

## Equipment available for self-use by trained researchers



- QX200 Droplet Digital PCR system (BioRad)\*
- CFX96 Real-time PCR system (BioRad)\*
- BluePippin DNA fractionator (Sage Science)
- McIlwain Tissue Chopper
- Minilys homogenizer (Bertin Instruments)
- EVE automated cell counter (NanoEnTek)
- Countess 3 FL automated cell counter (Invitrogen)
- Qubit 4 fluorimeter (Invitrogen)
- T-100 thermal cycler (BioRad)
- VeritiPro thermal cycler (Applied Biosystems)
- Guava easyCyte 12HT flow cytometer (Cytek Biosciences)\*\*
  - 405/488/642 nm laser configuration
  - 13 detection channels
  - sampling system compatible with 1.5 ml tubes and 96-well plates
- Guava Muse Cell Analyzer (Cytek Biosciences)\*\*
- gentleMACS Octo Dissociator with Heaters (Miltenyi Biotec)

Wish to use the equipment? Contact us at: [lab.single.cell@ibch.poznan.pl](mailto:lab.single.cell@ibch.poznan.pl)

\* Book at: <https://reservation.ibch.poznan.pl>

\*\* Book at: <https://reservation.ibch.poznan.pl>. Only the persons who completed our practical training are authorized to operate the cytometer. Otherwise, the analyzes can only be done by the Laboratory staff\*\*\*.

## Equipment operated by the Laboratory staff



- FACSAria Fusion cell sorter (Becton Dickinson)\*\*\*
  - 405/488/561/640 nm laser configuration
  - integrated into a dedicated BSL-2 laminar flow cabinet
  - 4-way sorting
  - ACUDU unit for directly sorting onto multiwell plates and microscope slides
  - sort collection vessels: 1.5/2 ml tube, FACS tube, 15 ml tube, multiwell plates (up to 96 wells), microscope slides
  - 70, 85, 100 & 130  $\mu$ m nozzles – gentle sorting possible
  - temperature control for pre-sort and post-sort samples available
  - several sort precision modes, including single cell sorting
- Amnis ImageStream<sup>X</sup> Mk II imaging flow cytometer (Cytek Biosciences)\*\*\*
  - 405/488/561/642 nm laser configuration
  - 2 cameras, 12 detection channels
  - MultiMag: 20x/40x/60x objective lenses
  - AutoSampler, EDF, High Gain mode
- Chromium Controller (10x Genomics)
- Chromium X (10x Genomics)
- Drop-Seq (Fluidigm)
- TapeStation 4150 nucleic acid analyzer (Agilent)
- epMotion 5073t liquid handler (Eppendorf)

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\*\*\* You will be asked to fill in a sample submission form.

### Contact & updates:

Laboratory of Single Cell Analyses

[lab.single.cell@ibch.poznan.pl](mailto:lab.single.cell@ibch.poznan.pl)

<https://portal.ichb.pl/laboratory-of-single-cell-analyses/>

Dr. Paulina Jackowiak, Assoc. Prof.

Head of the Laboratory of Single Cell Analyses

[paulinaj@ibch.poznan.pl](mailto:paulinaj@ibch.poznan.pl)