

Peking University Third Hospital and Peking University
Academic Visiting Programme

Collaboration Partnership in Pharmacy Capacity Building

30-31 August 2018

Division of Pharmacy and Optometry,
School of Health Sciences
Faculty of Biology, Medicine and Health
University of Manchester





Introduction



Since I started my position as a senior lecturer in January 2017 at the University of Manchester, I have been motivated and inspired by the excellent and diverse research capacity at the University and the clear vision and leadership of the School to be involved in the University's internationalisation agenda. Through my previous network in Far East Asia, my colleague – Dr. Douglas Steinke and I have been to several Chinese institutes in the past two years, giving invited talks and exploring collaboration opportunities. We have been successfully linked to the Division of Pharmacy and Optometry at the University of Manchester with several higher education institutions in China to develop a further Pharmacy Capacity Building programme in China.

After the launch of the public health initiative "Healthy China 2030" in 2016, Chinese pharmacists are facing professional re-skilling. This initiative is driven by patient demand for high-quality care and changes to healthcare reimbursement. The healthcare reform requires the current workforce to upskill to be independent practitioners and develop a pharmacy workforce ready for primary care development. In particular, the initiative addresses public health concerns in rural areas, such as Xinjiang, the western gateway of the Road and Belt Initiative.

The Chinese Pharmacy Capacity Building programme includes developing and conducting high-quality pharmacy practice research, providing appropriate training, mentoring new researchers and collaborating with organisations to develop Chinese pharmacy practice guidance. Various events and activities have been discussed between the collaborators to facilitate the development of the programme, but what is needed is a face-to-face event that can further engage the academics and senior leadership teams from both the University of Manchester and collaborating institutions. We can then all reach an agreement on strategies and priorities that will further collaborations and exchanges between the two organisations.

The Chinese Pharmacy Capacity Building programme links with the University of Manchester's 2020 strategic plan through Goal 3: social responsibility and Strategy 5: an international institution. Our vision is to influence pharmacy practice (community pharmacy and hospital pharmacy) in China through collaborative pharmacy capacity building. The collaboration will share experiences and encourage development of strategies, policies and interventions to improve the health of the people of China using a trained and upskilled pharmacy workforce. Research and evaluation of the interventions and service outcomes will provide the evidence to decision makers that pharmacists can and do make a difference to patients.

This visiting programme is a networking event that aims to consolidate the collaborations between the University of Manchester and the academics at the Peking University Third Hospital and Peking University to further develop pharmacist capacity projects in China.



Introduction

The objectives of this visiting programme include:

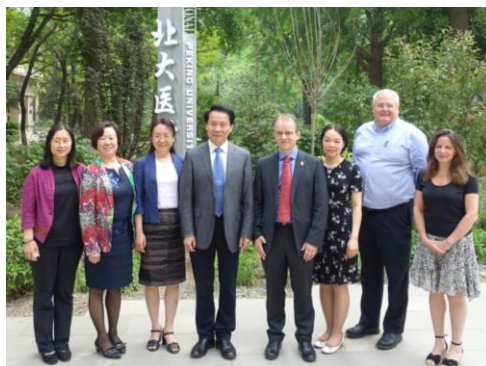
- To identify the priority pharmacy practice research areas/topics to initiate the collaboration
- To match research interests and expertise between academics in UoM and collaborating institutions
- To develop strategies for obtaining resources to sustain the collaborative projects.
- To agree on the teaching and training programmes that UoM will offer to facilitate the research development

This event is supported by the Confucius Institute at The University of Manchester through the Research, Impact, Collaboration, and Enrichment (RICE) scheme; and the Alliance Manchester Business School through the Health Services Research Centre Seedcorn Funding 2018.

I would like to thank all colleagues who supported or helped with organising and attending this event (named in the delegate list). Furthermore, I would also like to give my gratitude to Dr. Penny Lewis who helped to liaise and organise the hospital pharmacy visit, and Dr. Fay Bradley who helped to design the workshop. Finally, I hope you will all enjoy this event and develop the further collaboration links with the top Chinese Higher Education and Healthcare Institutions.

