CURRICULUM VITAE

Dr. Nelson Leung-sang TANG

MB.ChB., MD., FRCPA (Austr), FHKSCC.

Correspondence: Department of Chemical Pathology,
Faculty of Medicine,
The Chinese University of Hong Kong,
Shatin, Hong Kong SAR, China.
Email: nelsontang@cuhk.edu.hk

ACADEMIC DEGREES AND PROFESSIONAL QUALIFICATIONS

2002	Doctor of Medicine (CUHK)
2002	Fellow of the Hong Kong Society of Clinical Chemistry
1998	Accredited Clinical Biochemists (Hong Kong)
1997	FRCPA, Fellow of the Royal College of Pathologists of Australasia (FRCPA)
1991	MBChB, Bachelor of Medicine and Bachelor of Surgery, MB ChB (CUHK)

EMPLOYMENT HISTORY

2009 - now	Professor (Clinical)
2003 - 2009	Professor 2
2003 -2004	Visiting Scientist, University of Cambridge, United Kingdom
2002 -2003	Associate Professor
1996 - 2002	Lecturer in Department of Chemical Pathology
1992-1996	Medical Officer (in Department of Anatomical Pathology and Chemical Pathology, Prince of Wales Hospital)

KEY HONORARY AND ADJUNCT POSITIONS

Current	Executive Committee Member, Hong Kong Branch of CAS Center for Excellence in Animal Evolution and Genetics, School of Biomedical Sciences, The Chinese University of Hong Kong
Current	Principal Investigator, Laboratory for Genetics of Disease Susceptibility, Li Ka Shing Institute of Health Sciences, CUHK
Current	Trustee, The Board of Trustees of United College, CUHK
Current	Principal Investigator, Functional Genomics and Biostatistical Computing Laboratory, CUHK Shenzhen Research Institute, Shenzhen, China

Current	Course Coordinator of BMEG 5790 Bioinformatics in MSc Program in Biomedical Engineering
Current	Member, Preclinical Education Committee
Current	Member, Grant Review Board of Health and Medical Research Fund, Hong Kong SAR Government
Current	Primary Supervisor of post-graduate pathologist trainee, Training in Genetic Pathology for Royal College of Pathologists of Australasia (RCPA) at Prince of Wales Hospital
Current	Editorial Board of Journals: Pathology, Genes and Frontiers in Genetics
Current	Member, The Committee of Board Directors for Asian Society of Inherited Metabolic Diseases (ASIMD)
Current	Associate Director, KIZ / CUHK Joint Laboratory of Bioresources and Molecular Research in Common Diseases
2021	Grant Proposal Reviewer of 國家自然科學基金委員會
2018	Member, Working Group on Colorectal and Breast Cancer Screening for High Risk Groups, Centre for Health Protection, Department of Health, Hong Kong SAR Government
2016 - now	Adjunct Professor, School of Biomedical Sciences, CUHK
2009 - 2014	Scientific Editor, Catalogue of Genetic Tests and Laboratories, Royal College of Pathologists of Australasia
2009, 2013	Member, Manual Transformation Steering Committee, Royal College of Pathologists of Australasia
2009 –now	Associate Director, KIZ / CUHK Joint Laboratory of Bioresources and Molecular Research in Common Diseases
2008	Honorary Professor, 雲南省人口和計劃生育科學技術研究所
2007 -now	Principal Investigator, Laboratory for Genetics of Disease Susceptibility, Li Ka Shing Institute of Health Sciences, CUHK
2007	Honorary Professor, Xi'an Jiaotong University, Xi'an China.
2005 - 2012	Member, Advisory Committee of Genetics Pathology in the Royal College of Pathologists of Australasia (RCPA)
2005 - 2010	Panel Coordinator, Teaching Panel in Medical Curriculum: Mechanisms of Disease and Therapeutic Approaches
2006	Overseas Examiner, Genetics Pathology for the Royal College of Pathologists of Australasia (RCPA)

ROLES AND SERVICES IN UNITED COLLEGE

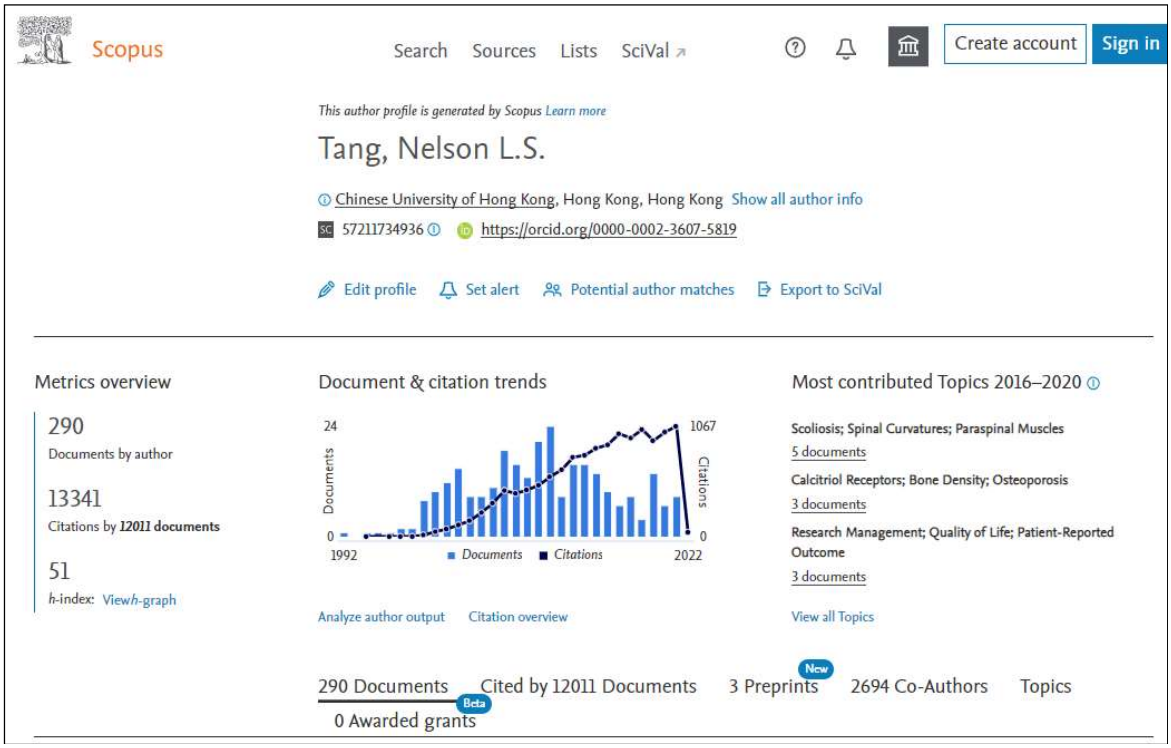
	Highlights of Services
2022	Member, College Fellow Nomination Committee
Since July 2020	Member, Health and Sports Working Group for the Celebration of the 65th Anniversary of United College Member, Banquet Committee for the Celebration of the 65th Anniversary of United College
2019-2020	College Assembly of Fellows Representative, University Senate
Since 2017	Trustee, College Board of Trustees
2015-2016	Mentor, United College Shum Choi Sang Mentorship Programme
Since 2014	Member, United College Cabinet
Since 2014	Chairperson, College Life Committee
2014-2016	United College Representative in Faculty of Medicine Board
2014	Tutor, United College Dr Thomas Cheung Tutorial Scheme - Personalized Tutorial (Preparation for Job Seeking - Research Counselling 求職準備 - 研究輔導)
2012 - 2013	Mentor, United College Shum Choi Sang Mentorship Programme
Since 2013	Member, Assembly of Fellows
Since 2006	Member, United College Committee of Alumni Affairs and Development
	Also participated in various activities and committees

	Hosting Visits of Distinguished Scholars to United College or CUHK
UC DVS*	Prof. R Chen 陳潤生院士 (中國科學院)
UC DVS*	Prof. Paul Pharoah (University of Cambridge)
UC DVS*	Prof. YT Chen 陳垣崇院士 (中央研究院)
Wei Lun Scholar, CUHK	Prof. Jenefer Blackwell (University of Cambridge)
UC DVS*	Prof. YP Zhang 張亞平院士 (中國科學院)
UC DVS*	Prof. Douglas Easton (University of Cambridge)

UC DVS* Nominator of these Scholars as Distinguished Visiting Scholar of United College

ACADEMIC SCHOLARSHIP

- ❖ My medical research has contributed to over 300 full publications.
- ❖ Total number of citations of my papers is over 11,000 times.
- ❖ I have been awarded over HK$15 million research grant.
- ❖ H-index : 51 (Scopus), 46 (Publons), 65 (Google Scholar)



In the area of my expertise, research in "Complex Traits", citation of my paper ranked among the top 10 authors worldwide as reported in the google scholar.

