





Contents

Message Ironi the nead	
PolyU Events	2
HTI Seminars and Events	4
Student Exchange	9
Awards and Scholarships	11
Employment Status of Graduates of 2017-18	18
Academic Exchange/ Research Collaboration	19
Other Visits	20
Activities for Secondary Schools	21
Media Coverage	23
Sharing by HTI Students	24
Sharing by Student Ambassador of Radiography	26
Publications	27
Grants	31
Sharing by New HTI Academic Staff	33

Department of
Health Technology
and Informatics (HTI)
2017-18

Activities and Achievements





Message from the Head

Time flies! It is now almost three years since I first took up the Headship of HTI in January 2016. As my second term as Head of Department is just around the corner, I would like to take this opportunity to highlight some important milestones we have achieved in the past three years.

In Teaching:

- The annual student intake for both of our undergraduate programmes has increased: from 44 to 54 for BSc(Hons) in Medical Laboratory Science (MLS), and from 98 to 110 for BSc(Hons) in Radiography.
- A total of \$ 28.7 million was invested to remodel our teaching and research laboratories to cater for increased student numbers and research activities.



- Four specialisms in the Postgraduate Scheme in Health Technology were introduced: one specialism (Molecular Diagnostics) for MSc in MLS and three specialisms (Computed Tomography, Magnetic Resonance Imaging, and Ultrasonography) for MSc in Medical Imaging and Radiation Science.
 - Of note, MSc in MLS (Molecular Diagnostics) is currently the only local MSc programme recognised as an academic qualification in molecular genetics required for signatories of molecular tests (in addition to other requirements and interview) in accredited clinical laboratories.
 - With successful bidding of additional places, a highly sought-after MSc specialism, Medical Physics, will be offered in the coming year.
- Eight high-calibre academic staff (2 Associate Professors and 6 Assistant Professors or Research Assistant Professor) were recruited: three for MLS, one for Faculty-based Strategic Research Area, and four for Radiography.

In Research:

- Tremendous improvement in securing external competitive research grants: a total of 13 grants amounting to \$17.1 million in the 2017/18 financial year. For General Research Fund (GRF) and Early Career Scheme (ECS) in particular, the success rate increased from 7.1% to 33.3%, which is the first time that HTI has overshot PolyU's overall success rate (32.3% for 2018). This year, we are ranked top 10 in success rate and funding amount among 29 departments and schools within PolyU.
- The number and quality of SCI-indexed publications improved significantly: from 35 to 61 in terms of number, and from 3.411 to 4.862 in terms of average impact factor.
- Successfully secured four PhD students under the prestigious Hong Kong PhD Fellowship Scheme.

With the collaborative effort of our colleagues and students, the Department will reach new heights in teaching and research in the coming 3 years.

Head and Professor Shea Ping Yip



PolyU Events

PolyU Education Info Day for Undergraduate Programmes
30 September 2017

PolyU Info Day for Taught Postgraduate Programmes 13 January 2018 PolyU JUPAS Consultation Day 2018:
Admissions Strategies
19 May 2018

Every year, PolyU organizes various Info and Consultation Days on campus to provide HKDSE students, JUPAS applicants, career teachers and the general public with first-hand information on its undergraduate and taught postgraduate programmes.

In 2017-18, a number of information seminars, consultation sessions, laboratories visits, and demonstration sessions were delivered by HTI to give visitors in-depth information on the following programmes, and sharing on campus life experiences during the Info and Consultation Days:

- Master of Science in Medical Laboratory Science
- Master of Science in Medical Imaging & Radiation Science
- Bachelor of Science (Honours) in Medical Laboratory Science
- Bachelor of Science (Honours) in Radiography













PolyU 80th Anniversary Open Day 2-3 December 2017









PolyU 23rd Congregation - Faculty of Health and Social Sciences 24 October 2017

The 23rd Congregation (Faculty of Health and Social Sciences) was held to confer the academic awards to graduates of the Faculty who have successfully completed their undergraduate or postgraduate study at PolyU in the academic year 2016/17.





