



Zebra Fish For Screening

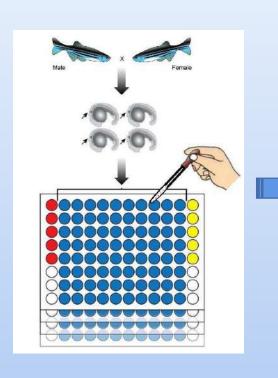






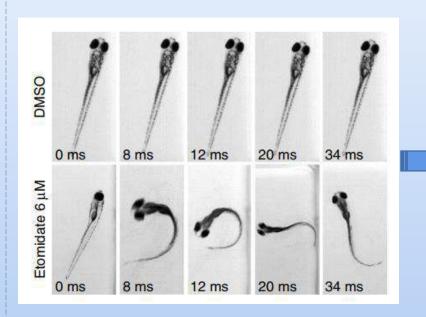
Disadvantages





Problem to be solved

- 1. Transfer
- 2. Immobilization
- 3. Directional control
- 4. Time-consuming and labor-intensive

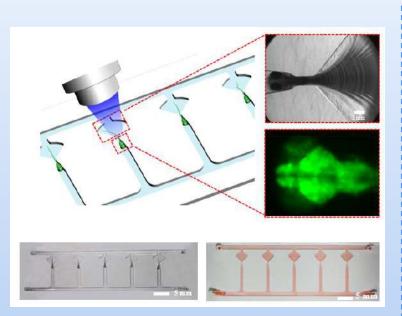


Problem to be solved

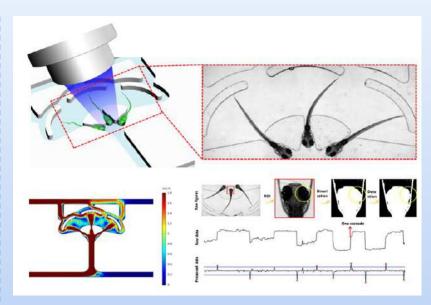
- 1. Single evaluation
- 2. Single performance
- 3. Blind screening

High-throughput Screening Platform - Microfluidic Chips

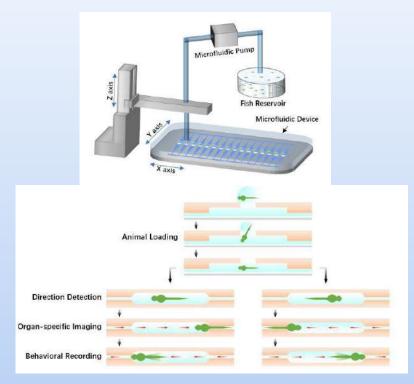




Microfluidic zebrafish chip



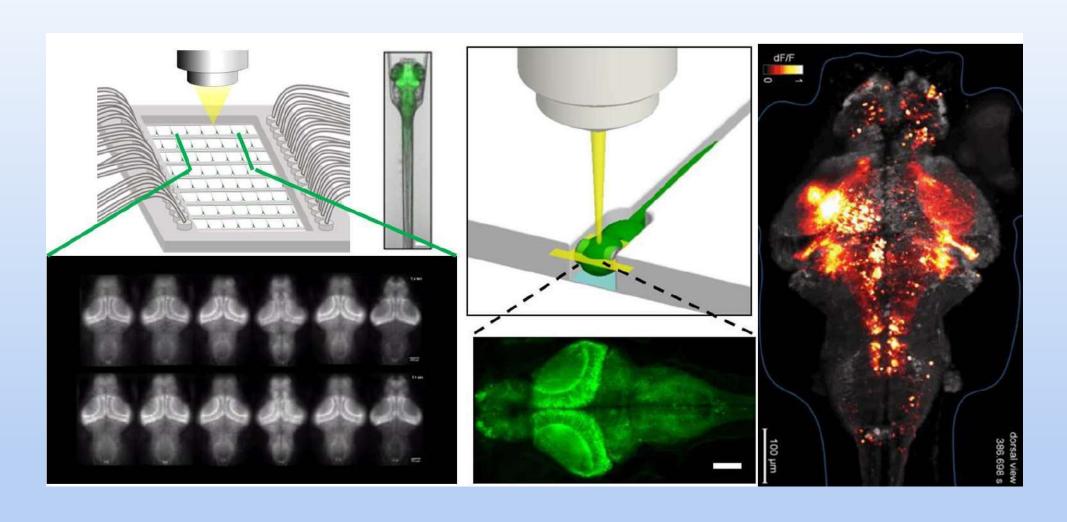
Ultra high throughput microfluidic zebrafish chip