Lt Chia Chen

11/8/2018





VISITING AGENDA

01

Welcome dinner

18:00 - 20:00, 30/8/2018, Indian Tiffin Room
2 First St, Manchester M15 4RL

02

Introduction talks

9:00 - 10:15, 31/8/2018, Training room, G.223
Ground floor, Stopford Building, University of Manchester

03

Workshop discussion

10:30 - 12:30, 31/8/2018, Training room, G.223
Ground floor, Stopford Building, University of Manchester

04

Light lunch

12:30 - 13:30, 31/8/2018, Training room, G.223
Ground floor, Stopford Building, University of Manchester

05

Hospital pharmacist services

13:45 - 15:45, 31/8/2018, Pharmacy Department
Manchester University NHS Foundation Trust

06

Simulation in teaching

16:00 – 17:00, 31/8/2018, Training room, G.223
Ground floor, Stopford Building, University of
Manchester



INTRODUCTION PRESENTATIONS

9:00 - 10:15, 31/8/2018, Training room, G.223
Ground floor, Stopford Building, University of Manchester

01

Welcome and introduction

Professor Kay Marshall
Professor Jayne Lawrence
Professor Keith Brennan



02

Pharmaceutical science research

Professor Joanna Neill, *Division of Pharmacy and Optometry, University of Manchester.*
(10 minutes)

03

Pharmacy administration and clinical pharmacy research

Dr Xiaoyan Nie, *School of Pharmaceutical Science, Peking University.*
(10 minutes)

04

Pharmacy practice research

Dr Mary Tully, *Division of Pharmacy and Optometry, University of Manchester.*
(10 minutes)

05

Hospital pharmacy research

Ms Li Yang, *Peking University Third Hospital.*
(10 minutes)



WORKSHOP DISCUSSION

10:30 - 12:30, 31/8/2018, Training room, G.223

Ground floor, Stopford Building, University of Manchester

Participants to prepare two slides in advance; slide one for past research, slide two for future research.

01

Motivations and challenges in pharmacy practice research

Mr Alistair Gray, *East Lancashire Hospitals NHS Trust.*

Ms Li Yang, *Peking University Third Hospital.*

(5 minutes each)

02

Scoping research collaboration

All participants will discuss the past and future research areas and match each other's interests.

(20 minutes)

03

Case study

How can we establish the value of pharmacists' services?

What methods?

What data?

(20 minutes; Discussing the case scenario on page 6)

04

Resources and funding for future research collaborations

All participants will discuss the strategic approaches to draw resources and funding to support future research collaborations.

(20 minutes)

05

Feedback and summary

Dr Li-Chia Chen and Dr Sarah Willis will summarise and collate the feedback from each group.

(20 minutes)



WORKSHOP GROUP AND SCENARIO

10:30 - 12:30, 31/8/2018, Training room, G.223
Ground floor, Stopford Building, University of Manchester

G1

Suodi Zhai
Xiaoyan Nie
Huibo Li
Xiaotong Li

Sarah Willis
Douglas Steinke
Alistair Gray
Teng-Chou Chen

G2

Luwen Shi
Li Yang
Pengxiang Zhou

Mary Tully
Li-Chia Chen
Sally Jacob
Yu-Chia Ko
Delegate from East Lancashire
Hospitals NHS Trust

Case scenario

The efficient provision of healthcare services to maximise patient health outcomes is an emerging issue challenging most healthcare systems due to the constrained healthcare resources and increasing healthcare demands. Healthcare payers consistently evaluate the efficiency of healthcare providers and the cost-effectiveness of healthcare services. The value of the pharmacist workforce is also scrutinised.

- How can we establish the value of pharmacists' services?
- What methods?
- What data?



NHS PHARMACIST SERVICES

13:45 - 15:45, 31/8/2018, Pharmacy Department
Manchester University NHS Foundation Trust

01

Meet up with pharmacists

Dr Li-Chia Chen, Mrs Mehvosh Akhtar, Mr Afzal Khan

13:45 – 14:00

The entrance of the Eye Hospital

02

Session 1 of observation

Group 1 to the Renal Unit with Mrs Mehvosh Akhtar

Group 2 to the Admission Unit with Mr Afzal Khan

14:00 – 14:30

03

Session 2 of observation

Swap the groups.

Mrs Mehvosh Akhtar walks Group 1 over to admissions and take Group 2 back to the Renal Unit.