HTI Seminars & Events

HTI Research Seminars 2017-18

Prof. Daniel CHIU

Department of Medical Biotechnology & Laboratory Sciences, Chang Gung University, Taiwan

Department of Pediatric Hematology, Chang Gung Memorial Hospital, Taiwan

05 September 2017



Prof. Kwong Kwok WONG

Department of Gynecologic Oncology and Reproductive Medicine, Division of Surgery, The University of Texas MD Anderson Cancer Center, USA

10 October 2017



Prof. Ekaterina DADACHOVA

College of Pharmacy and Nutrition, University of Saskatchewan, Canada

07 September 2017



Prof. Yi Jang LEE

Department of Biomedical Imaging and Radiological Sciences, National Yang-Ming University, Taiwan

12 October 2017



Prof. Juan Carlos SÁEZ

Departamento Fisiología, Pontificia Universidad Católica de Chile, Santiago, Chile

Dominick P. Purpura Department of Neuroscience, Albert Einstein College of Medicine, Yeshiva University, Bronx, N.Y.,USA

28 November 2017







Dr Mats BEMARK

Department of Microbiology and Immunology, Institute of Biomedicine, University of Gothenburg, Sweden Sahlgrenska University Hospital, Sweden

23 April 2018



Prof. Richard PRICE

Immediate Past Dean of School of Health and Social Work; Emeritus Professor of Radiography, University of Hertfordshire, United Kingdom

25 May 2018



Prof. Philipp KAPRANOV

Institute of Genomics, School of Biomedical Science, Huaqiao University, China

01 June 2018

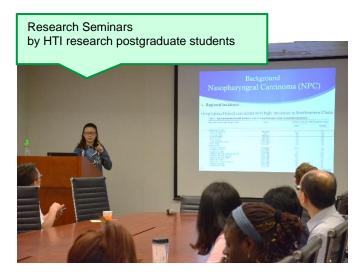


Prof. John GREENMAN

School of Life Sciences, Faculty of Health Sciences, University of Hull, United Kingdom

27 June 2018









HTI Mini Symposium on Magnetic Resonance Imaging in Radiation Therapy 25 January 2018







HTI Orientation Day 30 August 2017



Long Service Award 2017 31 January 2018



HTI Postgraduate Symposium 15 June 2018









MLS White Coat Ceremony 3 October 2017







Career Talk 18 May 2018













Award Ceremonies for HTI Graduates 31 May & 1 June 2018

Medical Laboratory Science



Radiography



HTI Retreat 8 June 2018











Festive Celebrations









Student Exchange

Inbound Exchange

BSc (Hons) in Medical Laboratory Science

- Curtin University of Technology, Australia
- Glasgow Caledonian University, UK
- IMC Krems, University of Applied Sciences Krems, Austria
- Western Norway University of Applied Sciences, Norway





BSc (Hons) in Radiography

Shantou University, Shantou, China



Outbound Exchange

BSc (Hons) in Medical Laboratory Science

- Chang Gung Memorial Hospital, Taiwan
- Glasgow Caledonian University, UK
- IMC Krems, University of Applied Sciences Krems, Austria
- Kaohsiung Medical University Chung-Ho Memorial Hospital, Taiwan
- KingMed Diagnostics Laboratories, Guangzhou, China
- National Cheng Kung University Hospital, Taiwan
- National Taiwan University Hospital, Taiwan
- National Yang Ming Medical University Hospital, Taiwan
- SA Pathology (Transfusion Medicine, FMC), South Australia
- Tung Ren Hospital, Beijing, China

BSc (Hons) in Radiography

- Shantou University, Shantou, China
- Sichuan University, Chengdu, China
- Sun Yat-sen University, Guangzhou, China





Summer@OxBridge 2018

Summer@OxBridge 2018 was opened to universities worldwide. It was a summer programme conducted in University of Cambridge and University of Oxford.

This year, 30 PolyU students were accepted and sponsored for the Summer@Cambridge and Summer@Oxford programmes. Out of these 30 PolyU students, two were from BSc (Hons) in Radiography (RAD) programme.



Tse Ka Yan, Theresa (Yr 3 Medical Imaging) and Chan Ching Long, Darren (Yr 2 Medical Imaging) joined the 8-week Pembroke-King's Programme at the University of Cambridge this summer.







UG Summer Research Abroad Scholarship 2017/18

Lai King Hei, Herman (Yr 3 Medical Laboratory Science) joined the 6-week research programme at the Oxford Endometriosis Care and Research (CaRe) Centre of University of Oxford in UK this summer.