Robotic arm automatic fish loading system

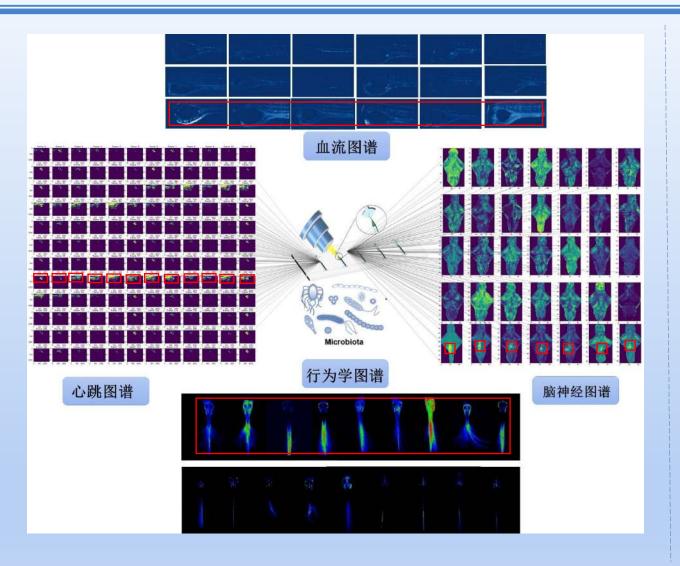
High-throughput Screening Platform - Data Collection System