SELECTED PUBLICATIONS AMONG OVER 300 FULL PAPERS

Tang NLS, Dobbs MB, Gurnett CA, Qiu Y, Lam TP, Cheng JCY, Hadley-Miller N. A Decade in Review after Idiopathic Scoliosis Was First Called a Complex Trait-A Tribute to the Late Dr. Yves Cotrel for His Support in Studies of Etiology of Scoliosis. Genes (Basel). 2021 Jul 1;12(7):1033. doi: 10.3390/genes12071033. **(Impact factor = 3.7)**

Tang, N. L. S., & Hui, J. (2020). 20 Years After Discovery of the Causative Gene of Primary Carnitine Deficiency, How Much More Have We Known About the Disease? *HK J Paediatr (new series)*, 25:23-29.

Ji L, Wu D, Xie H, Yao B, Chen Y, Irwin DM, Huang D, Xu J, Tang NLS, Zhang Y. Ambient Temperature is A Strong Selective Factor Influencing Human Development and Immunity. Genomics Proteomics Bioinformatics. 2020 Oct;18(5):489-500. doi: 10.1016/j.gpb.2019.11.009. **(Impact factor = 7.7)**

Styrkarsdottir, U., Stefansson, O. A., Gunnarsdottir, K., et al. (2019). GWAS of bone size yields twelve loci that also affect height, BMD, osteoarthritis or fractures. *Nature Communications*, 10(1), 2054. https://doi.org/10.1038/s41467-019-09860-0 **(Impact factor = 14.9)**

Styrkarsdottir, U., Helgason, H., Sigurdsson, A., et al. (2017). Whole-genome sequencing identifies rare genotypes in COMP and CHADL associated with high risk of hip osteoarthritis. *Nature Genetics*, 49(5), 801–805. https://doi.org/10.1038/ng.3816 **(Impact factor = 33.3)**

Styrkarsdottir, U., Thorleifsson, G., Gudjonsson, S. A., et al. (2016). Sequence variants in the PTCH1 gene associate with spine bone mineral density and osteoporotic fractures. *Nature Communications*, 7, 10129. **(Impact factor = 14.9)**

Zhu, Z., Tang, N. L.-S., Xu, L., et al. (2015). Genome-wide association study identifies new susceptibility loci for adolescent idiopathic scoliosis in Chinese girls. *Nature Communications*, 6, 8355. https://doi.org/10.1038/ncomms9355 **(Impact factor = 14.9)**

Estrada, K., Styrkarsdottir, U., Evangelou, E., et al. (2012). Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. *Nature Genetics*, 44(5), 491–501. **(Impact factor = 33.3)**

Wan, X., Yang, C., Yang, Q., Xue, H., Fan, X., Tang, N. L. S., & Yu, W. (2010). BOOST: A fast approach to detecting gene-gene interactions in genome-wide case-control studies. *American Journal of Human Genetic*s, 87(3), 325–340. **(Impact factor = 10.5)**

Khor, C. C., Vannberg, F. O., Chapman, S. J., et al. (2010). CISH and susceptibility to infectious diseases. *The New England Journal of Medicine*, 362(22), 2092–2101. https://doi.org/10.1056/NEJMoa0905606 **(Impact factor = 91.4)**

Woo, J., Tang, N., Suen, E., Leung, J., & Wong, M. (2009). Green space, psychological restoration, and telomere length. *Lancet (London, England)*, 373(9660), 299–300. https://doi.org/10.1016/S0140-6736(09)60094-5 **(Impact factor = 79.3)**

Tang, N. L.-S., Chan, P. K.-S., Hui, D. S.-C., To, K.-F., Zhang, W., Chan, F. K. L., Sung, J. J.-Y., & Lo, Y. M. D. (2007). Lack of support for an association between CLEC4M homozygosity and protection against SARS coronavirus infection. *Nature Genetics*, 39(6), 691–692. https://doi.org/10.1038/ng0607-691 **(Impact factor = 33.3)**

Please see my full publication list in a separate section

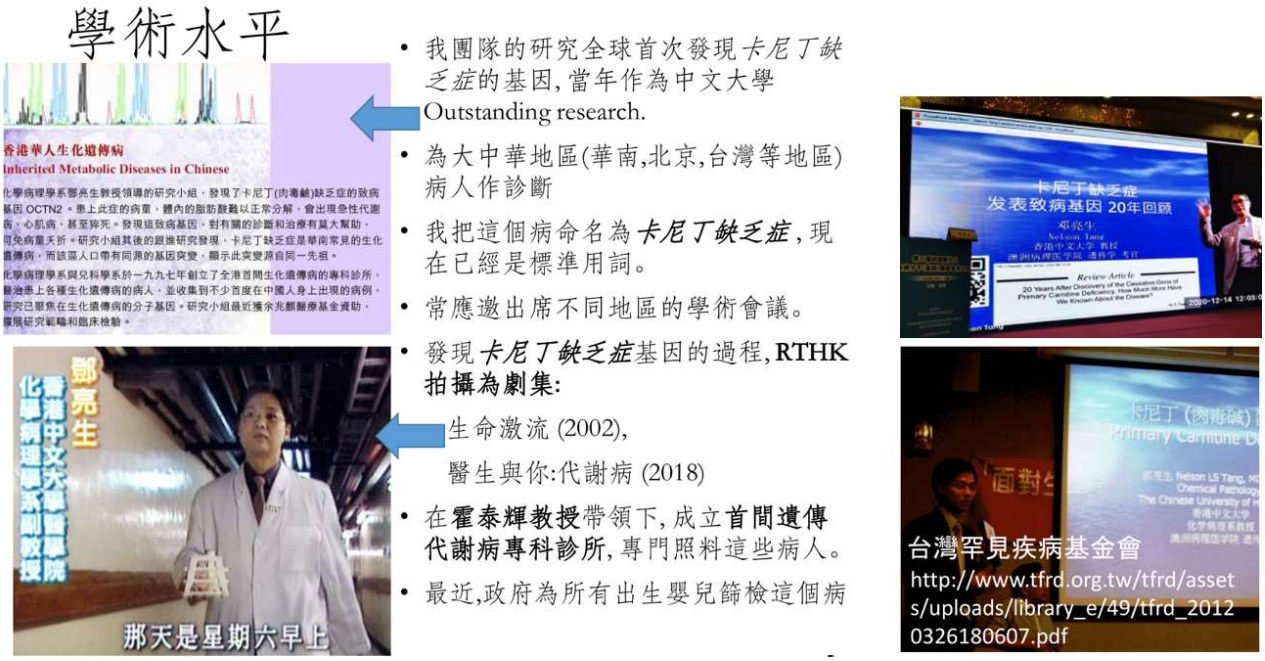
(RESEARCH THEME I) STUDIES OF INHERITED METABOLIC DISEASES (IMDS, RARE DISEASES IN CHILDREN)

Together with colleagues in Department of Pediatrics, I established the FIRST metabolic clinic in Hong Kong. The pioneered clinical services and research for this group of genetic diseases have been supported by a grant from **S.K. Yee Medical Foundation**.

Research in our team has led to the discovery of the disease gene causing Primary Carnitine Deficiency (*Tang et al 1999* and *Tang et al 2002*). In 2002, The University recognized our work as an Outstanding Research (*Annual Report CUHK, 2001/02*). Consultations and specimens are received from both local and overseas clinics for genetic diagnosis (including USA, Australia, China, Macau and Taiwan).

The Joint Metabolic Clinic and laboratory is responsible for the laboratory investigations of patients with various IMDs in the New Territories East cluster of Hospitals. The clinic and laboratory supported diagnosis and management of many different kinds of IMDs in Hong Kong and our cases registry revealed the spectrum of diseases found in local Chinese. The laboratory is also the referral laboratory for definitive diagnosis of various defects in the fatty acid oxidation pathways. This laboratory also appears in international laboratory directory (listing in the *NIH Genetic Testing Registry*). After establishment of the Hong Kong Children Hospital, most of our patients are now receiving treatment in the Children Hospital.

I lectured frequently in international and regional conferences on carnitine (卡尼丁) metabolic defect and other genetic diseases in Chinese. In 2012, Prof. Y.T. Chen (陳垣崇院士) who is an expert in this area and Newborn Screening, visited CUHK as the Distinguished Visiting Scholar of United College (Please see appendix for further information).