Visit to Sichuan University West China Hospital Radiation Oncology Centre









Awards and Scholarships

Awards / Prizes

BSc (Hons) in Radiography

Outstanding Student Award, Department of Health Technology and Informatics, 2017

ONGKY Anita Medical Imaging

The Radiography Alumni Association Award - The Best Improvement Student of Year 2

MAN Hung Hing Jeremy Radiation Therapy

Hong Kong Association of Radiation Therapists Award - The Best Improvement Student of Year 3

CHEUNG Yui Him Brian Radiation Therapy

Hong Kong Association of Radiation Therapists Award - The Best Performance in Objective Structured Clinical

Examination

TSANG Ho Kwan

YUEN Chi Leung

HUNG Wai Chung

Best in Medical Imaging

Best in Radiation Therapy

Good in Medical Imaging

Hong Kong College of Radiographers and Radiation Therapists Award - The Best and Good Final Year Project

Poster

Best

Group 5 (Medical Imaging)

CHEUNG Sze Nga LO Wai Tung LAM Yan Yue LAI Tsz Fung MOK Yin Chung LAU Ka Hei

Good

Group 7 (Medical Imaging)

CHENG Yi Hong CHEUNG Kam Ching CHEUNG Ni NG Wai Kit, Chris PO Hiu Lam, Agnes YUNG Ho Yin

Group 12 (Medical Imaging)

CHEUNG Wai Lap HUNG Wai Chung LAM Ka Leung NG Man Ki PAK Long Ten WONG King Yin

Hong Kong Radiographers' Association Award - The Best Student in BSc (Hons) Radiography

ONGKY Anita Medical Imaging YUEN Chi Leung Radiation Therapy





Awardees for the Best Students in Subjects

BSc (Hons) in Medical Laboratory Science

Award	Awardee(s)
Book Prize from The Hong Kong Society of Clinical Chemistry for the Best Student in Clinical Chemistry	KEE Ka Yee
Book Prize from The Hong Kong Society for Molecular Diagnostic Sciences Limited for the Best Student in Molecular Biology in Medicine	FU Pik Yuk
Book Prize from The Hong Kong Society for Molecular Diagnostic Sciences Limited for the Best Student in Molecular Diagnosis of Human Disease	LI Hin Hazel
HKAML Award from The Hong Kong Association of Medical Laboratory Limited for the Best Student in Honours Projects	YEUNG Yuk Lam

BSc (Hons) in Radiography

Subject	Award	Awardee(s)
Clinical Studies (Medical Imaging)	Best Award Highly Commended Award	KWONG Chung Ki Godfrey CHAN Chong Wai CHEUNG Wai Lap CHUNG Ni KWAN Long Marco TSANG Ho Kwan
Clinical Studies (Radiation Therapy)	Best Award Highly Commended Award	CHEUNG Hiu Man YUEN Chi Leung
Computed Tomography (Medical Imaging)	Best Award Highly Commended Award	AU Wing Shan CHEUNG Wing Sze Christine CHUNG Ni LAM Wai Sze Ivy LEE Chun Kiu TSANG Chi Yim
Imaging Informatics	Best Award Highly Commended Award	CHUNG Ni CHAN Ho Yan CHONG Wing On HUNG Wai Chung LOUIE Hong Yin Honcent NG Yan Yue
Imaging in Radiotherapy	Best Award Highly Commended Award	YUEN Chi Leung LAM Yu Lap
Magnetic Resonance Imaging (Medical Imaging)	Best Award Highly Commended Award Highly Commended Award Highly Commended Award Highly Commended Award	LAM Hoi Chun CHAN Tsun Kit MAN Krystal Tsz Ching WONG Chun To YUEN Chun Hei
Magnetic Resonance Imaging (Radiation Therapy)	Best Award Highly Commended Award	CHAN King Lok CHUNG Tsz Hei





BSc (Hons) in Radiography (cont'd)

Subject	Award	Awardee(s)
Medical Imaging Studies III	Best Award Highly Commended Award	CHEUNG Wing Sze Christine AU Wing Shan CHOW Ming Ki HUNG Wai Chung TSANG Chi Yim WONG Po Yi
Project	Best Award Highly Commended Award	CHEUNG Sze Nga CHAN Man Hin LAM Yan Yue LOUIE Hong Yin Honcent ONGKY Anita YUEN Chi Leung
Radionuclide Imaging	Best Award Highly Commended Award	CHEUNG Wing Sze Christine AU Wing Shan CHOW Ming Ki CHUNG Ni HUNG Wai Chung ONGKY Anita
Radiotherapy Equipment & Dosimetry	Best Award Highly Commended Award	YUEN Chi Leung CHAN Kit Shing
Radiotherapy Patient Management	Best Award Highly Commended Award	WONG Chi Shun YUEN Chi Leung
Radiotherapy Studies IV	Best Award Highly Commended Award	YUEN Chi Leung CHAN Kit Shing
Special Cancer Therapy	Best Award Highly Commended Award	YUEN Chi Leung CHEUNG Hiu Man
Ultrasonography	Best Award Best Award Highly Commended Award Highly Commended Award Highly Commended Award Highly Commended Award	ONGKY Anita AU Wing Shan CHAN Chong Wai CHEUNG Wing Sze Christine MOK Kiu Hoi NG Ki Wah Timmy
Vascular & Interventional Radiology	Best Award Best Award Highly Commended Award Highly Commended Award Highly Commended Award	CHAN Chong Wai CHUNG Ni ONGKY Anita PUN Chung Po YEUNG Sze Chai





