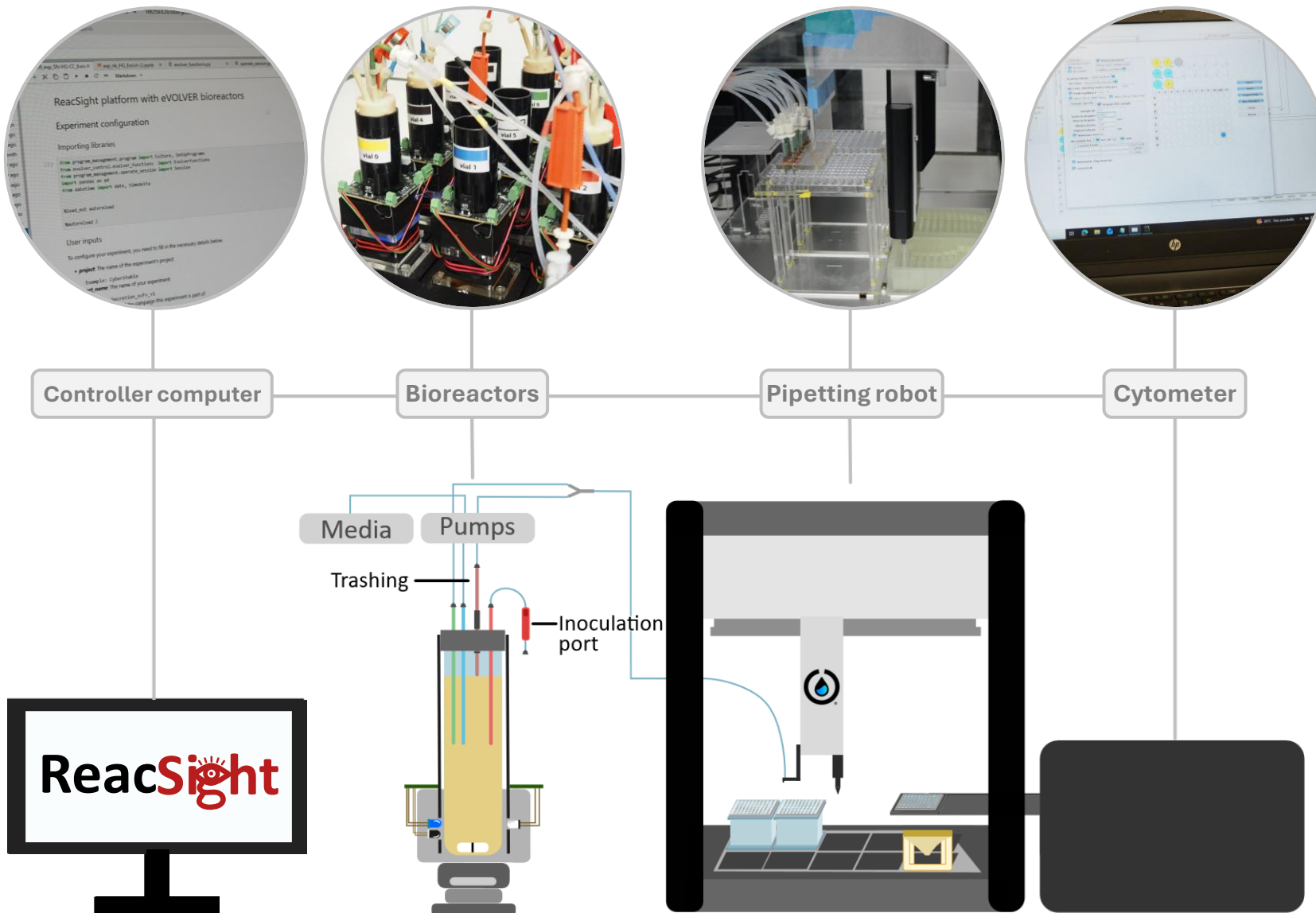




A ReacSight platform for characterizing genetic instability in synthetic biology

Cecilia Capela, Sara Napolitano, Gregory Batt

AFT
2026



- 1 Constant cell density
- 2 Automated sampling
- 3 Optogenetic induction
- 4 Real-time control

	Manual	ReacSight
Sampling	Working hours	Continuous
Frequency	8 / day	24 / day
Intervention	2-4 h / day	15 min / day
Duration	Working week	Weeks
Overnight	No	Yes
Weekends	Limited	Yes
Failures	Human	Hardware