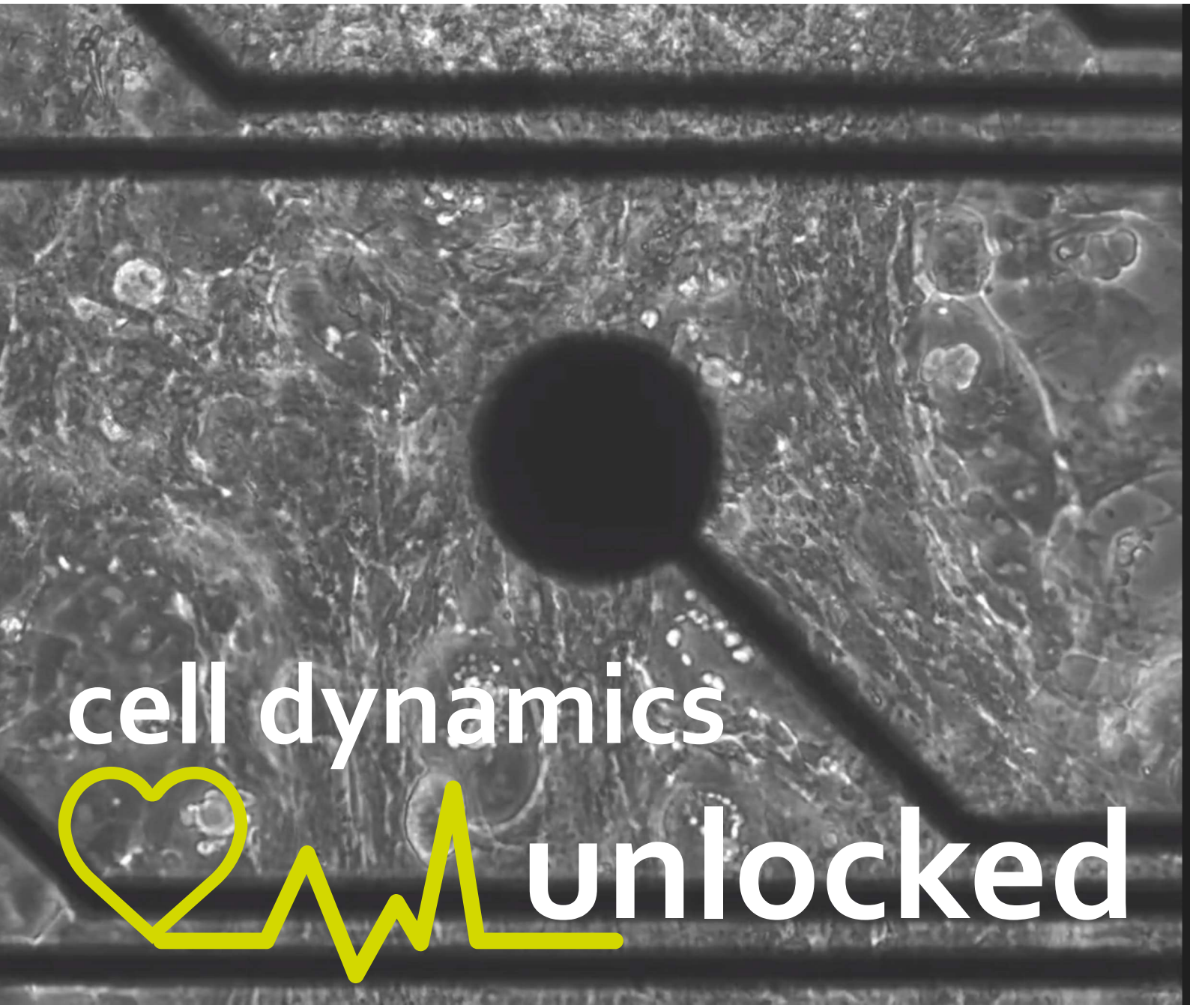
CardioEpiX

next generation **cell based assay platform**



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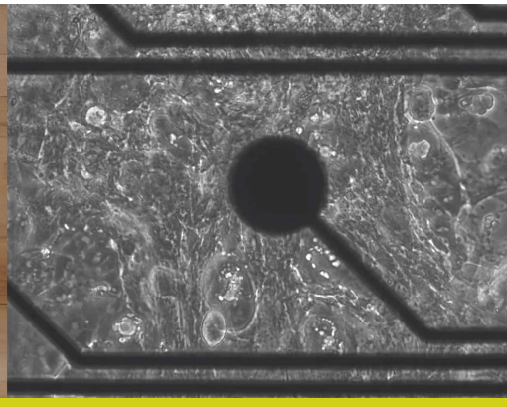


wide range of electrophysiological techniques

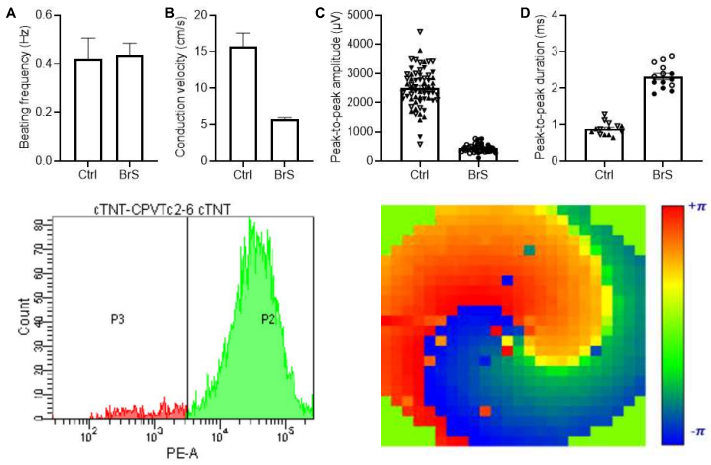
- complex electrical impedance spectroscopy (EIS)
- electrophysiological (cell) potential measurements (EFP)
- electrical Impedance Tomography
- complex Electrical Stimulation
- temperature measurements
- additional control and sensing options

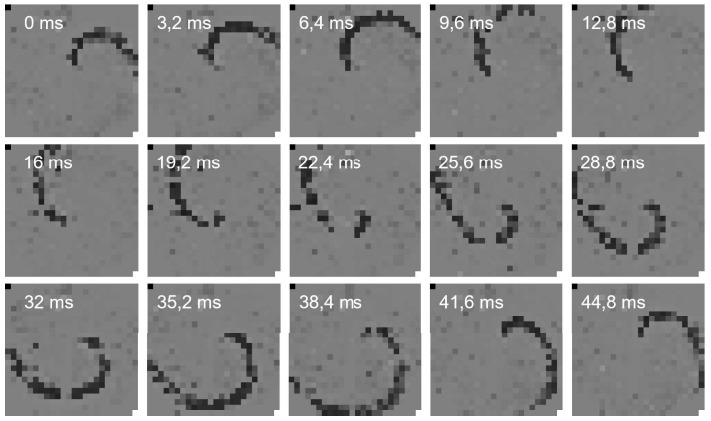
512 simultaneous measurement channels

- software selectable current or potential measurement
- fully simultaneous/parallel data acquisitions on all 512 channels
- high precision complex impedance measurements up to 1 MHz
- low noise potential measurements with up to 50 kSPS
- EIT measurements with up to 100 fps

game changing insights into cardiac cell behaviour

- surpass conventional cardiac safety by adding sensitivity and specificity
- assess spatially, temporal distributed dynamic patterns
- characterize **cardiac reentry** phenomenae
- metrics correllated with atrial fibrillation & other arithmic dysfunction
- open up the door for disease and patient specific **diagnostics, drug development and testing**





cardiac dynamics and reentry

diagnostics, drug development and testing

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European Union

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