

Publication

Su, J., Beh, C.W., Ohmuro-Matsuyama, Y., Kitaguchi, T., Hoon, S.S., Ueda, H., (2019) Higher stability and analytical performance of the immunodetection system based on mutant β -glucuronidase, *Journal of Bioscience and Bioengineering* (Accepted)

Beh, C.W., Zhang, Y, Zheng, Y.L., Sun, B., Wang, T.H., (2018) Fluorescence spectroscopic detection and measurement of single telomere molecules, *Nucleic Acids Research* 46 (19), e117-e117

Beh, C.W., Pan, D., Lee, J., Jiang, X., Liu, K.J., Mao, H.Q., Wang, T.H., (2014) Direct interrogation of DNA content distribution in nanoparticles by a novel microfluidics-based single-particle analysis. *Nano letters* 14 (8), 4729-4735

Beh, C.W., Zhou, W., Wang, T.H., (2012) PDMS–glass bonding using grafted polymeric adhesive–alternative process flow for compatibility with patterned biological molecules. *Lab on a Chip*, 12(20) 4120-4127.

Beh, C.W., Seow, W.Y., Wang, Y., Zhang, Y., Ong, Z.Y., Ee, P.L.R., Yang, Y.Y. (2008) Efficient delivery of Bcl-2-targeted siRNA using cationic polymer nanoparticles: downregulating mRNA expression level and sensitizing cancer cells to anticancer drug. *Biomacromolecules* 10(1) 41-48

Feng, X., Ang, Y.L., He, J., Beh C.W., Xu, H., Chin, W.S., Ji, W. (2008) Three-photon absorption in semiconductor quantum dots. *Optics Express* 16 (10), 6999-7005

He, J., Scholes, G.D., Ang, Y.L, Ji, W., Beh, C.W., Chin, W.S., (2008) Direct observation of three-photon resonance in water-soluble ZnS quantum dots. *Applied Physics Letters* 92 (13), 131114

Wang, Y., Ke, C.Y., Beh, C.W., Liu, S.Q., Goh, S.H., Yang, Y.Y., (2007) The self-assembly of biodegradable cationic polymer micelles as vectors for gene transfection. *Biomaterials* 28 (35), 5358-5368

Patent:

1. Beh, C.W., Seow, Y., Chin, S.Y. PCT Patent Application No. PCT/SG208/050165 “Liquid support continuous 3D printer”

2. Beh, C.W. Kraitchman, D. L. Mao, H. Q. Wang, T. H. WO2012047802 A3 “Systems and methods for high-throughput microfluidic bead production”

3. Beh, C.W. IPOS Application Number 10201602557S “A portable handheld assay for acrylamide detection”

4. Seow, Y., Beh C.W., IPOS Application Number 10201608846Y “Cell loading via filtration”

5. Seow, Y., Beh C.W., US Patent Application Number 16/343,503 “Device, System and Method for Intracellular Delivery of Substances”