

## Director

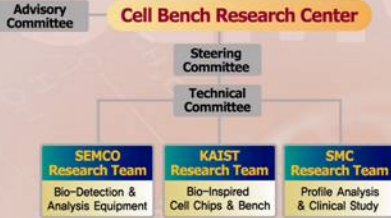


The Director, Young-Ho CHO, received the Ph.D. degree from the University of California at Berkeley (UCB). Previously he was with Berkeley Sensor and Actuator Center (BSAC) at UCB. In August 1991, Dr. Cho moved to KAIST, where he is currently a Professor in the Department of Bio and Brain Engineering and the Department of Mechanical Engineering. Dr. Cho has served for international technical society as the General Co-Chair of IEEE MEMS-2003 Conference, the International Steering Committee of Power MEMS Conference, and the Chairman of World Micromachine Summit 2008.

## Location



## Organization



## Research Manpower

	KAIST	SMC	SEMCO	Total
Professor	6	5	0	11
Ph.D.	0	4	3	7
M.S.	3	5	0	8
B.S.	3	0	0	3
<b>Total</b>	<b>12</b>	<b>14</b>	<b>3</b>	<b>29</b>

## Contact



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# SEMCELL

## Cell Bench Research Center

SEMCO • KAIST • SMC



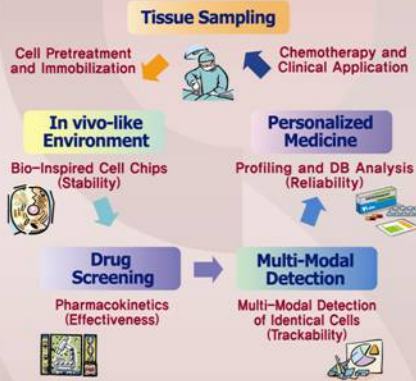
<http://mems.kaist.ac.kr/>



## Research Objectives

High-throughput and high-reliability bio-inspired cell bench for personalized anti-cancer drug screening and optimized solid tumor chemotherapy

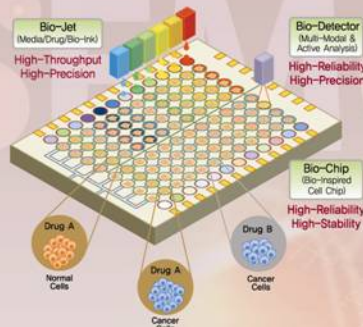
## Screening Process



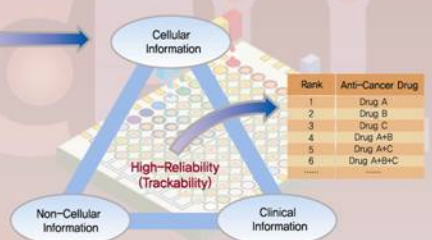
## Technology Strategy

Technology	Phase I			Phase II
	Year I	Year II	Year III	Year IV, V
Material	Bio-Probe	Bio-Ink	Bio-Ceramic Bio-Plastic	Bio-Material
Device	Bio-Fluidics	Bio-Chip Bio-Jet	Bio-Detector	Bio-Device
Equipment	Bio-Image	Bio-Reader	Bio-Processor Bio-Stage	Bio-Bench

## Bio-Inspired Cell Chips and Benches



## Personalized Anti-Cancer Drug Screening



## Technology Network

