

Data Scientist / Bioinformatician

Personal Website / GitHub anniepyim.github.io



Education

Experience

2011-09 - 2013-08 **Research Assistant**
Hong Kong **Faculty of Medicine, The Chinese University of Hong Kong**

- Gained expertise in molecular biology and imaging techniques through experimental research
- Designed and conducted multiple experimental, animal and territory-wide clinical research projects
- Performed statistical analysis on experimental and clinical research data

- Data Analysis with R
- Scientific Writing

Skills

Distributed System
(Hadoop, Spark)

Beginner

Languages

German

Intermediate (B1/B2)

Publications

MitoXplorer - A Visualization Approach to Investigate Mitochondrial Functions in Aneuploidy Cells with RNA-seq Data

Yim, A. P.; Koti, P.; Dürbaum, M. et al. (Manuscript in preparation)

Hypermethylation of gene body CpG islands predicts high dosage of functional oncogenes in liver cancer

Arechederra, M.; Daian, F.; **Yim, A. P.** et al. Nature Commun. (Publication in process)

Integrative analysis and machine learning on cancer genomics data using the Cancer Systems Biology Database (CancerSysDB)

Krempel, R.; Kulkarni, P.; **Yim, A. P.** et al. BMC Bioinformatics. 2018; 19 (1): pp.156

Abnormal Skeletal Growth in Adolescent Idiopathic Scoliosis Is Associated with Abnormal Quantitative Expression of Melatonin Receptor, MT2

Yim, A. P.; Yeung, H. Y.; Sun, G. et al. Int J Mol Sci. 2013; 14 (3): pp.6345-58

Abnormal skeletal growth patterns in adolescent idiopathic scoliosis-a longitudinal study until skeletal maturity

Yim, A. P.; Yeung, H. Y.; Hung, V. W. et al. Spine (Phila Pa 1976). 2012; 37 (18): pp.E1148-54

Conferences

2018-01 16th Asia Pacific Bioinformatics Conference

Yokohama, Japan Poster Presentation

Defective Electron Transport Chain Complex in Aneuploidy Cells - Exploring Mitochondrial Functions with RNA-seq Data Using the MitoXplorer web-platform

2017-07 16th European Conference on Computational Biology

Prague, Czech Poster Presentation

Role of Mitochondria in the Occurrence of Cancer - A Visualisation Approach

2016-11 9th INTERACT Life Science Symposium

Munich, Germany Poster Presentation

Visualising Expression Data of Mitochondrial Genes

Fellowships and Awards

Best Poster Award at 16th Asia Pacific Bioinformatics Conference, Yokohama, Japan (2018)

ERAMUS+ Internship Program for Higher Education Students, Marseille, France (2018)

PhD Program of International Max Planck Research School for Molecular Life Sciences, Munich, Germany (2014 - 2018)

Postgraduate Studentship from The Chinese University of Hong Kong, Hong Kong (2009 - 2011)

Activities

Organising Committee of the 10th INTERACT Life Science Symposium, Munich, Germany (2018)