BIOTECH IN DROPLETS, FOR EVERY LAB!

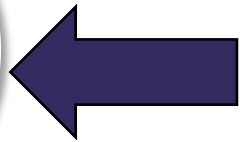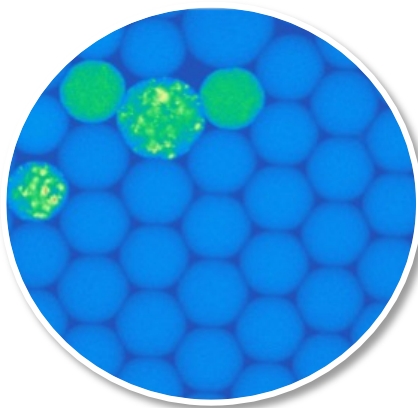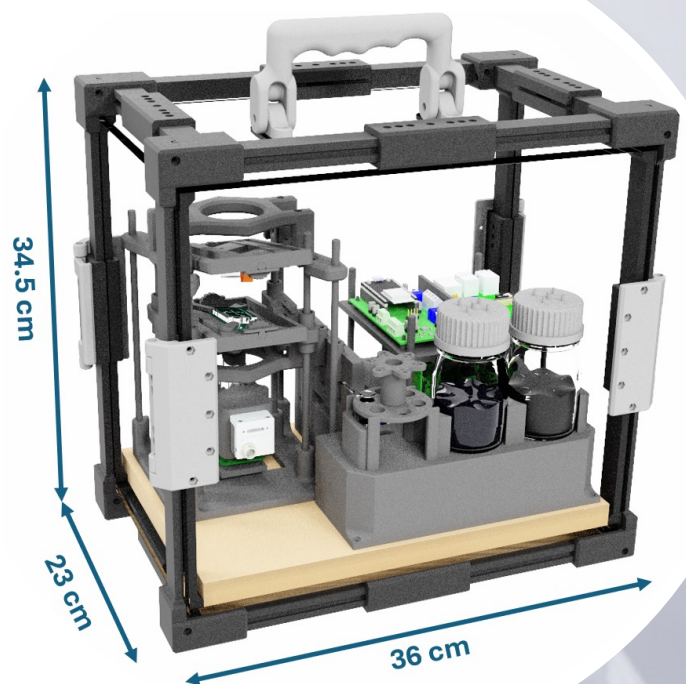Use ~~the Force~~ droplets, Luke!

Strain engineering of yeast in biomanufacturing currently automated with pipetting robots and plate assays

🫤 Throughput limited to 1-2k samples
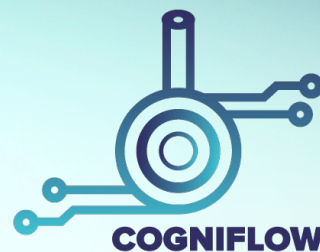🫤 ~$0.1-0.5/sample
🫤 No inline integration

Enter CogniFlow®:

🙂 10x less power

🙂 Unlimited samples

🙂 3-5x less instrument cost, 10-100x less reagent cost

🙂 3-6x faster than pipetting

🙂 Inline automation

Please turn page…

34.5 cm

23 cm

36 cm

CogniFlow OÜ
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Reg: (under registration)

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About CogniFlow®

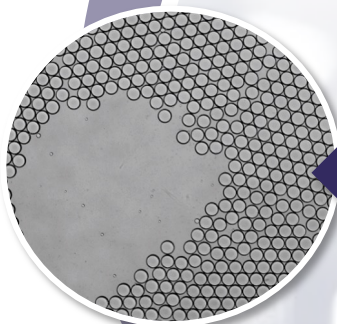CogniFlow is a TalTech deep tech spin-off in the process of foundation. Our young team aims to bring down the entry barrier to biotech automation by providing affordable, modular instrumentation and services to implement & test droplet automation of your biotech workflows!
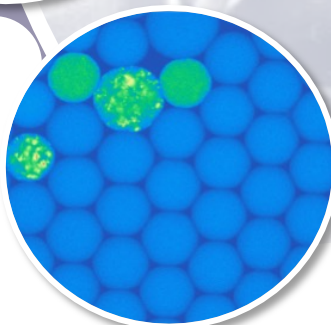
BIOTECH IN DROPLETS, FOR EVERY LAB!

1. Encapsulate!

Each droplet is like a tiny test tube. Yeast + reagents.

Upstream processes

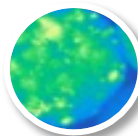## 2. Incubate!

Incubate droplets overnight to grow colonies. Colonies emit fluorescence.

3. Sort!

Sort out droplets with highest fluorescent intensity. These have the most productive cells.

Downstream proc.

Excitation   Pump   Sorting

Compute   Sensing   µf. chip

Software   Fluidics   Power

Customize!

CogniFlow® is a modular platform that can be configured to your workflow