14:30 – 15:00

04

Pharmacists' involvement in the ESMOS

Mrs Mehvosh Akhtar and Mr Afzal Khan will take their groups to the Pharmacy Department to meet with Debra Morris to discuss the Enhanced Surgical Medicines Optimisation Service (ESMOS).

15:00 - 15:15

05

Meet the Chief Pharmacist

Mr Richard Hey will give a briefing to the group.

15:15 – 15:45

Dr Li-Chia Chen will walk the group back to the University from 15:45.



VISITING THE HOSPITAL PHARMACY

13:45 - 15:45, 31/8/2018, Pharmacy Department
Manchester University NHS Foundation Trust

G1

Suodi Zhai
Xiaoyan Nie
Huibo Li
Xiaotong Li

Teng-Chou Chen

G2

Luwen Shi
Li Yang
Pengxiang Zhou

Yu-Chia Ko
Jayne Lawrence

Hospital Pharmacists

- **Mrs Mehvosh Akhtar**, *Specialist Medical Education & Renal Pharmacist, Manchester University NHS Foundation Trust*
- **Mr Afzal Khan**, *Clinical pharmacist for Urgent care, Manchester University NHS Foundation Trust*
- **Ms Debra Morris**: *Specialist Pharmacist, Enhanced Recovery (ESMOS), Manchester University NHS Foundation Trust*
- **Mr Richard Hey**, *Joint Chief Pharmacist, Manchester University NHS Foundation Trust*



DELEGATE LIST



Professor Suodi Zhai, *Former Chief Pharmacist of the Department of Pharmacy, Peking University Third Hospital; Director of Institute for Drug Evaluation, Peking University Health Science Centre.*

Professor Zhai is the crucial leader in pharmacy practice research in China and has developed many well-known clinical guidelines that influence reimbursement policies and clinical pharmacy practice. He is an Honorary Professor for the Faculty of Biology, Medicine and Health, School of Health Sciences, University of Manchester, and leads on the research collaborations between Peking University Third Hospital and the University of Manchester.



Professor Luwen Shi, *Director of the Department of Pharmacy Administration and Clinical Pharmacy, School of Pharmaceutical Sciences, Peking University. Director of International Research Center for Medicinal Administration, Peking University.*

Professor Shi is the senior leader in the School of Pharmaceutical Science and Peking University Health Science Centre. He also leads or involves in several local committees and national councils of pharmacy administration, pharmacoconomics, medical insurance and pharmaceutical education. His research areas are medicinal policy and law, drug pricing and reimbursement, pharmacoconomics, and behavioural medicines.



Ms Li Yang, *Chief Pharmacist, Associate Director of the Department of Pharmacy, Senior Clinical Pharmacologist, Peking University Third Hospital.*

Ms Yang is a senior leader in the Pharmacy Department who has 22-year experiences in clinical pharmacology research, hospital pharmacy and clinical pharmacy education. She is heavily involved in establishing and managing a laboratory and a Clinical Pharmacology Unit qualified for Good Laboratory Practice and Good Clinical Practice standards for phase-1 clinical trials. She is responsible for the pharmacy education and the research in the Pharmacy Department and in charge of the international collaboration of pharmacy education programmes with University of Kentucky College of Pharmacy.



Dr Xiaoyan Nie, *Assistant Professor in the Department of Pharmacy Administration and Clinical Pharmacy, School of Pharmaceutical Science, Peking University.*

Dr Nie is a clinical academic who practices as a clinical pharmacist in the Department of Cardiology, Peking University Second Hospital (People's Hospital). She also leads on several research projects on individualising medicine in coronary heart diseases funded by the Natural Science Foundation of China. Her research interests include personalised/precision medicine and pharmacogenetics, pharmaceutical care and rationalising medicine use; chronic disease management and health technology assessment; education and practice system of clinical pharmacy.



DELEGATE LIST



Ms Huibo Li, *Clinical Pharmacist, Teaching Secretary, Department of Pharmacy, Peking University Third Hospital. .*

Ms Li is a clinical pharmacist specialised in gastroenterology and obstetrics. Her research areas focus on evidence-based medicine and individualised drug therapy. She is the chief secretary of the rapid advice guideline for the pharmacological management of human albumin in patients with liver cirrhosis. Ms Li is interested in exploring the clinical pharmacists' service and training models in the UK. She is also interested in exploring the opportunities for taking a short visiting research programme (six months to one year) at the University of Manchester.