(RESEARCH THEME II) COMPLEX TRAITS

I am the Principal Investigator of the Laboratory of Genetics of Disease Susceptibility (GDS) in the newly founded Li Ka Shing Institute of Health Sciences. The mission of the GDS laboratory is to identify disease predisposition genes for common diseases in the locality. Predisposition to many common diseases (for example Diabetes, Scoliosis, Alzheimer disease, breast cancer and asthma) are due to alleles in multiple genes in addition to environmental risk factors. This rapidly evolving field of genetic research requires new research methods (for example Genome-wide association study), new statistical skills and international multi-center consortium approaches. We are part of international consortiums in studies of healthy aging (including bone and other phenotypes), scoliosis, breast cancer, and genetic susceptibility to tuberculosis.

In addition, I also co-directed (together with Prof. Pak Sham of University of Hong Kong) the *Advanced Study Institute* funded by ***The Croucher Foundation*** to enhance local research and develop local talents in the field of "Genetic Statistics" which is an essential discipline in the post-genomic era.

I have been regularly invited to join the Annual Conference of scoliosis research organized by the Cotrel Foundation of the Institut de France. The photos were taken when I received a research grant award from Prof. Gabriel de Broglie, the chancellor of the Institut de France and a group photo of the large research team. The Institut de France is the top academic institute in France established since 1795.

學術水平

- 之後, 在李嘉誠醫學研究所, 主理
  - 多基因疾病 的研究。
- 共發表論文300多。
- 在多基因疾病領域 (complex trait), 論文引用率為最高的十個作者之一。
  - Ranked by Google Scholar
- 脊柱側彎的基因研究獲得法國研究院 (INSTITUT DE FRANCE) 的項目撥款, 帶領遺傳基因確定和治療的新方案。

https://publons.com/researcher/2047982/nelson-l-tang/

PUBLICATIONS	TOTAL TIMES CITED	H-INDEX
329	11,151	46

VERIFIED REVIEWS	VERIFIED EDITOR RECORDS
73	5

OTHER PROFESSIONAL ACTIVITIES

Reviewer of Grants / Academic Appointment

面上項目和青年研究基金, National Science Foundation of China (NSFC), **China**
"千人计划"顶尖人才与创新团队项目通讯评审, NSFC, **China**
External Reviewer of Personnel Appointment, Academia Sinica 中央研究院, **Taiwan**
General Research Fund (Research Grants Council), **Hong Kong**
Health and Medical Research Fund and Member of the Grant Review Board , **Hong Kong**
Multi-Year Research Grant (MYRG) awarded by Research and Development Administration Office of the University of Macau, **Macau**
Breast Cancer Campaign Research Grant, **United Kingdom**
The Medical Research Council (MRC), **United Kingdom**
National Medical Research Council of Singapore, **Singapore**
National Health Laboratory Service Research Trust (NHLSRT) Grants of **South Africa**
The National Science Center of **Poland**

Editorial Board Member of Journals

Pathology
Frontiers in Genetic Disorders
Frontiers in Pediatrics
Genes
Dataset Papers in Medicine: Genetics (2012-10 to 2014-10)
The Scientific World Journal (Genetics) (2013-07 to 2015-06)
Journal of Pediatric Biochemistry (2014-06 to 2018)

Manuscript Reviewer for Journals

New England Journal of Medicine
Human Molecular Genetics
Human Mutation
Genomics
Human Genetics
Clinical Chemistry
Clinical Endocrinology
Clinical Biochemistry
Clinical Biochemistry and Laboratory Medicine
Cancer Letters
Frontiers in Genetic Disorders

Ad Hoc Reviewer for Journals

Asia-Pacific Psychiatry
The American Journal on Addictions
Biological Psychiatry

BMC Biotechnology
BMC Medical Genetics
British Journal of Obstetrics and Gynaecology
Cancer Genetics
Chinese Science Bulletin
Clin Chim Acta
Cytokine
European Journal of Medical Genetics
Experimental and Clinical Endocrinology & Diabetes
Future Medicine
Gene
Genetic Epidemiology
Genomics
Hong Kong Medical Journal
Human Genetics
Infection Genetics and Evolution
Journal of Biomolecular Structure & Dynamics
Molecular Biology Reports
Nanoscience and Nanotechnology
Nephrology
Nutrition and Food Science
Pathology
PLOS ONE
Respirology
review a chapter of the forthcoming textbook Clinical Chemistry
SCIENCE CHINA: Life Sciences
Scientific Reports
Systematic Reviews

PATENTS (GRANTED AND IN PROGRESS)

Determination of gene expression levels of a cell type , US9589099B2
Leung Sang Nelson Tang The Chinese University Of Hong Kong
https://patents.google.com/patent/US9589099

CN103764848B

Method to quantify telomere length and genomic motifs
US20210010069A1 Leung Sang Nelson Tang The Chinese University Of Hong Kong
https://patents.google.com/patent/US20210010069A1/en

CN112029841A

RESEARCH GRANTS

External Grants (PI is shown in bold)

	Nature of Grant and Year	Investigator(s)	Project Title	Amount of Grant (HK$) and Source
1.	External as Co-PI 2021	**Kwok Anne Tang NLS**	Paediatric Biomonitoring Reference Values for Metals and Trace Elements in Urine : A Survey of Hong Kong Children	HMRF HKCH Research Theme HK$ 1,009,167
2.	External as Co-I 2020	**Li GH** Tang NLS et al	Investigating the Key Factors Regulating Healthy Ageing in Chinese Longevity Family Cohorts	Ministry of Science and Technology (MOST) National Key Research Project HK$ 876,000
3.	Internal as Co-I 2019	**Lui CY** Tang NLS et al	Prediction of Clinical Outcomes by Determining the Kinetics of Serum Proadrenoamedullin, Procalcitonin and CRP in Adult Patients with Bloodstream Infections	CUHK Direct Grant HK$ 149,775
4.	External as Co-I 2017	**Cheng CY Jack QIU Y** Tang NLS et al	Expression and Functional Characterization of LBX1 in AIS Scoliosis	NSFC / Research Grants Council Joint Research HK$ 1,045,271
5.	Internal as PI 2016	**Tang NLS** et al	University Direct Grant: Scheme to Encourage High Impact Publications (Nature Communication Publication on Scoliosis Genetics)	CUHK HK$ 50,000
6.	External as PI 2015	**Tang NLS** et al	Genetic Studies of Tuberculosis: In-depth Study of recently GWAS Identified Loci in Chinese Patients	HMRF (HKSAR Govt) HK$ 987,414
7.	External as Co-I 2014	**Ma Ronald**	An Integrated Trans-omics Approach to Diabetic Cardiorenal Complications	Research Grant Council Theme-based Research HK$ 47,000,000.

	Nature of Grant and Year	Investigator(s)	Project Title	Amount of Grant (HK$) and Source
8.	External as Co-I 2014	**Ko WH** Tang NLS et al	Anti-inflammatory Action of Carbon Monoxide via Interaction with Purinergic Receptor Medicated Cell Signaling Pathways in Human Bronchial Epithelia	General Research Fund HK$ 848,712
9.	External as Co-I 2013	**Ma SL** Tang NLS et al	Association between P450 related Gene Polymorphisms and Clinical Response to Cholinesterase Inhibitors in Chinese Living with Alzheimer Disease	HMRF (HKSAR Govt) HK$ 859,288
10.	External as PI 2012	**Tang NLS** Waye M	亚洲人群的新基因和剪接外显子的发现 – 通过分析和验证 HapMap其他人群的转录组测序(RNASeq)数据, Analysis and Validation of Novel Exons in Chinese Population Using Existing RNAseq Data	National Natural Science Foundation of China (RMB 600,000)
11.	External as Co-I *2010*	**Lee Albert** Tang NLS Wing YK	Family Studies in Children with Obstructive Sleep Apnoea	Research Grants Council - General Research Fund HK$887,400.00
12.	External as Co-I *2010*	**Ho S** Tang NLS	A Double-blind Randomized Controlled Trial on Whole Soy and Daidzein Supplementation on Reduction of Blood Pressure in Prehypertensive Postmenopausal Chinese Women	Research Grants Council - General Research Fund HK$ 1,326,513.00
13.	External as PI 2009	**Tang NL (Co-PI)** Winnie Yeo	Effect of Genetic Polymorphisms and Gene Expression in Chemotherapy-related Toxicities in Chinese Breast Cancer Patients	GlaxoSmithKline Oncology International Ethnic Research Initiative (GSK ERI) HK$ 1.8 million
14.	External as Co-I 2009	**Yeung HY** Tang NLS Cheng JC	Are there Differences in Phenotypic Expressions and Curve Progression between Familial and Sporadic Adolescent Idiopathic Scoliosis? - A Study to Unveil the Possible Differences in their Etiopathogenesis	Research Grants Council General Research Fund HK$ 881,305.00

