Akura™ Next Generation Platforms

Academic Access Program

Adding physiological complexity with seamless continuity

Developing higher order systems that reflect real human biology is not easy. It typically requires an inter-disciplinary research team of experts in the fields of bio-microfluidics, bioengineering, micro-fabrication technologies, and cell biology.

But you don't have to prepare a massive program grant to get started.

With the Akura™ Next Generation Academic Access Program, you can immediately start to use exciting new technology to investigate complex biological questions in your research.

- Add a new level of physiological complexity to spheroid/organoid assay
- Address questions that can't be answered in static / non-multi-tissue settings
- Ask biologically relevant questions and skip spending time and money on the platform development and bio-engineering issues
- Start tomorrow with multi-tissue systems using a powerful, yet easy to use plug-and-play microfluidic technology platform
- Take advantages of InSphero's expertise and consulting in developing 3D models development, platform engineering and read out integration

Apply now

Guidelines

To apply for the academic access program, submit a one-page abstract that provides:

- A concise summary of your research project, goals, and objectives
- Background and qualifications of your research team
- Details on how you anticipate applying the Akura™ Flow system and proposed experimental setup

SCAN TO CONTACT US

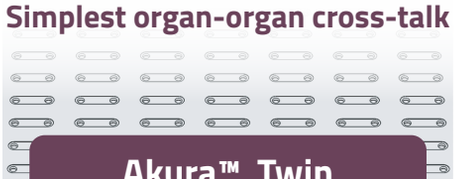
insphero.com

Everything you need to get started with organ-on-chip technology

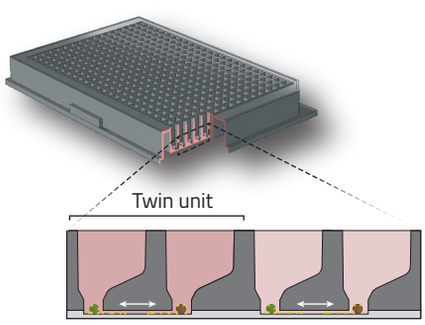
Academic Access Program

Augment your 3D *in vitro* assay with three complementary platforms enabling unlimited applications

Simplest organ-organ cross-talk



Akura™ Twin

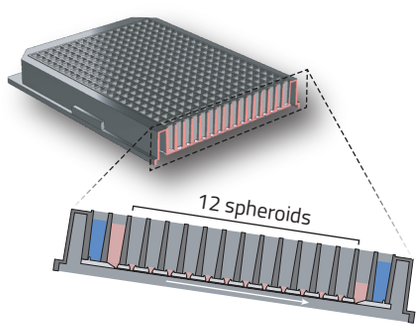


- Screen 1-to-1 spheroid crosstalk
- Add immune cells

Off-target effects of immune therapies
Cytokine/chemokine signaling
Immune cell migration and invasion

Most scalable multi-organ system

Akura™ Flow 384

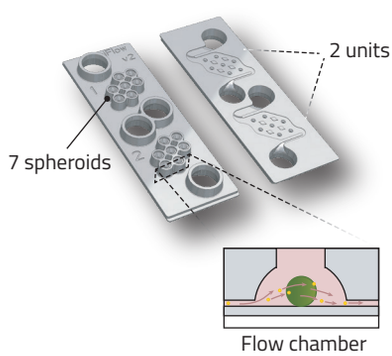


- Study multi-spheroid crosstalk
- Active perfusion and effect of flow

Metabolic syndrome modeling
Metabolite toxicity
Prodrug activation
Signaling between healthy and diseased tissue

Long-term immune cell perfusion

Akura™ Immune Flow



- Study immune cell / tissue interaction under active flow conditions

Flow effect on immune cells
Immune cell / 3D tissue interaction
Metastatic cell invasion

Program Deliverables

An accepted project proposal will receive:

- FREE Akura™ Next-Generation Starter Kit
- FREE All-in-one Akura™ Flow tilting device for gravity-based perfusion control for the time of the project (6-12 months)
- Comprehensive in-house training for your research team, including consultation on experimental design if desired
- Access to highly discounted InSphero assay-ready microtissues
- Travel grants to present your work at scientific meetings (€500 for poster presentation; €1000 for oral presentation)
- An academic license to use the technology with potential to work with InSphero to commercialize applications of value to industry