Mr Pengxiang Zhou, *Postgraduate Student, Department of Pharmacy, Peking University Third Hospital; Department of Pharmacy Administration and Clinical Pharmacy, School of Pharmaceutical Sciences, Peking University Health Science Centre.*

Mr Zhou is an outstanding postgraduate student supervised by Professor Suodi Zhai. His research expertise lies in the areas of clinical practice guideline development, health technology assessment, secondary database analysis and other evidence-based medicine research in the field of paediatrics. His work has been published in national and international conferences and obtained several awards. He is enthusiastic in developing his capacity in clinical practice and pharmacy practice research.



Miss Xiaotong Li, *Postgraduate Student, Department of Pharmacy, Peking University Third Hospital; Department of Pharmacy Administration and Clinical Pharmacy programme, School of Pharmaceutical Sciences, Peking University Health Science Centre.*

Miss Li is a distinguished postgraduate student with great enthusiasm in research and excellent organisation skills. Her research areas are round evidence-based medicine and pharmacoepidemiology and supervised by Professor Suodi Zhai. She liaised and organised a successful visiting programme for Dr Li-Chia Chen and Dr Douglas Steinke in May 2018. She is interested in pursuing a doctoral research opportunity at the University of Manchester.



DELEGATE LIST



Professor Kay Marshall, *Professor of Reproductive Endocrine Pharmacology, Head of the School of Health Sciences, Vice Dean of Faculty of Biology, Medicine and Health at the University of Manchester.*

Before her appointment to the Head of School, Professor Marshall was the Head of the Division of Pharmacy and Optometry and is interested in developing primary care pharmacy through action and education. Professor Marshall supports the initiatives of developing collaboratives in research and teaching with Peking University by nominating Professor Suodi Zhai as the Honorary Professor and visiting Peking University and Peking University Third Hospital in 2018 to consolidate the collaborative partnership.



Professor Jayne Lawrence, *Professor of Biophysical Pharmaceutics, Head of the Division of Pharmacy and Optometry at the University of Manchester.*

Professor Lawrence has been Head of Pharmacy and Optometry at Manchester University since July 2017. Before this Jayne, who is a pharmacist, was Professor and Head of Pharmaceutical Biophysics in the Pharmacy Department, King's College London and Chief Scientist at the Royal Pharmaceutical Society. Here she commented in the media on important pharmaceutical science issues including antimicrobial resistance, biologicals, biosimilars and patient safety. In addition Jayne has worked in community, hospital and industrial pharmacy. Her research is focused on improving the delivery of drugs and genes, with a special interest in increasing drug solubility.



Professor Keith Brennan, *Professor of Developmental Signalling, Associate Dean for Internationalisation (Teaching, Learning and Students) at the University of Manchester.*

Professor Brennan's research focuses on the roles of signalling pathways in the initiation of cancer and controlling cellular behaviours. As a member of the broader Faculty Leadership Team, Professor Brennan supports colleagues in the development and adaptation of degree programmes for an international market, as well as to develop a global student recruitment strategy and strategic links with international universities for undergraduate and postgraduate teaching opportunities.



Professor Joanna Neill, *Professor of Psychopharmacology, Division of Pharmacy and Optometry at the University of Manchester.*

Professor Neill has been researching psychopharmacology for almost 30 years, specifically in the area of development of preclinical models of psychiatric disorders. She is currently the immediate Past-President of the British Association for Psychopharmacology-BAP, she sits on the editorial board for the BAP's journal, the Journal of Psychopharmacology and was a panel member of the Research Excellence Framework by Higher Education Funding Council for England in 2014.



DELEGATE LIST



Dr Mary Tully, *Reader in Pharmacy Practice, Division of Pharmacy and Optometry at the University of Manchester.*

Dr Tully has a hospital pharmacy background. Her research focuses on the process and outcomes of prescribing in secondary care and public engagement/involvement in the use/linkage of health data for research. Until July 2018, she was the Director of Public Engagement for Connected Health Cities and co-lead for Public Engagement for Health eResearch Centre. Dr Tully works 10% of her time for the pharmacy department at Salford Royal Hospitals Foundation Trust. She is also a specialist advisor to Northwest NHS Research Design Service.



