

Research Publications with Rainmaker Technology

High Density Diffusion-Free Nanowell Arrays (featured on cover)

Bharath R. Takulapalli, Ji Qiu, D. Mitchell Magee, Peter Kahn, Al Brunner, Kristi Barker, Steven Means, Shane Miersch, Xiaofang Bian, Alex Mendoza, Fernanda Festa, Karan Syal, Jin G. Park, Joshua LaBaer, and Peter Wiktor Journal of Proteome Research 2012 11 (8), 4382-4391

DOI: 10.1021/pr300467q (2013)

Antiviral Antibody Profiling by High-density Protein Arrays

Bian, X., Wiktor, P., Kahn, P., Brunner, A., Khela, A., Karthikeyan, K., Barker, K., Yu, X., Magee, M., Wasserfall, C. H., Gibson, D., Rooney, M. E., Qiu, J. and LaBaer, J., Proteomics, 15: 2136–2145. doi: 10.1002/pmic.201400612 (2015)

Microreactor Array Device

Peter Wiktor, Al Brunner, Peter Kahn, Ji Qiu, Mitch Magee, Xiaofang Bian, Kailash Karthikeyan and Joshua LaBaer Scientific Reports 5, Article number: 8736 doi:10.1038/srep08736 (2015)

A Contra Capture Protein Array Platform for Studying Post-translationally Modified (PTM) Auto-antigenomes.

Karthikeyan K, Barker K, Tang Y, Kahn P, Wiktor P, Brunner A, Knabben V, Takulapalli B, Buckner J, Nepom G, LaBaer J, Qiu J.

Mol Cell Proteomics. 2016 Jul;15(7):2324-37. doi: 10.1074/mcp.M115.057661. (2016)

A new method for vitrifying samples for cryoEM.

Razinkov I, Dandey VP, Wei H, Zhang Z, Melnekoff D, Rice WJ, Wigge C, Potter CS, Carragher B. J Struct Biol. 195(2):190-198. (2016)

ABH-glycan microarray characterizes ABO subtype antibodies: fine specificity of immune tolerance after ABO-incompatible transplantation

Mylvaganam Jeyakanthan, .. Lori J. West American Journal of Transplantation doi: 10.1111/ajt.13625 (2015, Accepted in advance of publication).

Nanoprobe NAPPA Arrays for the Nanoconductimetric Analysis of Ultra-Low-Volume

Protein Samples Using Piezoelectric Liquid Dispensing Technology

Eugenia Pechkova, Peter Wiktor, Nicola Bragazzi, Fernanda Festa, Claudio Nicolini
NanoWorld Journal 04/2015; 1(1):26-31. DOI: 10.17756/nwj.2015-004

Measurement of Small Molecule Binding Kinetics on a Protein Microarray by Plasmonic-Based Electrochemical Impedance Imaging

Wenbin Liang, S Wang, F Festa, P Wiktor, W Wang, M Magee, J LaBaer, Nongjian Tao
Analytical Chemistry 08/2014; 86(19). DOI:10.1021/ac5024556

Spotiton: A prototype for an integrated inkjet dispense and vitrification system for cryoTEM

Tilak Jain, Patrick Sheehan, John Crum, Bridget Carragher, Clinton S. Potter
Journal of Structural Biology, Volume 179, Issue 1, (2012)

In situ electroporation of surface-bound siRNAs in microwell arrays

Tilak Jain, Adrian Papas, Amol Jadhav, Ryan McBride and Enrique Saez
Lab Chip, 2012, 12, 939

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