Scholarships

BSc (Hons) in Medical Laboratory Science

Scholarship	Awardee(s)	
CEO Club Scholarship	WONG Wing Yan	
Fung Scholarship	YEUNG Yuk Lam	
HKSAR Government Scholarship	KWONG Lok Sze Ivy LEUNG Wan Fei Christine LI Hin Hazel NG Tsz Wai	TSE Ka Wai WONG Wing Yan YEUNG Yuk Lam
HKSAR Government Scholarship Fund – Reaching Out Award	CHAN Chui Hei FU Pik Yuk LEE Ho Ching Edmond MAN Ho Ching	NG Tsz Huen TAM Tsz Yan WONG Chun Hei WONG Wing Yan
HKSAR Government Scholarship Fund - Endeavour Merit Award	NG Ka Yuet LEUNG Cheuk Ying	YIP Cheuk Yi
HKSAR Government Scholarship Fund – Talent Development Scholarship	TOH Jia Cheng	
HOU Wan Chuen Scholarship for Medical Laboratory Science	CHAN Chun Yin	NO Cheuk Yan Cherny
HSBC Hong Kong Scholarship	WAN Ching Mei HSBC Scholare Day 2018	
Kelvin Wong Service-Learning Scholarship	SHIU Hin Sing	
Kelvin Wong Service-Learning Scholarship Michael Shum Scholarship	SHIU Hin Sing LI Hin Hazel	
Michael Shum Scholarship	LI Hin Hazel	LEUNG Cheuk Ying WONG Hei Man
Michael Shum Scholarship Multi-faceted Excellence Scholarship	LI Hin Hazel CHAN Tin Mei Tammy CHOW Sze Yuen	_
Michael Shum Scholarship Multi-faceted Excellence Scholarship PolyU Community Service Fund Service-Learning Scholarship	LI Hin Hazel CHAN Tin Mei Tammy CHOW Sze Yuen LEE Yan Ying	_





BSc (Hons) in Medical Laboratory Science

Scholarship	Awardee(s)	
The Hong Kong Polytechnic University Entry Scholarship (Academic)	CHAN Chun Yin CHAN Kit Chun CHAN Man Yan CHAN Ming Tak CHAN Tin Cheuk CHAN Tsz Ning CHEUNG Ka Wai CHEUNG Lok Yin CHEUNG Yin Ling CHU So Yi FAN Tze Wing FOK Wan Man FUNG Hiu Yan HO Kai Lim KUNG Wai Hing KWONG Ming Yeung LAM Hoi Ching LAM Hoy Chun Keith LAM Wing LEE Ka Yan LEUNG Po Yui	LEUNG Wai Fung LI Ka Hing LI Ka Leong LI Wui Man LO Ho Ching NG Ka Yuet NO Cheuk Yan Cherny TANG Hong Yiu TSANG Tsz Kiu TSUI Fong Wai WAN Ching Mei WONG Chun Yin WONG Ka Fai WONG Lok Yee WONG Yi Huen WONG Yuen Kei YAN Bo Kei YIP Cheuk Yi YIP Man Fung YIP Man Tung
Tigris Education Fund - Medical Laboratory Science Student Scholarship	WONG Yat Chun	





