Development of a Microfluidic Platform for the Study of Immune Cell Interaction during Allergy Response
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● DESCRIPTION OF WORK
  ✓ Development of microfluidic platforms with electrochemical detection scheme for immune cell exocytosis study
  ✓ On-chip immune cell characterization
  ✓ Study of cellular interaction on-a-chip

● MAJOR OBSERVATIONS
  To date,
  ✓ Devices have been fabricated as desired.
  ✓ Cells were successfully cultured in device type 1.
  ✓ Basic performance of device type 2 worked well and has been optimized.

Type 1. Reservoir-based device

Type 2. Droplet-based device