

A plug-and-play, drug-on-pillar platform for combination drug screening implemented by microfluidic adaptive printing

Jiannan Li^{1, §}, Wen Tan^{1,3, §}, Wenwu Xiao², Randy P. Carney², Yongfan Men^{1,4}, Yuanpei Li², Gerald Quon⁵, Yousif Ajena², Kit S. Lam^{2*}, and Tingrui Pan^{1,4*}

1. Micro-Nano Innovations (MiNI) Laboratory, Department of Biomedical Engineering, Department of Electrical and Computer Engineering, University of California, Davis, California, USA, 95616

2. Department of Biochemistry and Molecular Medicine, School of Medicine, UC Davis NCI-designated Comprehensive Cancer Center, University of California Davis, Sacramento, California, USA, 95817

3. School of Pharmacy, Lanzhou University, Lanzhou, Gansu province, China, 730000

4. Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen, Guangdong, China, 518055

5. Department of Molecular and Cellular Biology, University of California, Davis, California, USA, 95616

*To whom correspondence should be addressed. Phone: +1 916-7340910; +1 530-7549508. E-mail: kslam@ucdavis.edu; tingrui@ucdavis.edu

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Supporting Information

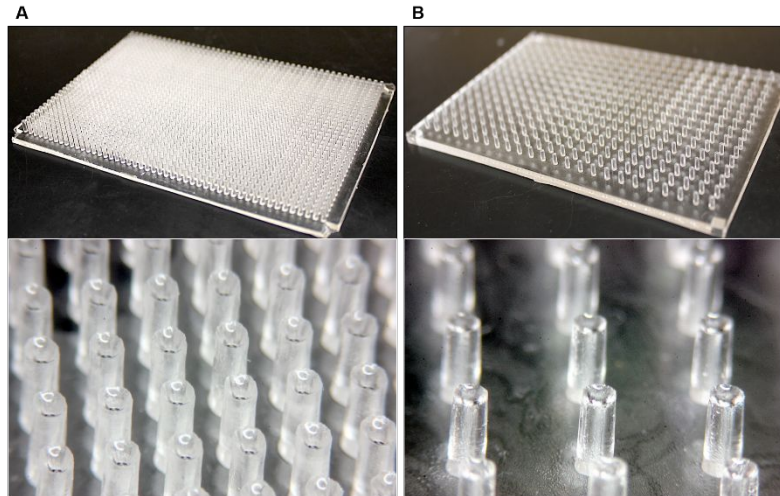


Figure S1. Pictures of pillar arrays with different sizes: A, 1536-scale and B, 384-scale array.

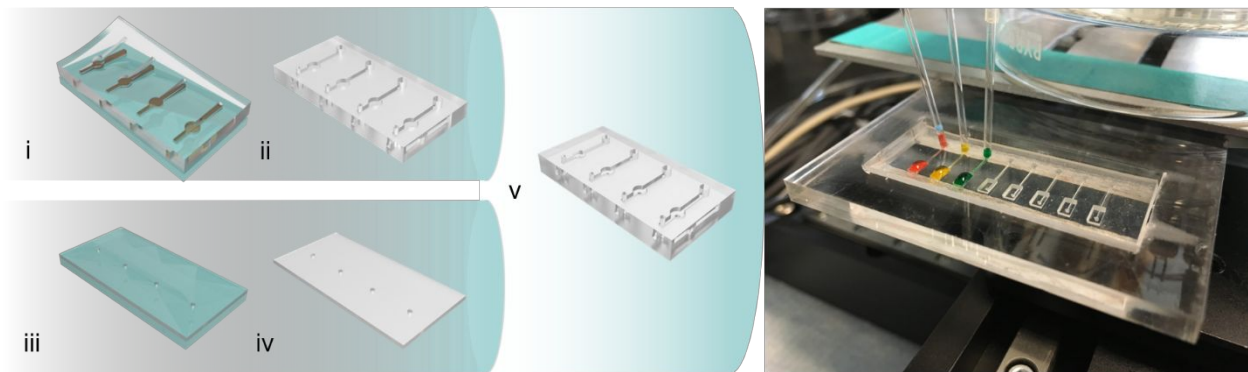


Figure S2. Microfluidic cartridge fabrication process and demonstration. i, cast liquid PDMS on a SU-8 mold and peel off; ii, resulted top layer structure; iii, spin coating bottom layer and laser cut nozzles; iv, resulted bottom layer structure; v, bonding of top and bottom layer and resulted cartridge as a whole piece.