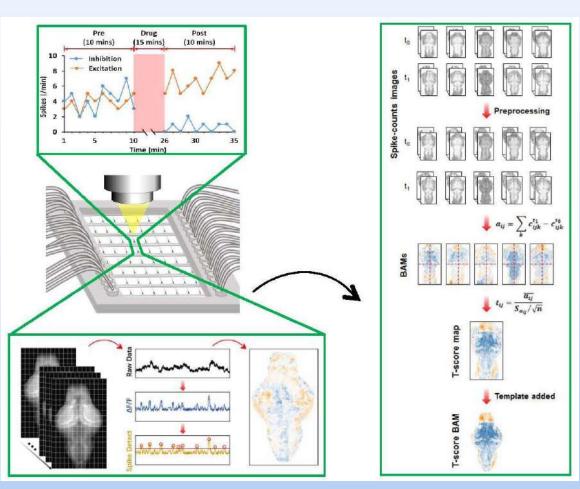




Machine Learning Algorithms

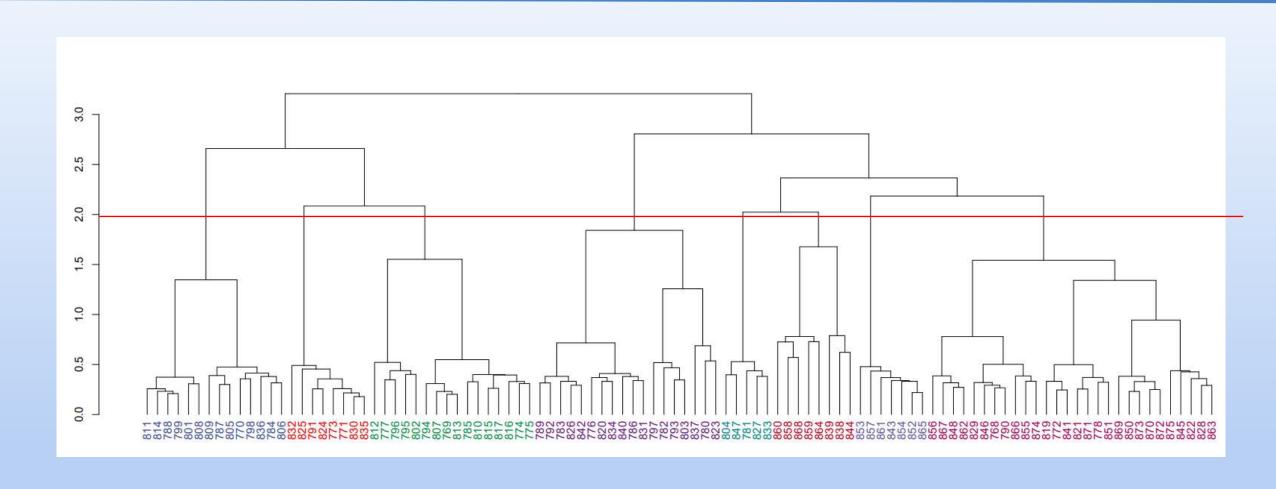






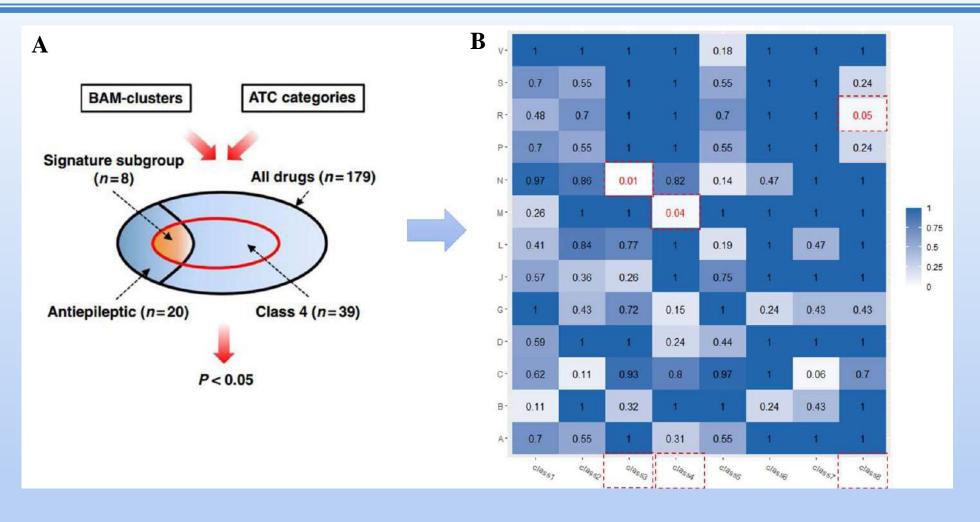
Reference Database Drug Clustering Analysis