BSc (Hons) in Radiography

Scholarship	Awardee(s)
CEO Club Scholarship	TO Kwor Wan
Dr Chan Leung Cho Scholarship – The Best Year 3 Student in BSc (Hons) Radiography – Radiation Therapy	FUNG Wai Yin Maggie
Fuji Radiography Award	ONGKY Anita
Hang Oi Charitable Foundation Service-Learning Scholarship	WONG Po Yan
Hang Seng Bank Community Service Scholarship	WONG Yuk Kwong
HKSAR Government Scholarship	AU Wing Shan ONGKY Anita LAM Wai Sze Ivy TO Lok Hang
HKSAR Government Scholarship Fund – Reaching Out Award	CHAN Ching Long ONGKY Anita
HKSAR Government Scholarship Fund – Talent Development Scholarship	CHO Ming Kiu NG Natalie LAU Yuen Ying TO Hoi Ying LO Wai Tung WONG Hon Sing
Hong Kong Jockey Club Scholarship	WONG Yuk Kwong
Innovation and Technology Scholarship Award	AWARD PRESENTATION CEREMONY 創新科技獎學金計劃頒獎典禮 2018
Lee Hysan Scholarship for overseas exchange, USA	TANG Yuk Kuen
Shun Hing Education and Charity Fund Sports Scholarship	YEUNG Sze Chai
The Hong Kong Polytechnic University Scholarship	CHAN Ching Long





BSc (Hons) in Radiography (cont'd)

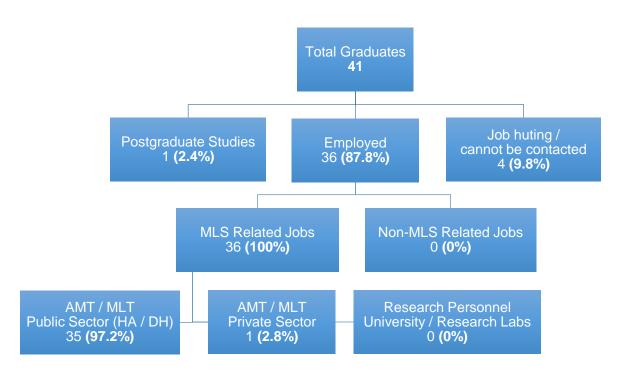
Scholarship	Awardee(s)	
The Hong Kong Polytechnic University Entry Scholarship	CHAN Mei Sin	LEE Tsz Ching
(Academic)	CHAN Pak Hei	LEUNG Ka Chun
	CHAN Po Shun	LEUNG Suet Yee
	CHAU Kwok Fung	LI Po Ying Angel
	CHEE Wing Hei	LO Chi Fung
	CHENG Ka Ming	LUK Chi Ho
	CHEUNG Chun Yin Jerry	LUK Chun Fung
	CHEUNG Ho Yin	MA Chun Fai
	CHEUNG Hoi Yan	MAK Siu Hong
	CHEUNG Pak Kin	MAN Yik Lok
	CHOW Yan Kate	MAN Yin Ting Eunice
	CHUNG Tak Yu	MO Ho Fai
	HUI Man Hei Aidan	NGAI Ka Hei
	HUNG Cheuk Wing	PANG Kwok Pan
	HUNG Chi Hin	PANG Nok Hei
	KOO Tsz Fung	SHEK Ka Hei
	KWOK Man Fung	SIT Wing Kei
	KWOK Man Kit Keith	SO Chi Wang Benjamin
	LAI Ngo Yin	SUM Hin Yau
	LAU Cheuk Ting	TAM Hiu Ching
	LAU Hong Chit	TANG Kin Fu
	LAU Tin Ming	TSE Man Long
	LEE Fung Lui	WONG Hung Kit
	LEE Ka Man	WONG Po Tsz
	LEE Lap San	WONG Tin Long
	LEE Man Hin	YAM Ho Kan
	LEE Siu Ki	YEUNG Chi Kin
	LEE Sze Hang Sharon	YU Man Yan



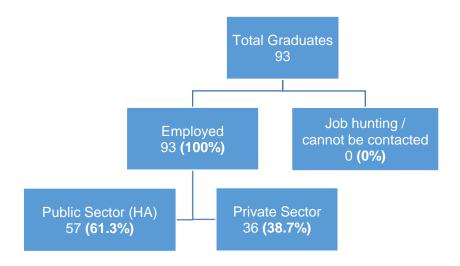


Employment Status of Graduates of 2017-18

Employment status of graduates BSc(Hons) in Medical Laboratory Science 2018 (as of 2 August 2018)*



Employment status of graduates BSc(Hons) in Radiography 2018



AMT : Associate Medical Technologist MLT : Medical Laboratory Technologist

HA: Hospital Authority
DH: Department of Health

(Data collected in August 2018)





Academic Exchange/ Research Collaboration

The Department has been striving for academic and research excellence in biomedical science, radiation science and medical imaging. We have established collaboration bridges with institutions and renowned scholars around the world to facilitate academic exchanges and research collaborations.











