BIOGRAPHICAL SKETCH

NAME in English **Ji-Dung Luo** NAME in Chinese **駱紀東**	POSITION TITLE Postdoctoral Research Fellow, Bioinformatics Core Laboratory, Molecular Medicine Research Center

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
Dept. of Biotechnology and Laboratory Science, Chang Gung University, Taiwan	B.S.	08/02	Medical Technology, Laboratory Science
Graduate Institute of Biotechnology, Chang Gung University, Taiwan	M.S.	08/08	Medical technology, Molecular diagnosis
Graduate Institute of Biomedical Sciences, Division of Biotechnology, Chang Gung University, Taiwan	Ph.D.	08/16	Bioinformatics, Oncology, Biosensor

A. Positions and Honors

Positions and Employment

2016/09 ~ Postdoctoral Research Fellow, Bioinformatics Core Laboratory, Molecular Medicine Research Center, Chang Gung University, Taiwan

Other Experience and Professional Memberships

Editor & Refereeing

.

B. Selected Peer-reviewed Publications (2012-2017) (in chronological order)

Referred papers (*first/equal contribution or corresponding author)

1. Chen TW, Lee CC, Luo JD, and Chang YS et al (2017). APOBEC3A is an oral cancer prognostic biomarker in Taiwanese carriers of an APOBEC deletion polymorphism. Nature Communication, 8(1):465
2. Luo JD, Chang YJ, Chang CM, You JF, Wei PL, and Chiou CC(2016). GeneGazer: A toolkit integrating two pipelines for personalized profiling and biosignature identification. Cancer Genomics and Proteomics, 13:141.
3. Shih CL, Luo JD, Chang JWC, Chen TL, Chien YT, Yu CJ, and Chiou CC (2015). Circulating Messenger RNA Profiling with Microarray and Next-generation Sequencing: Cross-platform Comparison. Cancer Genomics and Proteomics, 12:223
4. Lin YT, Purwidyantri A, Luo JD, Chiou CC, Yang CM, Lo CH, Hwang TL, Yen TH, and Lai CS (2015). Programming a Nonvolatile Memory-like Sensor for KRAS Gene Sensing and Signal Enhancement. Biosensors & Bioelectronics, 79.
5. Purwidyantri A, Chen CH, Hwang BJ, Luo JD, Chiou CC, Tian YC, Lin CY, Cheng CH, and Lai CS (2015). Spin-coated Au-nanohole arrays engineered by Nanosphere Lithography for a Staphylococcus aureus 16S rRNA Electrochemical Sensor. Biosensors & Bioelectronics, 77:1086-1094.

6. Purwidyantri A, Lai HC, Tsai SH, Luo JD, Chiou CC, Tian YC, Cheng CH, Lin YT, and Lai CS (2014). Sensing performance of fibronectin-functionalized Au-EGFET on the detection of S. epidermidis biofilm and 16S rRNA of infection-related bacteria in peritoneal dialysis. Sensors and Actuators B Chemical, 217.
7. Li YC, Chiou CC, Luo JD, Chen WJ, Su LC, Chang YF, Chang YS, Lai CS, Lee CC, and Chou C (2014). Sensitive detection of unlabeled oligonucleotides using a paired surface plasma waves biosensor. Biosensors & Bioelectronics, 35(1):342-8.
8. Lin YT, Luo JD, Chiou CC, Yang CM, Wang CY, Chou C, and Lai CS (2013). Detection of KRAS mutation by combination of polymerase chain reaction (PCR) and EIS sensor with new amino group functionalization. Sensors and Actuators B Chemical, 186:374-379.
9. Lin YH, Wang SH, Wu MH, Pan TM, Lai CS, Luo JD, and Chiou CC (2013). Integrating solid-state sensor and microfluidic devices for glucose, Urea and creatinine detection based on enzyme-carrying alginate microbeads. Biosensors & Bioelectronics, 43C(1):328-335.

Book chapters

1. Luo JD, Wang MC, Huang CC, Chiou CC, and Tseng CP (2017). Chapter 4: The Applications of High-Throughput Sequencing in Molecular Diagnosis, Textbook of Molecular Diagnosis in Medicine. Wunan Press.

C. Research Support

Ongoing Research Support

Completed Research Support (2006-2010)