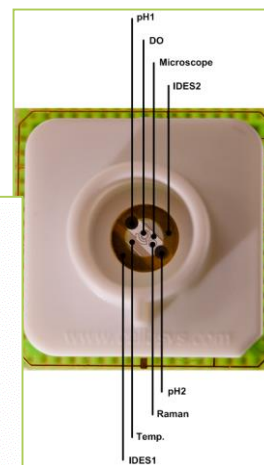
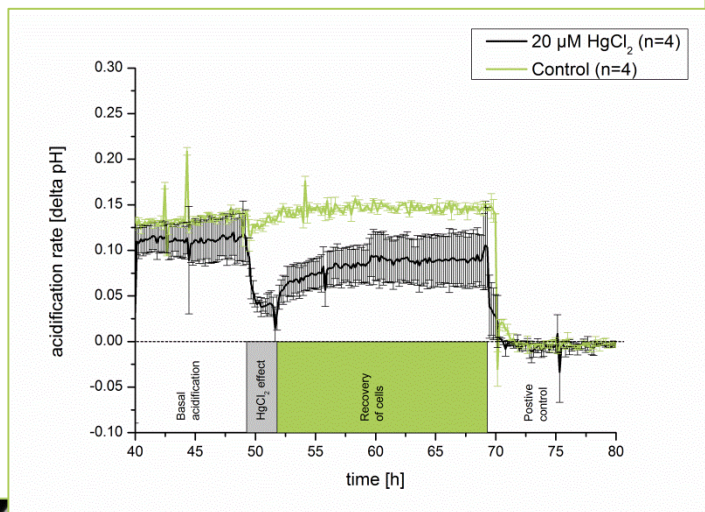


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your partner in microphysiometry

- Toxicodynamics
- Drug development
- Environmental monitoring
- Personalized medicine
- Food additives



- Extracellular acidification
- Cellular respiration
- Impedance
- Temperature
- Optical access



- Cells in suspension
- Adherent cells
- Spheroids
- Transwell inserts
- Organ on chip



- DALiA client 2.0 software
- Modular setup
- Automated fluidic system
- Temperature control
- Long-term experiments

High-content cell based assays

Selected papers

IMOLA-IVD technology:

Weiss, D. et al. : **Label-free monitoring of whole cell vitality**, 35th Annual International Conference of the IEEE EMBS, Osaka, Japan, 3 – 7 July, 2013, 1607-1610

Data processing:

Wiest, J. et al.: **Data processing in cellular microphysiometry**, IEEE Transactions on Biomedical Engineering, 2016, DOI 10.1109/TBME.2016.2533868

Environmental monitoring:

Wiest, J. et al.: **Intelligent Mobile Lab for Metabolics in Environmental Monitoring**, Analytical Letters, 2006, 39, 8, 1759-1771

Oncology:

Wolf, B. et al.: **Cellular signaling: aspects for tumor diagnosis and therapy**, Biomedizinische Technik, 2007, 52, 164-168, DOI 10.1515/BMT.2007.030

Organ on chip:

Marx, U. et al.: **Biology-inspired microphysiological system approaches to solve the prediction dilemma of substance testing**, ALTEX. 2016, DOI: 10.14573/altex.1603161

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