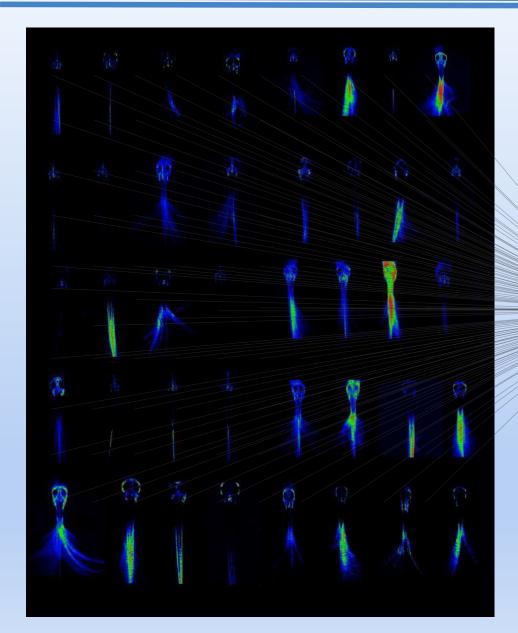
Functional Association with Clusters

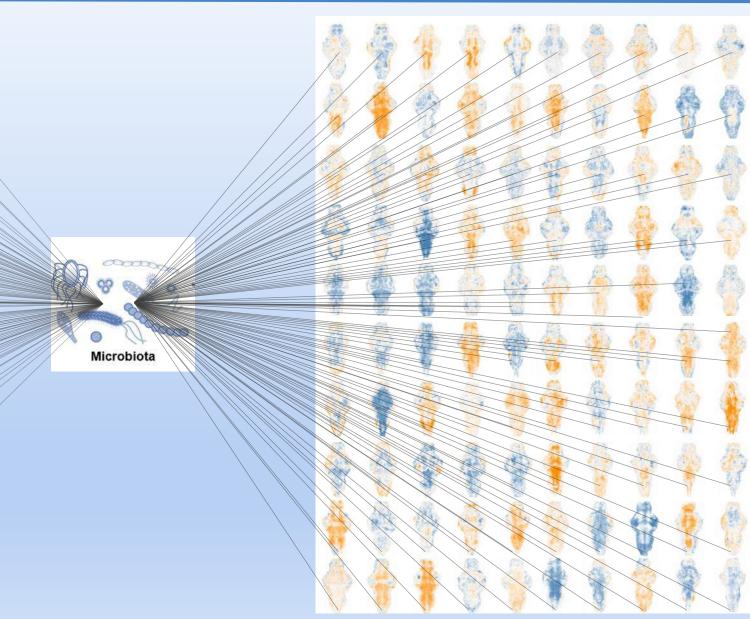




Non-modeled High-throughput Intelligent Screening







Mechanism Interpretation



a			b	C	d
Rank	Name	Targets	A STATE OF THE STA	Y	ATTEN THE
2	SB-216763	GSK3 inhibitor	~ P	Noto	
3	Pikamilone	GABA modulator	HN ONH		
5	Gaboxadol	GABA modulator		NH ₂	HO
6	AR-A014418	GSK3 inhibitor	Gaboxadol	GYKI-52466	Tubastatin A
8	Tubastatin A	HDAC inhibitor		2002 1802 PA 640	(%)
9	TWS119	GSK3 inhibitor		STY S	VN+
11	GYKI-52466	AMPA modulator	In a not have	HN N=	
13	CI-994	HDAC inhibitor	U N N OH		
14	ING-135	GSK3 inhibitor	NNC-711	GYKI-53655	NH ₂ — CI-994
16	GYKI-53655	AMPA modulator	6 Kg	G 1 KI-33033	01-334
21	NNC-711	GABA modulator		OH	and the second s
25	Fanapanel	AMPA modulator		OH	- Qiio
26	YC-5-169	HDAC inhibitor	N OH	F NO	0-12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
29	SKF-89976A	GABA modulator	SKF-89976A	Fanapanel	YC-5-169

Lactobacillus Paracasei R3 Alleviates Colitis



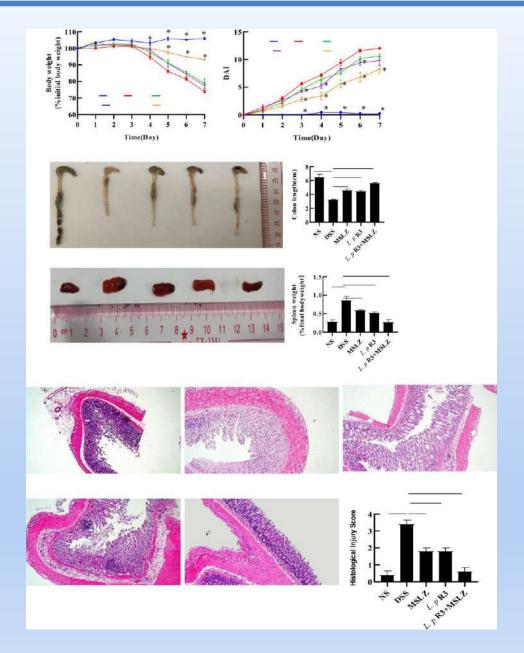
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Lactobacillus paracasei R3 protects against dextran sulfate sodium (DSS)-induced colitis in mice via regulating Th17/Treg cell balance

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Platform Research Achievements