Other Visits







15 January 2018



Visit by Hospital Authority Strategy and Planning Division

27 February 2017



Visit by Food and Health Bureau

02 March 2018







Activities for Secondary Schools 2017-18

Ying Wa Girl's School 10 November 2017



Heep Yunn School 29 November 2017



Diocesan Boys School 31 January 2018



STFA Lee Shau Kee College 28 February 2018



STEM Lecture Series 16 March 2018



Queen's College 07 May 2018





District-based Seminar

24 March 2018



PolyU Summer Programme – HTI

13 July 2018













Average HKDSE Admission Scores* for HTI Programmes in 2016, 2017 and 2018 *Information provided here is the HKDSE examination results of offered applicants in JUPAS main round admission

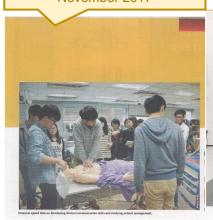
Adminsion Voor	Average HKDSE Score Total (Ranking^) (Any Best 5 subjects)		
Admission Year	BSc(Hons) Medical Laboratory Science (JUPAS Code: JS3478)	BSc(Hons) Radiography (JUPAS Code: JS3612)	
2018	28.7 (2 nd)	27.6 (4 th)	
2017	29.3 (2 nd)	28.3 (4 th)	
2016	28.4 (3 rd)	28.2 (4 th)	

^ Ranking among all PolyU degree programmes

Media Coverage

SCMP Young Post

November 2017











TV programme "杏林在線" - NowTV

April 2018







Sharing by HTI Students

WONG Yat Chun Medical Laboratory Science

In August 2017, I began my 6-month volunteer journey to Sri Lanka, serving in United Nations Volunteers Sri Lanka. My main role was to initiate and manage a training-of-trainers programme targeted at local youths, equipping them with skills and passion to transfer knowledge in their community. The programme focused on promoting volunteering actions to achieve the Sustainable Development Goals (SDGs). I took up the role as a trainer and organized an SDG training workshop, as well as developing a Toolkit for Trainers to build their capacity in terms of knowledge and facilitation skills.

It is my pleasure to note that the young trainers were self-motivated to spread messages and values upheld by UN so that more people can be influenced to commit to volunteerism. I am also glad that through the active discussions in the training workshop, I became more aware of the social issues in Sri Lanka and subsequently offered solution to the pressing problems.

Apart from fulfilling my duties at work, I also acquired extra knowledge with the use of online learning platforms offered by the UN. A course about global health and humanitarianism was a learning opportunity that I particularly treasure, as the topic features a good connection between my academic discipline in healthcare and my volunteer position in the development sector.

Overall, the experience of volunteering in Sri Lanka has strengthened myself to work in a multicultural environment and learn how people from different backgrounds interact and communicate. More importantly, it was a valuable opportunity for me to contribute to peace and development through education and advocacy.







Cherry LAU Radiography

I would like to express my sincere gratitude to be nominated by HTI and it is my greatest honour to become one of the awardees of the Innovation and Technology (IT) Scholarship Award Scheme 2018.

Not only does this IT Scholarship Scheme offer me abundant opportunities to explore medical imaging and innovations of healthcare technology at different overseas institutions, without setting a limit of what a radiography student can study and involve in, the Scheme has also granted me the honour to be the mentee of Professor Timothy Kwok, who is a distinguished geriatrician for his contributions in dementia interventions as well as osteoporosis care and control.

Apart from that, each year scholars are given chances to plan and participate in community services which aim to stimulate the young generation's interest in science and technology. It is a great platform bringing ingenious students from diverse science and technology background together to collaborate to create enthralling and interactive workshops.

Having a keen interest in the nuclear medicine and oncology, I aspire to engage in the clinical research with the generous support from the Scheme and learn more about the state-of-the-art development of this aspect. I believe that experiences gained in the coming year not only equip me with proficiency and knowledge about radiography, but also ignite my passion to pursue it as a lifelong career. Overall, I am thrilled to leap and seek valuable opportunities to challenge myself in learning the most out of this journey and influencing young minds, with an ultimate goal of delivering more holistic healthcare services and developing innovative solutions so as to benefit more patients in Hong Kong.