	Nature of Grant and Year	Investigator(s)	Project Title	Amount of Grant (HK$) and Source
15.	*External as PI* *2008*	**Tang NLS** Easton DF Tsai PS Yu WC Lai BS	Genome Wide Association Study to Identify Susceptibility Genes for Hepatocellular Carcinoma	Sir Michael and Lady Kadoorie Funded Research Into Cancer Genetics HK$ 2,801,292.
16.	*External as Co-I* *2008*	**Leung TF** Tang NLS Hon KL Ng CY Lam WK Wong WK	Genome-wide Association Study for Childhood Atopic Dermatitis	Research Grants Council General Research Fund HK$2,340,642
17.	*External as Co-I* *2007*	**Ho Chan SS** Woo J Tang NLS Goggins W Lam WK Ahuja AT	A Three-year Follow-up Study of Progression of Common Carotid Atherosclerosis and the Associated Risk Factors in a Population-based Cohort of Postmenopausal Chinese Women	Research Grants Council Competitive Earmarked Research Grant HK$ 780,000.
18.	*External as PI* *2006*	**Tang NLS** Cheng JCY Miller Nancy **(co-PI)**	An International Effort to Fine Map the Idiopathic Scoliosis Gene in a Critical Region on Chromosome 9q31-q34.	Institute de France (Foundation of Cotrel) US$174,000.
19.	*External as PI* *2006*	**Tang NLS** Suzanne Ho K. F. To Winnie Yeo Winnie C.W. Chu Jean Woo	Study of IGF1 Promoter Sequence Variations: the Link between Transcriptional Regulation and Intermediate Phenotypes	Research Grants Council Competitive Earmarked Research Grant HK$ 654,500

	Nature of Grant and Year	Investigator(s)	Project Title	Amount of Grant (HK$) and Source
20.	*External as PI* *2006*	**Tang NLS** Winnie Yeo	The Association of Pharmacogenetics and Chemotherapy Induced Toxicity in BreastCancer Patients Receiving Chemotherapy.	A grant from Hong Kong Anti-cancer Society (HK$ 100,000)
21.	*External as Co-I* *2006*	**Pak C. Sham** Michael Ng Tang NLS Shaun Purcell	Optimal Design of Genome-Wide Association Studies for Multifactorial Diseases	Research Grants Council Competitive Earmarked Research Grant HK$ 532,500
22.	*External as PI* 2005	**Tang NLS** Lai BS Chan LY Chan KL	Molecular Epidemiology of Steroid 5a-reductase and Other Androgen Metabolic Genes in Hepatocellular Carcinoma among Chinese Male Patients.	Research Grants Council Competitive Earmarked Research Grant HK$ 955,914
23.	*External as PI* 2005	**Tang NLS** Chan CY Leung CC Tam CM Blackwell J	Genetic Studies of Tuberculosis.	RFCID HKSAR Govt. HK$ 786,420
24.	*External as Co-Director* 2005	Co-Directors : **Sham Pak** **Tang NLS** Members : Stadlin, Alfreda Xue, Hannah Wong, Man-Yu Yip, SP Ng, MKP Mak, W	Croucher Foundation Advanced Study Institute-Statistical Genetics: From Haplotype Maps to Disease Susceptibility Genes	The Croucher Foundation HK$ 498,000

	Nature of Grant and Year	Investigator(s)	Project Title	Amount of Grant (HK$) and Source
25.	*External as Co-I* 2004	Tang NLS under *Center of Emerging Infectious Diseases, CUHK*	Immunogenetic Study in SARS	A grant supported by the *Centre of Emerging Infectious Diseases* of CUHK and the *Health, Welfare and Food Bureau* of the Hong Kong SAR Government.
26.	*External as Co-I* 2004	**Cheng JCK (PI)** Tang NLS Guo X Lee SKM	Are VDR, ESR1 & PTHR1 Genes Associated with the Occurrence as well as Abnormality in Bone Growth and Sexual Maturation in Adolescent Idiopathic Scoliosis?	External Research Grant from the Scoliosis Research Society (USA) US$ 70,800
27.	*External as Co-I* 2004	**Ho Susanne (PI)** Woo Jean Chu Winnie Yeo Winnie Tang NLS Lau TFJ	Adolescent and Adult Soy Intake and Breast Cancer Risk in Chinese Premenopausal Women (#2003/81)	World Cancer Research Fund International Grant £ 149,772
28.	*External as Co-I* 2004	**Cheng JCK (PI)** Tang NLS Guo X Lee SKM	Identification of Prognostic Disease Modifier Genes in Adolescent Idiopathic Scoliosis – A Six-year Longitudinal Follow-up Study CUHK4337/04M	Research Grants Council Competitive Earmarked Research Grant HK$ 939,968
29.	*External As PI* 2003	**Tang NLS** Wong CK Chan KS Hui SC To KF Lam CWK	To Develop a Clinical Prognostic Profile for Severe Disease Course in SARS with Serum Cytokines Measurements and Genomic Markers –A Retrospective Case Control Study	Research Grant Council Special SARS Earmarked Research Grant HK$ 362,000

	Nature of Grant and Year	Investigator(s)	Project Title	Amount of Grant (HK$) and Source
30.	*External* *As PI* 2002	**Tang NLS** Hui J Cheung KL Lam WK Fok TF	Establish a Diagnostic Laboratory for Inherited Metabolic Diseases in Hong Kong	S. K. Yee Medical Foundation HK$ 480,840
31.	*External* *As PI* 2001/2002	**Tang NLS** Chow CC Yao XQ Cockram CS	Is Thyrotoxic Periodic Paralysis Resulted from a Calcium Ion Channelopathy?	Research Grant Council Earmarked Research Grant HK$699,600
32.	*External* *As Co-I* 2000/2001	**Lam Chiu Wa** CHIU Helen Tang NLS GARCIA BARCELO Maria Mercedes	A Study of the Neurobiological Correlates of Behavioural and Psychological Symptoms in Alzheimer's Disease	Research Grant Council Earmarked Research Grant HK$650,000
33.	*External* *As Co-I*	**Lee TS** Lau TS, Lee A Tang NLS	A Study on Factors Affecting Drug Abuse Trends in Hong Kong	Action Committee Against Narcotics HK$ 478,569
34.	*External* *As Co-I*	**Tomlinson B** Tang NLS, Chan M.	An Open-label Study to Evaluate the Efficacy and Safety of 80 mg Simvastatin in Patients with Hyperlipidemia.	Merck Sharp & Dohme (Asia) Ltd. HK$150,000

SUPERVISION OF POSTGRADUATE AND RESEARCH STUDENTS

Master degree (research degree MPhil or research project in MSc)

MSc (Clinical Biochemistry)	XIAO Gang
MSc (Clinical Biochemistry)	CHAN Chi Kung
MPhil (Medical Sciences)	CHUNG Mei Lan
MPhil (Chemical Pathology)	SUNG Y.M. Mandy
MPhil (Medical Sciences)	MA Suk Ling
MPhil (Anatomy)	HO Ada
MPhil (Medical Sciences)	Eddie Suen
MPhil (Chemical Pathology)	Jane Jiang
MPhil (Chemical Pathology)	Wang, Xingyan
MPhil (Chemical Pathology)	Zhang Xiaomeng
MPhil (Chemical Pathology)	Yeung HM

Doctorate degree (PhD)

PhD (Chemical Pathology)	CHAN Hui Shuen
PhD (Medical Sciences)	MA Suk Ling
PhD (Chemical Pathology)	HUANG Wei
PhD (Chemical Pathology)	LAW Lap Kei
PhD (Medical Sciences)	LAU Edmond
PhD (Medical Sciences)	Martin Li
PhD (Medical Sciences)	Fu Yan
PhD (Chemical Pathology)	Chen Yu
PhD (Chemical Pathology)	Huang Dan
PhD (Chemical Pathology)	Zhang Jinglin
PhD (Chemical Pathology)	Hu, Fuyan
PhD (Chemical Pathology)	Wu Junyi
PhD (Chemical Pathology)*	Huang Baozhen