Dr Li-Chia Chen, *Senior Lecturer in Pharmacoepidemiology, Division of Pharmacy and Optometry at the University of Manchester.*

Dr Chen has a hospital pharmacy background, and her research expertise is in evidence-based medicine, pharmacoepidemiology, drug utilisation research, health economic evaluation and health service research. Dr Chen is involved in developing the collaborations between the University of Manchester and other Chinese institutions. She liaises and organises this visiting programme. Dr Chen is also leading on developing a Chinese Pharmacy Capacity Building programme and working closely with faculty at the Peking University Third Hospital.



Dr Douglas Steinke, *Senior Lecturer in Pharmacoepidemiology, Division of Pharmacy and Optometry at the University of Manchester.*

Dr Steinke has a community and hospital pharmacy background and has research expertise in pharmacoepidemiology, health economics, health services research and drug utilisation research. He has been to China on two occasions with Dr Li-Chia Chen to present pharmacy practice research at the Forbidden City International Pharmacists Forum (conference) and to give research seminars at the Peking University Third Hospital MSc in Clinical Pharmacy programme. Jointly, Dr Steinke and Dr Chen have initiated the development of research collaborations with faculty at the Peking University Third Hospital.



Dr Sarah Willis, *Senior Lecturer in Social Pharmacy, Division of Pharmacy and Optometry at the University of Manchester.*

Dr Willis is a social scientist who has worked in health services research for twenty years. Her interests are in pharmacy education and training; she has extensive experience in researching the pharmacy workforce, with a particular focus on the impact of education and training on capacity building. Dr Willis applies her expertise in applied social research to teaching research methods to undergraduate and postgraduate pharmacy students. Dr Willis is interested in seeking research collaboration in Pharmacy Capacity Building, and she is also involved in some pioneer research projects with Peking University Third Hospital led by Dr Li-Chia Chen.

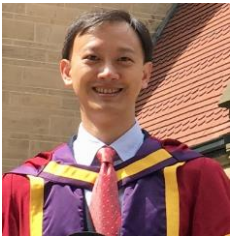


DELEGATE LIST



Dr Sally Jacobs, *Lecturer, Division of Pharmacy and Optometry at the University of Manchester.*

Dr Jacobs is a social scientist with over 20 years' experience in health services and pharmacy practice research. She has managed many multicentred, mixed methods studies on the organisation and delivery of a variety of primary and community health and social care services. Her interests lie in organisational behaviour in health care and its influence on workforce behaviour and the quality and safety of care. She has successfully delivered complex projects requiring diverse stakeholder engagement. She also chairs the Division's Patient and Public Advisory Board.



Dr Yu-Chia Ko, *Researcher at the Health Services Research Centre in Alliance Manchester Business School, the University of Manchester.*

Dr Ko recently received his PhD degree in Business and Management from the University of Manchester, while his doctoral research explored the role of government policy in the technological innovation of the UK's carbon capture and storage. Extending his research scope from innovation management and policy to health workforce and services, he is currently joining the UK-China collaborative project, led by Dr Li-Chia Chen and Professor Rong-Sheng Zhao, on the evaluation of the clinical pharmacy workforce and service.



Mr Teng-Chou Chen, *Research Associate, Division of Pharmacy and Optometry at the University of Manchester.*

Mr Chen has a hospital pharmacy background and his research expertise is in pharmacoepidemiology, drug utilisation research, evidence-based medicine and health economic evaluation. Mr Chen used both electronic health records from individual patients and aggregate-level datasets and statistics in the UK to quantify the association between opioid utilisation and opioid-related harms. Mr Chen is currently involved in a global opioid utilisation research which aims to identify key factors influencing quality use of opioids and will apply different data sources to quantify opioid use across countries.



Mr Alistair Gray, *Clinical Services Lead Pharmacist, Pharmacy Department of Royal Blackburn Teaching Hospital, at the East Lancashire Hospitals NHS Trust.*

Mr Gray is a devoted clinical practitioner who has led on several successful projects demonstrating the value and impact of hospital pharmacy services. He won the Royal Pharmaceutical Society's Improving Medicines Safety Award in 2012 and the North West Coast Research and Innovation Award in 2017 for his work on developing the 'Refer to Pharmacy' tool to improve patients' medication use after being discharged from hospital. He has also worked with Dr Sarah Willis and Dr Li-Chia Chen on a project evaluating the impacts of dedicated ward-based pharmacy services.