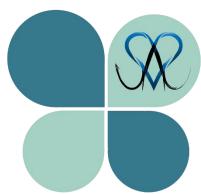






Sharing by Student Ambassador of Radiography





Facts

- Established in June 2017
- Endorsed by the Department of Health Technology and informatics of PolyU
- Co-founded by a group of ten current students in BSc. (Hons) Radiography
- 3 core teams (Public Awareness; Academic Enrichment and Student Outreach)
- Honorary Advisors: Dr Shara Lee, Ms Gigi Tung and Mr Bobby Shiu

[PUBLIC EDUCATION]

To educate the general public about the Radiography profession and health-related

Student Ambassador

It has been a year since the establishment of the Student Ambassador of Radiography (SAR). Serving our fellow Radiography students, contributing to our profession and making positive impacts on our society have long been our commitment. The numerous milestones could not have been possible without the faith put into and generosity shown to us by the various parties including universities, hospitals, companies, honorary advisors

of Radiography

[ADMISSION INFO]

Mission

To provide useful and up-to-date information relevant to PolyU Radiography course admission and career prospects.

[SOCIAL CONSCIOUSNESS]

To raise the social consciousness of Radiography students and unleash their potentials through active contribution to society.

[ALLIED HEALTH COMMUNITY]

and, of course, fellow students.

To consolidate the sense of belonging of Radiography students towards the allied health community and society.

[INTERDISCIPLINARY COOPERATION]

To strengthen the interdisciplinary cooperation amongst allied health professions.

Public Awareness Team

aims to provide fellow radiography students opportunities to make contribution to the society with our relevant knowledge and skills.

- Photo booth on the World Hospice Day: to promote palliative care to cancer patients.
- 'Student Ambassador around PolyU Clinic": to educate the public about Radiography and explain common radiological examinations to patients.
- 1-day volunteer service at an elderly centre during the Chinese New Year: preparing some games and performance to share the joy of the festival.





Academic Enrichment Team aims to enrich the learning experience of fellow students and aid them in career planning.

- Visit to Bayer Healthcare Ltd: exploring the industry of contrast agent commonly used in RD and alternative career path beyond clinical setting.
- Job-shadowing programme at St. Teresa's Hospital Scanning Department: exposure to the working environment and facilities in private hospitals.
- Co-organized Taiwan Study Tour with National Yang-Ming University: hospital visits at VGHTPE, sample lectures, peer-learning workshop and cultural exchange.

Student Outreach Team aims to introduce and promote the Radiography programme to prospective applicants.

- Delivered school talks at 9 secondary schools throughout the year: to provide students with the most updated information about the degree programme and career prospect.
- Information booth at the university fairs organized by SSRS: to promote Radiography and assist students in career planning through consultation and information distribution.







Publications

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^{*}HTI staff members are shown in orange. "IF" stands for Impact Factor.





Grants

Internal Grants

Internal Grant for General Research Fund (GRF) / Early Career Scheme (ECS) Proposals Rated 3.5 in the 2017-18 Exercise:

Funding Source	Principal Investigator	Co- Investigator (from PolyU)	Project Title	Funding Supported by Central	Funding Supported by Department
Central Research Grant and	Dr CHAN Wing Chi	Dr WONG Sze Chuen Cesar	Ontological Fingerprinting of Electronic Health Record	HK\$105,000	HK\$18,502
	Dr HUANG Chien-Ling	Prof. YIP Shea Ping	Exploring the Role of JAK2- mediated LncRNAs in Myeloproliferative Neoplasms	HK\$105,000	HK\$18,502
Departmental GRF	Dr MA Chun Hang		Novel Regulatory Role of ARRDC3 in Leukemic Cell Metabolism	HK\$105,000	HK\$18,502
	Dr ZOU Xiang		Regulation of Mast Cell Tissue Persistence by Fc Receptors	HK\$105,000	HK\$18,502
Departmental GRF and One-line Budget	Dr WONG Sze Chuen Cesar		The Diagnostic Significance of a Targeted Plasma nCounter Developed Non-invasive Marker Panel in Colorectal Cancer Patients		HK\$123,502
	Dr YING Tin Cheung		Computer-aided Segmentation of Lymph Node in Ultrasound Image Using Deep Learning Model		HK\$123,500
Griffith University (Health) and The Hong Kong Polytechnic University (FHSS) Collaborative Research Grants Scheme 2017	Dr HUANG Chien Ling		Direct photoreceptor differentiation of human mesenchymal stem cells by manipulating miRNA-IncRNA-mRNA triplet	HK\$120,000	
The Hong Kong Polytechnic University Postdoctoral Fellowships Scheme 2017	Prof. YIP Shea Ping	Dr HUANG Chien-Ling	Molecular and functional characterization of the novel miRNA-mRNA interactome in acute myeloid leukemia		HK\$630,000