*Current PhD candidate

External Examiner of Postgraduate Students in Other Universities

Year	*Program*	*University*
2006	PhD in Biochemistry	University of Science and Technology
2007	PhD in Biochemistry	University of Hong Kong
2010	PhD in Biochemistry	University of Hong Kong
2010	PhD in Psychiatry	University of Hong Kong
2012	PhD in Psychiatry	University of Hong Kong
2013	PhD in Psychiatry	University of Hong Kong
2013	PhD in Sydney Medical School	University of Sydney, Australia
2015	PhD in Psychiatry	University of Hong Kong
2018	PhD in Department of Paediatrics and Adolescent Medicine	University of Hong Kong
2020	PhD in Psychiatry	University of Hong Kong

Details as the External Examiner for other CUHK PhD students are not listed

SELECTED PRESENTAIONS AND CONFERENCE ORGANISATION

1997	Invited Speaker, Society for the Study of Endocrinology, Metabolism and Reproduction
1998	Invited Speaker, The Fourth Congress of Parenteral and Enteral Nutrition Society of Asia
1999	
	Invited Speaker, Education Symposium on Inborn Errors of Metabolism. (17-19 Sept, 99), organised by Hong Kong College of Pathologists and Hong Kong Society of Clinical Chemistry
	Invited Speaker, The Hong Kong Society of Pediatric Endocrinology and Metabolism
	Invited Speaker, The Hong Kong Society of Child Neurology and Developmental Paediatrics
	Invited Speaker, The Sixth Annual Meeting of Asian European Workshop on Inborn Error of Metabolism
2000	
	Invited Speaker, Hong Kong Medical Technology Association
	Invited Lecture Speaker for two Lectures, Chinese Congress of Clinical Chemistry and Laboratory Medicine, 2000 organized by the Chinese Society of Clinical Chemistry and the Hong Kong Society of Clinical Chemistry
	Invited Lecture Speaker, 中港生化新技术研討会, Nov 2000, Beijing 301 Hospital, China.
2001	
	Invited Speaker, International Joint Congress of the Hong Kong College of Pathologists and Royal College of Pathologists of Australasia, organised by Royal College of Pathologists of Australasia and Hong Kong College of Pathologists
2004	
Jan	Seminar in Strangeways Research Laboratory of **University of Cambridge, UK**. *"Statistical issues in genetic association study"*
April	Invited Speaker for a Lecture, *"Genetic Study of Common Diseases"*, The Third Hong Kong Medical Genetics Conference –
April	Invited Workshop Speaker, HUGO's 10th Human Genome Meeting, a Workshop on a Methodology in Genetic Study of Common Diseases
June	Invited Symposium Lecture Speaker, Fourth Symposium of Pulmonary Pathology Society *"Immune Response to SARS Infection and Biomarkers"*
September	Invited Academic Visit and Lecture Speaker, The Affiliated Drum Town Hospital of **Nanjing University Medical School**
October	Invited Lecture Speaker, Update Series on Child Health 2005, co-organized by The Hong Kong Pediatrics Society and The Hong Kong College of Pediatrics – invited lecture on Inherited Metabolic Diseases in Chinese.
2005	

October	Symposium Speaker, Annual Meeting of the International Society for Interferon and Cytokine Research – Symposium talk on "*Immunogenetics of SARS infection"*
2006	
April	Invited Lecture Speaker, National Continuing Medical Education Conference: *"Inherited Metabolic Diseases: Advances in Basic Research and Clinical Treatment*", ***Jinan University***, Guangzhou
May	Speaker and Visiting Scientist hosted by Prof. H Zhao of Department of Epidemiology and Public Health, ***Yale University School of Medicine****, USA*
August	Invited Speaker, Press Briefing on Metabolic Disease in Taipei, Invited by ***Taiwan Foundation of Rare Diseases*** **(**台灣罕見疾病基金會**)**. (Please refer to the Appendix for media coverage)
August	Speaker in Seminar on *"Common Metabolic Diseases in Chinese"* in Department of Pediatrics, ***National Taiwan University College of Medicine***, ***Taipei.***
August	Invited Lecture Speaker, International Congress of Globe Chinese Geneticists 2006 in Beijing, organized by ***Peking University***. (2 Lectures: one on Inherited Metabolic Diseases and the Other on Genetics of Common Diseases)
October	Invited Speaker, "*Expanding Newborn Screening in Hong Kong"*, Sixth Perinatal Symposium 2006, organized by The HK Society of neonatal medicine.
December	Seminar talk on *"Genetics of Alzheimer Disease and Neurodegeneration" ,* In **Beth Israel Deaconess Medical Center, *Harvard Medical School***
2007	
June	Invited Speaker, International symposium of Glutaric aciduria type 1, organized by ***Taiwan University Medical College, Taipei***
November	A Talk on *"Laboratory Support on Metabolic Diseases",* Annual meeting of The Hong Kong Society of Child Neurology and Developmental Pediatrics.
November	Section Chairman and Invited Speaker, Sixth Annual Meeting of the Asian Society of Inherited Metabolic Disease (ASIMD) and the 49th Annual Meeting of the Japanese Society for Inherited Metabolic Disease (JSIMD), Japan
2008	
June	Invited Keynote Lecture, *"Primary Carnitine deficiency in Chinese",* Association of Chinese Geneticists in America – Hong Kong Society of Medical Genetics Joint Conference
June	Member, Organizing Committee of International Genetics Conference jointly organized by the Association of Chinese Geneticists in America and the Hong Kong Society of Medical Genetics
July	Speaker on Concurrent Symposia, *"Multiple Polymorphisms in the Chemokine Ligands Lloci of 17q11.2 and Pulmonary Tuberculosis in a Cohort*

	of 1000 Chinese Patients", The 20th International Congress of Genetics in Berlin
December	Invited Speaker, *"Fatty Acid Oxidation Defects: Diagnosis and Treatment",* Departments of Genetics and Pediatrics, Yang-Ming University (Veterans General Hospital) , Taipei.
December	Seminar Speaker, *"Human Genetics at the Crossroads: Single Gene or Complex Traits"* in Division of Molecular and Genomic Medicine, Health Research Institutes, Taiwan
2009	
November	Invited Symposium Talk: *"A Systemic Survey of Mutations in 50 Chinese Gaucher Patients"* , The 51st Annual Meeting of the JSIMD and the 8th Annual Symposium of the ASIMD organized by Asian Society for Inherited Metabolic Diseases & Japanese Society for Inherited Metabolic Disease
November	Symposium Talk: *"Pharmacogenetic Approach for Breast Cancer Treatment"* , The 14th Annual Scientific Symposium of the Hong Kong Cancer Institute Breast Cancer Conference 2009 organized by Department of Clinical Oncology in Conjunction with the State Key Laboratory in Oncology in South China, CUHK
2010	
January	Panel member, Workshop on Expanded Newborn Screening Program for Inborn Errors of Metabolism in Hong Kong organized by Hong Kong Society of Inborn Errors of Metabolism.
March	Organizing Committee Member, Asian Congress of Inherited Metabolic Diseases
March	Lecture on *"Population Genetics of Gene Expression: Application of Linear Mixed Model"* in ACM-HK Bioinformatics Symposium, organized by HK University of Science and Technology.
May	Symposium Talk *"Population Genetics of Gene expression and disease in Chinese"* Section Chairman, International Conference on Genetic and Genomic Medicine, Academia Sinica, Taipei.
May	Section Chair, Genetics and Dementia for Alzheimer's Disease Conference: From Public Health to Therapeutic Insights organized by HKU Alzheimer's Disease Research Network
October	Programme Committee Member, The 3rd International Conference on BioMedical Engineering and Informatics (BMEI'10) organized by Yantai University
December	Organizing Committee Member, The Nineth Asia- Pacific Conference on Human Genetics, Hong Kong Symposium talk: "*Genome-wide Genotypes Provide New Insights into Population Genetics and Disease Susceptibility"*
2011	
May	A Talk on *"Thoughts on SNP interaction"* in Genomic SRT Seminar Organized by Genome Research Centre, University of Hong Kong

