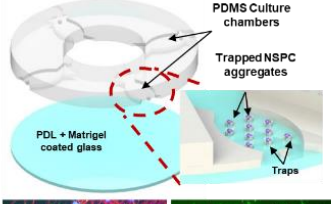
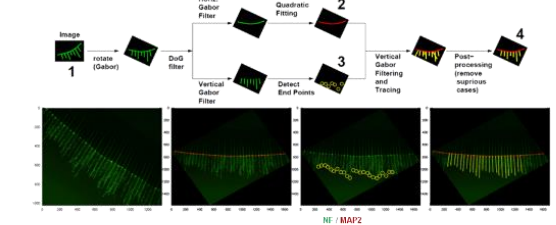
Diagnosis chip

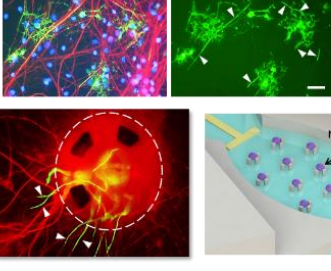
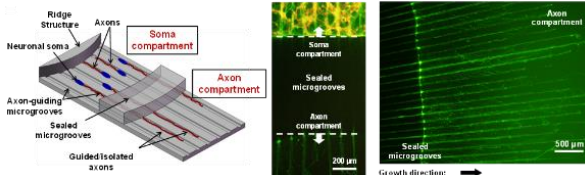
- Detection of cCPC using microfluidic platform
- Metastasis diagnosis with magnetic gradient
- 3D Liquid metal Capacitive/Impedance Sensor

NSPC culture biochip as an *in vitro* model for CNS myelinogenesis

Axon regeneration chip

Jaewon PARK
Department of Electro-Mechanical Systems Engineering
Director, MicroChip BioSystems Lab.
E-mail: netjay@korea.ac.kr