Start-up Research Fund for New Recruits:

Funding Source	Principal Investigator	I Project Litle	
Dr CAI Jing		Development of a Novel Hybrid, Physiologically Optimized Deformable Image Registration Method for Advanced Radiotherapy	HK\$1,000,000
Departmental Start-up Fund	Dr CHEN Xiangyan	Neuroinflammatory Markers Predicting Progression of Symptomatic Intracranial Arterial Stenosis defined by High Resolution MRI	HK\$600,000
	Dr WONG Chi Ming	G-protein Couple Receptor GPR110 as New Therapeutic Target for Obesity-related Complications	HK\$600,000

^{*} The Start-up Research Fund <u>also</u> includes a PhD student for each new faculty.





External Grants

Funding Source	Principal Investigator	Project Title	Total Funding Supported
Collaborative Research Fund (CRF)	Dr CHENG King Yip Kenneth (co-PI)	Conversion of white into brown adipocytes as a therapeutic strategy for obesity-related metabolic and vascular complications	HK\$7,439,996
	Dr CAI Jing	Ultra-quality 4D-MRI for Stereotactic Body Radiation Therapy of Liver Cancer	HK\$720,887
	Dr SIU Kit Hang	Combined genomic and transcriptomic approach to elucidate the mechanism underlying enhanced intramacrophage survivability of hypervirulent Mycobacterium tuberculosis	HK\$931,824
General Research Fund (GRF)	Dr WONG Chi Ming	Deciphering the role of B lymphocytes in liver metabolic homeostasis	HK\$972,000
	Dr YOO Jung Sun	Terahertz wave irradiation promotes skin regeneration and new hair growths	HK\$899,100
	Dr ZOU Xiang	Uncovering the mystery behind mast cell subset persistence in tissues	HK\$868,956
Health and Medical Research Fund (HMRF)	Dr CHENG King Yip Kenneth	The oncogene MDM2 as a new mediator of obesity-induced nonalcoholic fatty liver disease	HK\$1,191,000
AIDS Trust Fund	Dr SIU Kit Hang Gilman	Real-time, portable nanopore-type sequencing for rapid HIV genotyping and drug resistance monitoring	HK\$948,432
ITF (ITSP Tier 3)	Dr SIU Kit Hang Gilman	Portable Nanopore Sequencing For Rapid Diagnosis Of Drug Resistant Tuberculosis (ITS/342/17) [(ITF: HK\$1,349,985 & Industry sponsorship: HK\$50,000)]	HK\$1,399,985
Shenzhen Basic Research Funding	Dr LIN Liang Ting	探讨三氧化二砷激活MSI1与应激颗粒相互作用抑制丝切蛋白及张力蛋白-3并破坏胶质母细胞瘤之移动与细胞骨架动态平衡 (CNY\$ 300,000)	HK\$360,000
Scheme 2018	Dr Zou Xiang	野生小鼠肺部肥大细胞的分析及其用于建立哮喘模型的研究 (CNY\$ 500,000)	HK\$600,000



Sharing by New HTI Academic Staff

Medical Laboratory Science

Dr WONG Chi MingResearch Assistant Professor

It is my great honour to be part of HTI as a Research Assistant Professor. My research interest is to explore new factors dysregulated in metabolic diseases. Kicking start in a completely new working environment is always a big challenge. I would like to use this opportunity to thank all colleagues from HTI for helping me adapt to the new environment and set up my lab.



Radiography

Dr Fiona CHENAssistant Professor

It is my great honour to join HTI! Here I'd like to express my sincere gratitude to all the colleagues who help me adapt to the new environment, especially those colleagues who shared their precious teaching experience generously.



Over the past years, I have been working in a clinical department at a public hospital and performing clinical studies through collaborating with clinicians, radiographers and other scientists from different research fields. After joining this fantastic department, I find that HTI itself is a multidisciplinary and energetic team including two main disciplines - radiography and medical laboratory science, and covering diverse research directions. In the past four months after joining HTI, I have learned a lot from other colleagues through daily communications, department retreat and research sharing, either in research or teaching aspect. I look forward to more opportunities of collaborating with other colleagues in HTI in the future.



The Hong Kong Polytechnic University Department of Health Technology and Informatics

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