July	A Talk on *"Genome Wide Association Study"* in *Cancer 2011* meeting organized by CUHK
2012	
July	A Talk on *"Statistical Property of Transcription (Gene Expression) in Eukaryotic Cells: Insight from RNA-seq Data"* in 2012 年中国工程概率统计学会代表大会暨学术年会 - 中国四川省成都市 organized by 中国工程概率统计学会
August	A Talk on *"Statistical Distribution of Transcription (Gene Expression) in Eukaryotic Cells: Insight from RNA-seq Data "* , The 6th IEEE International Conference on Systems Biology (ISB 2012) in Xi'an, China organized by Chinese Academy of Sciences and Xidian University
September	Invited Lecture, *"Statistical Issues in Three Genomic Eras"* in The Key Laboratory of Systems Biology, Shanghai Institutes for Biological Sciences, **Chinese Academy of Sciences in Shanghai**
October	Session Moderator, International Scoliosis Genetics Interest Group organized by The British Scoliosis Research Foundation (BSRF)
December	Organizing Committee Member, Frontiers in Biomedical Research, HKU2012 organized by Li Ka Shing Faculty of Medicine, The University of Hong Kong
2013	
January	Invited Speaker, on Inborn Errors of Metabolism in Clinical Genetics Symposium organized by the Hong Kong Society of IEM
January	A Talk on "*Inter-individual Variation in Expression of Splicing Variants: Studies of Microarray and RNA-seq Data* " in 国家自然科学基金委员会重大研究计划"微进化过程的多基因作用机制"项目年度交流暨学术研讨会 organized by 国家自然科学基金委员会 (2013-01)
January	A Talk on "*A Journey of Genetic Study of AIS* ", 香港中文大學-南京大學脊柱側彎聯合研究中心第九届会議 organized by 香港中文大學-南京大學脊柱側彎聯合研究中心
May	Invited Lecture "*Statistical Issues in the Recent Genomic Eras 借助统计学分析技术应对基因组时代的挑战,* "中山大学公共卫生学院"教授论坛"第四十八讲
2014	
January	A Talk on *"Genetics of Scoliosis",* 香港中文大學與南京大學脊柱側彎聯合研究中心第十届会议 organized by Joint Scoliosis Research Center of the Chinese University of Hong Kong and Nanjing University
June	Member of Scientific Program Committee (Topic: Genetics and Etiology), The 10th Meeting of the International Research Society of Spinal Deformities (IRSSD 2014) in Sapporo, Japan organized by International Research Society of Spinal Deformities
August	Invited Lecture on " *肉碱代謝障碍的診斷與治療*" in The Second Forum of International Translational Genetic Medicine in Beijing "第二届首都(国际)遺傳性疾病臨床轉化医学論坛" organized by Peking University First Hospital

November	A Talk on *"What Kind of Research can be Done in Post-GWAS Era ?"* in 宁波大学首届医学遗传学论坛暨复杂疾病研究研讨会 organized by 宁波大学
November	Section Chair of Session 1-1: Single-cell Analysis, The 9th International Forum on Post-Genome Technologies organized by Nanjing University
December	Chair of Session (CT007) Theme: DNA, RNA, Gene, Microarray and Biomarker Data I, The Ninth ICSA International Conference: Challenges of Statistical Methods for Interdisciplinary Research and Big Data in Hong Kong organized by International Chinese Statistical Association
2015	
April	Programme Committee Member, The 4th Asian Congress for Inherited Metabolic Disease in Taipei, Taiwan organized by Taiwan Human Genetics Society
June	A Talk on "*Regulation of IGF1 Expression: Complex Interaction among SNPs, Microsatellites and Transcriptional Factors"* in The 15th SCBA International Symposium in Taipei, Taiwan organized by Society of Chinese Bioscientists in America (SCBA)
July	A Talk on "*Genetic Studies for Aging Related Phenotypes in Healthy Ageing*"- Facilitating Research through International Partnership Organized by Aston University
October	Programme Committee Member **,** Acne Genetics in Hong Kong Dermatology Symposium 2015 jointly organised by Hong Kong Dermatology Foundation, CUHK, HKPADS and HKU
October	A Talk on *"Selection of Mixed Linear Modeling for Analysis of Technical and Biological Variations in RNA-seq Data"*, The Sixth National Conference on Bioinformatics and Systems Biology and International Workshop on Advance Bioinformatics 2014 in Nanjing, China Organized by South East University
November	A Talk on *"From Gene to Function: How Genetic Variations Affect Phenotype",* 第二屆寧波大學醫學遺傳學論壇暨後基因組時代的轉化醫學研討會 organized by School of Medicine, Ningbo University
2016	
April	A Seminar Talk "*香港和澳大利亞皇家病理學院的情況*" in 医学检验专业住院医师规范化培训模式研讨会 Organized by 中国医师协会检验医师分会, China
June	Co-Chairperson of Session II (Technology frontiers), SBS Research Day 2016 organized by School of Biomedical Sciences, CUHK
November	A Conference Talk, *"New Insights into Old Diseases: Carnitine-acylcarnitine Translocase Defect and Wilson Disease",* The 14th Asia Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress 2016 (APFCB 2016) organized by Chinese Association for Clinical Biochemistry (CACB), Asian-Pacific Federation for Clinical Biochemistry and laboratory Medicine (APFCB) and International Federation of Clinical Chemistry and Laboratory Medicine (IFCC), held in Taiwan
2017	

April	A Talk on *"Dry and Wet Mining of the Genome in Large Cohorts: Opportunities and Challenges in Learning Health Systems*," International Collaboration Projects on Precision Medicine organized by Health Research Institutes, Taiwan
May	Conference Paper Reviewer, Union World Conference on Lung Health 2017
September	A Seminar Talk on "*Genetic Causes of Developmental Defects Causing Scoliosis"* at University of Portsmouth, United Kingdom
2018	
January	A Seminar Talk on "*Genetics of Scoliosis and Animal Models" i*n FHS Seminar Series organized by Faculty of Health Sciences, University of Macau, Macau
May	A Seminar Talk on "*Characterization of Alternative Splicing of HLA-DMB Gene In Tumour RNA-seq and its Role as Prognostic Biomarker"* in 3rd Annual Advances in Immuno-Oncology Congress organized by Oxford Global, United Kingdom
May	Session Chairman for Genome Wide Association Studies of Diabetic Complications, Gordon Research Conference in Epigenomics of Diabetes and Other Metabolic Diseases organized by **Gordon Research Conferences, Hong Kong**
August	Program Committee Member, The 5th Asian Congress of Inherited Metaboic Diseases and The 17th National Conference on Pediatric Endocrine and Genetic Metabolic Diseases organized by Asian Society of Inherited Metabolic Diseases, held in China
2019	
October	Symposium Scientific Committee Member, Breast Cancer Conference 2019 organized by Hong Kong Cancer Institute & Department of Clinical Oncology in conjunction with State Key Laboratory of Translational Oncology, CUHK
2020	
December	A Seminar Talk on "*卡尼丁缺乏症- 發表致病基因 20 年回顧"*, 第二屆中國新生兒疾病分子篩查高峰論壇 organized by 全國新生兒遺傳代謝病篩查學組
2021	
October	A Seminar Talk on "*Single Cell-type Expression of B Lymphocytes by Direct LS-TA Method in Peripheral Blood*" in Immuno-UK Conference

AWARDS AND PRIZES

2003	Sir Robert Black Trust Fund Scholarship for a Sabbatical to Strangeways Research Laboratory, University of Cambridge
2005	Conference Poster Award for Paper presented in The 12th International Congress Psychogeriatric Association
2005	Conference Poster Award for Paper Presented in The Joint Meeting of 27th Japanese Society of Biological Psychiatry
2007	Genetic Exploration leads to Novel Therapies in inflammation, Kiel
2007	International Conference in inherited metabolic diseases, Taipei
2009	The 7th International Life Surveyor Symposium at Central Research Laboratory, Hitachi Ltd., Tokyo, Japan (jointly organized by Tokyo University of Agriculture and Technology and Hitachi Ltd)
2009	First Runner-up of the Pfizer Best Poster Award Awarded by The 14th Annual Scientific Symposium of the Hong Kong Cancer Institute "Breast Cancer Conference"
2010	Poster Award. #58. Predisposition of SRD5A1 Gene to Hepatocellular Carcinoma in Male Chinese Hepatitis B Carriers. Chen Di Liao, Jieying Jiang, Xingyan Wang, Yuqing Qiu, Peter S Tsai, Winnie Yeo, Paul Lai and Nelson LS Tang awarded by Taiwan-ACGA 2010
	Conference Awards Received by my Postgraduate Students are not Listed
2021	Geneva Invention Expo : Gold Medal (Cytomics Limited)
2021	2020 年粵港澳大湾区高价值专利培育布局大赛: 银奖 (Cytomics Limited)
2022	The 9th Macao International Innovation and Invention Expo: Gold Medal (Cytomics Limited) (Refer to Appendix 3 for media coverage)

COMMUNITY SERVICES

PARTICIPATION IN PUBLIC (GOVERNMENT) ACTIVITIES AND MEDIA APPEARANCE FOR EDUCATING THE GENERAL PUBLIC ABOUT GENETICS

The primary objectives of my community services include: (a) public education and (b) serving as advocate for new medical services. These duties are carried out through media exposure and interaction with the government at various levels.

