## Απο τον πάγκο του εργαστηρίου στον χώρο των επιχειρήσεων

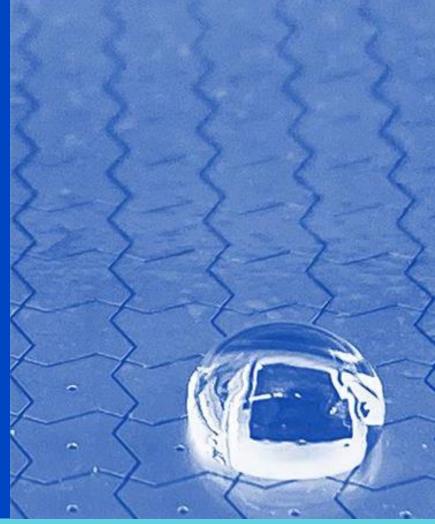
Φαίη Χριστοδούλου, PhD Επικεφαλής Επιστημονική Υπεύθυνος, Miroculus

6 Οκτωβρίου, 2022

#### $\bullet \bullet \bullet$

## **Introducing Miroculus**

- Founded in 2015
- Headquartered in San Francisco
- Launched Miro Canvas Product in March 2022
- Broad IP portfolio: 40+ patent applications
  (8 issued)



MIROCULUS

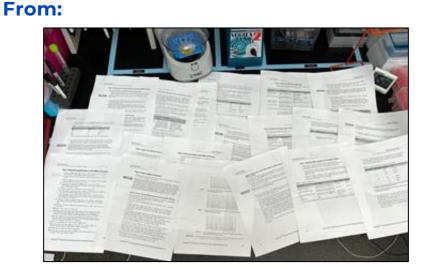
## Miro Canvas System

 $\bullet \bullet \bullet$ 



#### $\bullet \bullet \bullet$

#### **Miro Canvas** From lengthy protocols to load and go automation



#### To: м Open the instrument lid 2 N pulate the Cartridge A Bangers 1. Read Tree · Lipstics builts HIRO CANTRIDGE a stational 1.344.00 . ...... M Are you sure you want to start this experiment? Once you start, you'll be unable to go back. CANCEL

#### MIROCULUS

## A Programmable Platform For Lab Automation

Close the lost list

Translate the Cartril

1000.00

Load

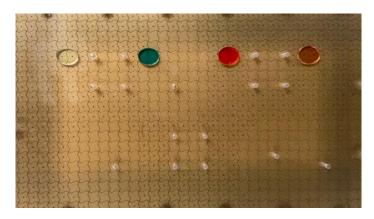
#### Design

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action modules V action module	action modules v action module				
uconts v		TTION MODULES V	Drop here to create a new action module		
		EAGENTS ~			
		0:00:00			

Intuitive Software for programming biology powered by AI - Drag and drop 4 canonical actions Regent agnostic and a universal cartridge.

M Are you sure you want to

#### Come back when ready



Core technology protected by over 40 patent applications with 8 issued already

#### "Set it and forget it" - The Broad Institute

Confidential

## 

### Nanopore sequencing of pathogens in the field Portability allows in situ library preparation and sequencing





Richard Leggett @richardmleggett - 23h Here's the pics of us using the @Miroculus Miro Canvas for in-field (or in-afield) @nanopore sample processing which we just showed at the Science Simplified event.



#### Miroculus @Miroculus - 24 mar.

Dr. Darren Heavens (Earlham Inst.) showing photo of Miro Canvas, with a battery and solar panel, doing library prep and #nanopore sequencing out out in the field!

## **Rady Children's Hospital**

Rapid Whole Genome Sequencing for diagnosis of critically ill infants



Hands-On Time: 120 minutes Total TAT: 150-180 minutes

October 3, 2022

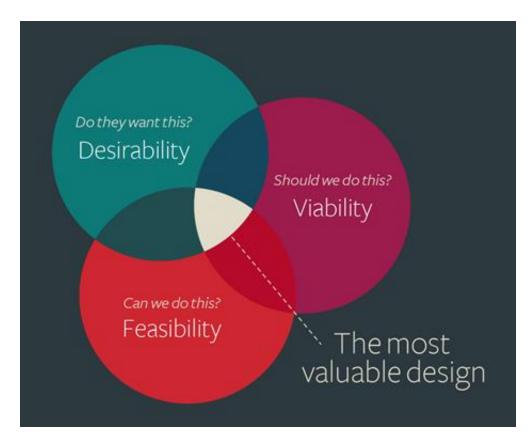
BeginNGS Greece to Be First International Site







Singularity University's Graduate Studies Program empowers participants with the tools, knowledge and skills for positively impacting billions of people.



## Νοέμβριος 2013, Αθήνα, Santiago de Chile, Mexico city



## Μάρτιος 2015, San Francisco



www.kathimerini.gr/994196/article/epikairothta/ellada/ellhnes-foithtes-katekthsan-xalkino-metallic

#### EMALA 08.11.2018

## Ελληνες φοιτητές κατέκτησαν χάλκινο μετάλλιο στον Παγκόσμιο Διαγωνισμό Συνθετικής Βιολογίας iGEM2018



Μια ομάδα εννέα Ελλήνων προπτυχιακών φοιτητών κατέκτησε χάλκινο μετάλλιο στον Παγκόσμιο Διαγωνισμό Συνθετικής Βιολογίας iGEM 2018, που πραγματοποιήθηκε στη Βοστώνη των ΗΠΑ, σχεδιάζοντας ένα διαγνωστικό τεστ για την ανίχνευση του ιού MERS-CoV.



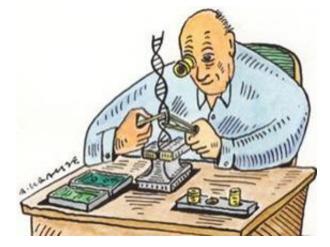
ΔΙΑΒΑΣΤΕ ΕΠΙΣΗΣ

Εκτακτη κατάσταση για τρίτο χειμώνα στους καταυλισμούς

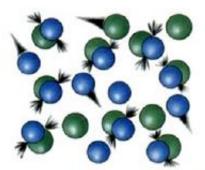
ΤΑΝΙΑ ΓΕΩΡΓΙΟΠΟΥΛΟΥ

#### Το δωρεάν φαγητό ως κίνητρο σε πολλές επιχειρήσεις

PRIVA KRISHNA / THE NEW YORK TIMES







Low concentration = Few collisions

High concentration = More collisions

The U.S. Bioeconomy: Charting a Course for a Resilient and Competitive Future A Bioeconomy Strategy

A future global bioeconomy will be worth somewhere between \$4 trillion and \$30 trillion dollars. However, concerted action and a national strategy is imperative to ensure the U.S. does not miss out on this historic opportunity to expand the domestic bioeconomy

A well-developed bioeconomy will reduce the nation's dependence on fossil fuels, revitalize U.S. manufacturing and employment, create a more resilient supply chain, address concerns regarding national competitiveness and national security, improve the nation's health and the environment, and contribute significantly to the goal of creating a net-zero carbon economy.



BRIEFING ROOM

## Executive Order on Advancing Biotechnology and Biomanufacturing Innovation for a Sustainable, Safe, and Secure American Bioeconomy

SEPTEMBER 12, 2022 • PRESIDENTIAL ACTIONS

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered as follows:

Section 1. Policy. It is the policy of my Administration to coordinate a



# Σας ευχαριστώ

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MIROCULUS