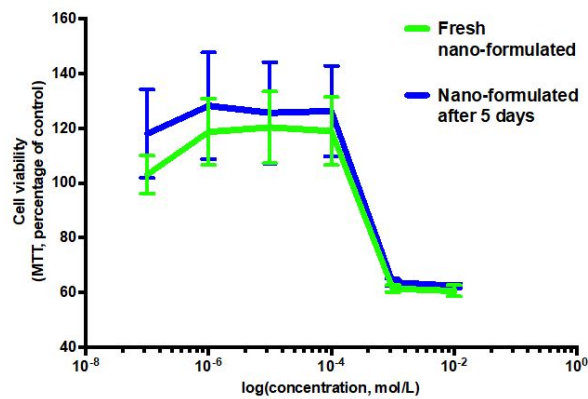


Figure S3. Nano formulated doxorubicin long term stability verification.

Supporting Information

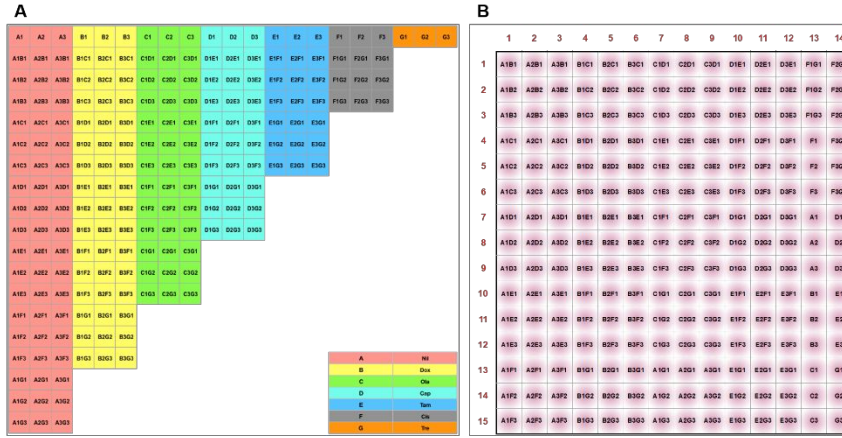


Figure S4. Drug library design strategy: A, original drug pair design; B, fitting the design to a 14 by 15 array.

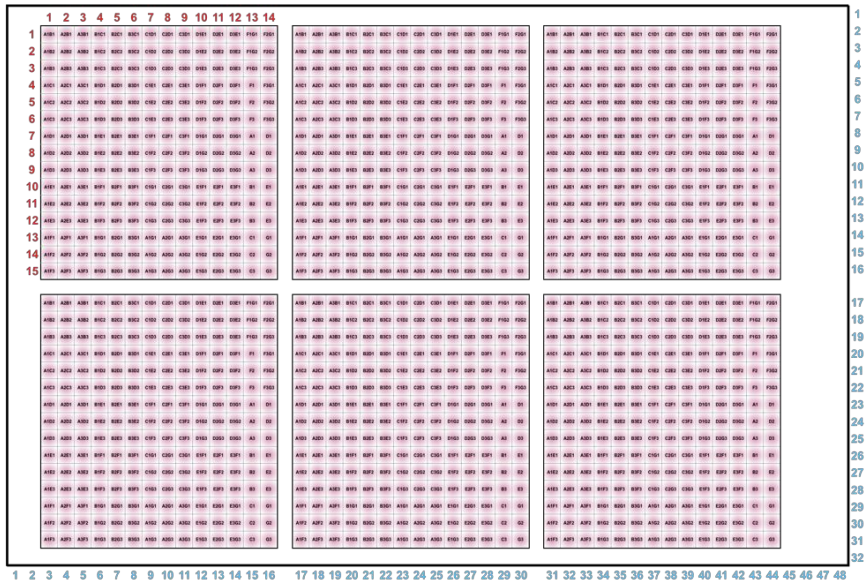


Figure S5. Drug library layout in a 1536 well plate.