Advocating for Newborn Screening of Inherited Metabolic Diseases has been my long-term effort which dated back to 2002 shortly after I discovered the genetic cause of Primary Carnitine Deficiency. Together with my paediatric colleagues, we campaigned and interviewed with the press almost every other year. It was not until Prof. Y.T. Chen visited Hong Kong in 2012 as the DVS supported by United College, then a greater momentum was generated among the public. And the Newborn Screening Program finally commenced in 2016.

Nowadays, the next big issue for promotion of public awareness is ethical and social issues related genetic testing. The technology of genetic testing has advanced rapidly to a stage that it is just a click away to get genome of someone fully un-coded. However, some people may not be able to comprehend such vast amount of genetic information which could lead to psycho-social consequences. Therefore, my current priority of community service is to bring these issues to the public and explain in a way that they could understand. To this end, Prof. Paul Pharoah of University of Cambridge, who visited as the DVS of the United College in 2018 gave public lectures covering these issues, with high officials in the Department of Health of the HKSAR Government also joining his lecture. This is another illustration of the impact and potential influence of the Distinguished Visiting Scholar Program which is an exceptionally high quality and unique scheme supported by our College.

26 Feb 2002	*尋因第二集* (RTHK documentary drama, 生命激流系列) Ming Pao Daily News -D04,非常人物 and TV broadcast 
1 Mar 2002	*搜尋突圍基因 眾裡尋它- - 卡尼丁缺乏症* Hong Kong Economic Times -C04,健康
11 July 2002	*關注未來棟樑 健康不是小兒科* Hong Kong Economic Times -C01,拉闊健康
2 May 2006	*劍橋中大合研 華人感染肺結核原因* Sing Tao Daily -A10,港聞 *中大研究肺結核傳染基因 劍橋教授：預防基因疫苗可能五年後面世*

	Ta Kung Pao -A09,港聞 Also in Hong Kong Economic Times, Oriental Daily News
13 Aug 2006	*基因會說話道出要命的疏失* Min Sheng Daily –陳莉茵 *肉鹼缺乏症 台灣每年新增2~9人* Min Sheng Daily –reporter胡恩蕙
28 Aug 2006	*專家促抽四滴血。嬰猝死 一成涉新陳代謝遺傳病* 經濟日報
5 Oct 2009	*代謝遺傳病可猝死 港BB只查兩種捱批* Hong Kong Economic Times -A28,港聞,陳凱迎
22 Feb 2010	*生化遺傳病 嬰兒新殺手* Metro Daily -P30,健康
2 Nov 2012	*篩查代謝病 救救BB* To promote Newborn Screening with Prof. Y.T. CHEN (DISTINGUISHED VISITING SCHOLAR OF UNITED COLLEGE 2012). Reported in 東方日報 (Please see appendix), Also in Wen Wei Po, The Sun, Sky.
2015	Moderator in Advanced Medical Research - Grant Skills Training Workshop 2015 organized by Food and Health Bureau. Service for HKSAR Government.
3 Oct 2016	TV program about Inherited Metabolic diseases and Newborn screening in Hong Kong RTHK TV *醫生與你, 代謝病, 卡尼丁缺乏症*  http://podcast.rthk.hk/podcast/item_epi.php?pid=1066&lang=zh-CN&id= 播映時間： 2016 年 10 月 3 日（星期一）晚上 9 時 港台電視 31
2016	Moderator of Small Group Discussion - - Grant Skills Training Workshop 2015 organized by Food and Health Bureau. Service for HKSAR Government.

18 Apr 2016	*學生研電腦程式 快測突變基因 下月赴美 出戰英特爾* Sing Tao Daily -F01,星島教育,創科新星系列 This was a news report covering Sidney Chu (朱定文) who just won the Grand Prize in the 17th Hong Kong Youth Science and Technology Innovation Competition 香港青少年科技創新大賽. Sidney also represented Hong Kong in the Winter Olympics 2022.
11 June 2018	*驗癌病基因有利有弊, 你愿承受嗎?* 明報 Media exposure
31 Aug 2019	TODAY, Singapore (2019-08-31) *Remark: Looking for hidden risks in DNA tests (World)* https://www.todayonline.com/world/looking-hidden-risks-dna-tests Media exposure
31 Aug 2019	*DNA testing to check for risk of diseases such as cancer, Alzheimer's: a satisfied customer, worried doctors* South China Morning Post, Hong Kong Media exposure
2019-2020	Member on Working Group on Colorectal and Breast Cancer Screening for High Risk Groups, Centre for Health Protection, Department of Health. Service for HKSAR Government.
Jan 2020	Moderator at the Health and Medical Research Fund - Briefing cum Grant Skills Training Workshop for HMRF grant of Food and Health Bureau, Service for HKSAR Government.
23 Apr 2021	【*杏林在線*】*我的基因分析* | Now 新聞 https://lnkd.in/gpEFyUv Media exposure 
26 May 2021	*Understanding genetic testing and its business implications* WEBINAR with French Chamber Hong Kong 香港法國商會

SERVICE TO DEPARTMENT, FACULTY, UNIVERSITY

Department Level

Acting Chairman, on many occasions
Course Coordinator, undergraduate teaching
Level I Academic Advisor, undergraduate medical students and postgraduate students
Secretary, Board of the Department of Chemical Pathology
Member, Executive Committee, Department . of Chemical Pathology
Member, Department Academic Personnel Committee
Member, Examination Panel, Graduate Division of Chemical Pathology
Member, Graduate Panel, Graduate Division of Chemical Pathology
Member, Research Assessment Exercise (RAE) 2020 Departmental Panel

Faculty Level

Member, Faculty Board
Panel Coordinator, Subject Panel of Curriculum of the Faculty of Medicine
Department Representative, Task Force for the Medical Council of Hong Kong Accreditation Exercise and Curriculum Mapping
Level II Academic Advisor, Faculty of Medicine
Professor (by courtesy), School of Biomedical Sciences

Medical Student Affairs and Scholarship

Selection Interview Panel member, Li Po Chun Charitable Trust Fund Scholarships Selection Interview Panel member, Dr and Madam Tzu-leung Ho Scholarships
Selection Interview Panel member, Sir Edward Youde Memorial Scholarships
Selection Interview Panel member, Gerald Choa Memorial Fund Scholarship
Selection Interview Panel Member, Innovation and Technology Scholarship Award Scheme
Chairman and Interviewer, Selection Interview for HSBC Greater Bay Area (Hong Kong) Scholarship
Coordinator, Medical Students Admission Interview
Member, Welfare and Scholarship Committee, Faculty of Medicine
Member, Medical Students Essay Prize Assessment Panel

University level

Professor (by courtesy), CUHK-BGI Innovation Institute of Trans-omics
Professor (by courtesy), Hong Kong Institute of Diabetes and Obesity
Host family under CUHK Host Family Program organized by Incoming Students Section of Office of Student Affairs, CUHK
Associate Examiner for undergraduate students of Department of Biomedical Engineering

SERVICE TO SHENZHEN EXTENSIONS OF CUHK

香港中文大學深圳研究院研究員 (禮任), CUHK Shenzhen Research Institute (since 2014)
Member of Laboratory Safety Sub-Committee, CUHK Shenzhen Research Institute
Member of the School Academic Personnel Committee of the newly founded Shenzhen CUHK School of Medicine, which is responsible for hiring of faculty for the medical faculty

APPENDIX 1: DETAILS OF PRESS CONFERENCE IN TAIPEI

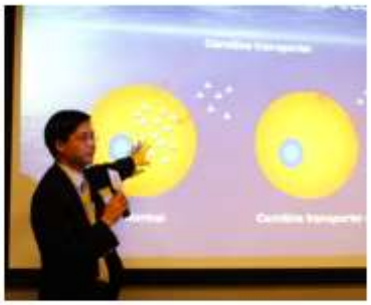
I have been invited to this International Press Conference in Taipei organized by Taiwan Foundation for Rare Disorders to talk about Primary Carnitine Deficiency.

Press briefing of metabolic disease in Taipei, invited by *Taiwan Foundation of Rare Diseases* (台灣罕見疾病基金會**)**
http://www.tfrd.org.tw/english/news/Cont.php?kind_id=61&sid=7&top1=NEWS%20AND%20EVENTS

NEWS AND EVENTS

"We Should Be Humble When Facing the Dignity of Life" International Press Conference

We just held an international press conferece on Aug.12, which was about the sad case of misdiagnosis of Ms.Serena Wu's son, Pinghsien, who passed away last year at the young age of 21. Serena investigated into Pinghsien's death and found that his disease is in fact Carnitine Deficiency, instead of NAGS deficiency. For her, it is already hard to accept the her son's death, let alone the cruel truth that all the effort spent on fighting against her son's disease turned out to be so wrong. However, she decides to get out of the emotinal tangles and view the whole issue from a larger scope. Her only wish is to save more patients who might have the same condition as Pinghsien's illness by telling the story and raise patients' and medical professional's alertness. She hopes that we will all learn the lesson from the loss of her beloved son's life. We share this sad case with you and hope that this would teach more people the importance of correct diagnosis, second opinion and research on complications of rare diseases and hopefully we can avoid the same tragedy from happening again.



We should be humble when facing the dignity of life<<< Because we can't live twice!

Gene Tells the Truth

APPENDIX 2 : NEWS CLIPPING ABOUT PROMOTION OF NEWBORN SCREENING TO THE PUBLIC TOGETHER WITH PROF. Y.T. CHEN (DISTINGUISHED VISITING SCHOLAR OF UNITED COLLEGE 2012). REPORTED IN 東方日報.

This is a showcase of my long-term effort to advocate and promote universal screening for Inherited Metabolic Diseases for Newborn in Hong Kong. Prof. Y.T. Chen (DVS of United College in 2012) and I met the press to educate the public and the government about such screening. Finally, the local Newborn Screening program for IMD commenced in 2016. Therefore, United College did play an important role in making this happen.

中文大學化學病理系教授鄧亮生指，遺傳性代謝病與新陳代謝異常有關，患者或缺乏特定酵素令身體功能失常，例如人類進食後，需要酵素將醣分轉化成能量，醣分耗盡後便需分解脂肪酸，以作「緊急供電」。中大十多年前確診一宗「卡尼丁缺乏症」，一對夫婦的初生兒子及女兒先後猝死，後來基因測試證實嬰兒缺乏人體必須「卡尼丁」，無法正常轉化脂肪。

現時美國、台灣及其他先進地區，均會為所有初生嬰兒提供遺傳性代謝病篩查，以便盡早為病嬰治療。

患病嬰無明顯病徵

患代謝病的嬰兒無明顯病徵，通常兩歲前發病，初時會發燒、食欲不振、嘔吐然後昏迷，短時間內已可演變成「新陳代謝危機」，身體無法正常運作，可致猝死，亦可令智力受損、心肌發大及小兒麻痺症等。他強調，若患者及早獲診斷，大部分可透過藥物或食療控制病情，故初生嬰兒篩查是最有效方法。

陳垣崇（左）及鄧亮生（右）向傳媒講解代謝病篩查。

代謝病篩查流程於初生嬰兒腳底，以針刺抽血。

抽取四滴血液滴到專用試紙。

APPENDIX 3: CHIEF EXECUTIVE RECEPTION FOR AWARDEES IN THE 2021 GENEVA INVENTION EXPO (INTERNATIONAL EXHIBITION OF INVENTIONS OF GENEVA). MY STARTUP COMPANY IN HONG KONG SCIENCE PARK (CYTOMICS LTD) RECEIVED A GOLD MEDAL.

FULL PUBLICATION LIST ARCHIVED IN PUBLONS

Nelson L Tang

https://publons.com/researcher/P-5018-2017/
Web of Science ResearcherID: P-5018-2017
ORCiD: 0000-0002-3607-5819

Current affiliation:

- The Chinese University of Hong Kong until present

Publications

PUBLICATION METRICS

For all time

TOTAL TIMES CITED	H-INDEX	PUBLICATIONS
11254	46	317

***WEB OF SCIENCE* DOCUMENTS**

301

PUBLISHING SUMMARY

(11) Journal of Inherited Metabolic Disease	WOS	(9) Plos One	WOS
(9) Clinica Chimica Acta	WOS	(7) Clinical Chemistry	WOS
(6) Spine	WOS	(6) Studies in Health Technology and Informatics	
(6) Journal of Allergy and Clinical Immunol...	WOS	(5) Pathology	WOS
(4) Nature Genetics	WOS	(4) Molecular Genetics and Metabolism	WOS
(4) Pediatric Allergy and Immunology	WOS	(4) Clinical Biochemistry	WOS
(4) Clinical Endocrinology	WOS	(4) Neurobiology of Aging	WOS
(4) Bioinformatics	WOS	(4) Allergy	WOS
(4) American Journal of Kidney Diseases	WOS	(3) Human Molecular Genetics	WOS
(3) Nature Communications	WOS	(3) Journal of Medical Genetics	WOS
(3) Dementia and Geriatric Cognitive Disor...	WOS	(3) The American Journal of Human Geneti...	WOS
(3) Sleep Medicine	WOS	(3) The International Journal of Biochemist...	WOS

(3) Human Mutation WOS	(3) Hong Kong Journal of Paediatrics WOS
(3) Journal of Paediatrics and Child Health WOS	(3) Clinical & Experimental Allergy WOS
(3) Journal of Medical Virology WOS	(3) Hong Kong medical journal = Xianggang yi xue...
(3) Scientific Reports WOS	(3) Frontiers in Genetics WOS
(3) Genes WOS	(2) Diabetologia WOS
(2) Journal of Psychiatric Research WOS	(2) Journal of the Renin-Angiotensin-Aldos... WOS
(2) European Journal of Human Genetics WOS	(2) Bone WOS
(2) Osteoporosis International WOS	(2) Clinical Orthopaedics and Related Rese... WOS
(2) Age and Ageing WOS	(2) BMC Bioinformatics WOS
(2) World Journal of Pediatrics WOS	(2) BMC Medical Genetics
(2) International Psychogeriatrics WOS	(2) Mechanisms of Ageing and Developme... WOS
(2) Pediatric Pulmonology WOS	(2) International Journal of Geriatric Psychi... WOS
(2) Modern Pathology WOS	(2) Journal of the American Society of Nep... WOS
(2) European Journal of Clinical Nutrition WOS	(2) Journal of Asthma WOS
(2) Journal of the National Cancer Institute WOS	(2) Menopause WOS
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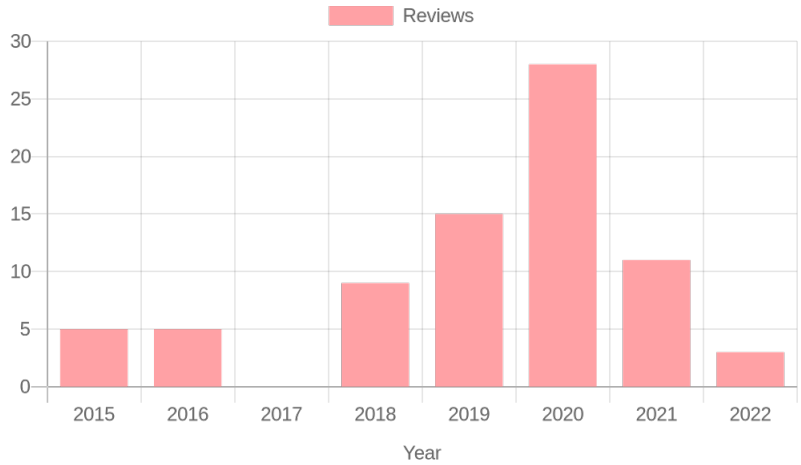
Verified reviews

REVIEW SUMMARY



REVIEWER SUMMARY

(14) Frontiers in Genetics	WOS	(11) BMC Medical Genetics	
(6) Molecular Neurobiology	WOS	(4) Scientific Reports	WOS
(3) Systematic Reviews	WOS	(3) Genetic Epidemiology	WOS
(3) Nephrology	WOS	(3) Metabolic Brain Disease	WOS
(2) Journal of Clinical Laboratory Analysis	WOS	(2) Gene	WOS
(2) Genes	WOS	(2) Human Mutation	WOS
(2) Journal of Genetics and Genomics	WOS	(2) Journal of Leukocyte Biology	WOS
(2) Frontiers in Pediatrics	WOS	(1) Clinical Nutrition Open Science	
(1) Journal of Clinical Pathology	WOS	(1) BMC Musculoskeletal Disorders	WOS
(1) Medical Review		(1) Journal of International Medical Resear...	WOS
(1) Biomolecules	WOS	(1) Journal of Medical Genetics	WOS
(1) Genomics	WOS	(1) BioMed Research International	WOS
(1) Experimental and Clinical Endocrinolog...	WOS	(1) European Spine Journal	WOS
(1) GeroScience	WOS	(1) PeerJ	WOS

(1) Pathology WOS

(1) New England Journal of Medicine WOS