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*h*-index: 37 (Google Scholar)

4112 citations (Google Scholar)

*h*-index: 33 (Scopus)

3015 citations (Scopus)

Academic Qualifications	Degree		University	Date of Award
	GradCertEdStud (Higher Ed)		The University of Sydney, Australia	Mar 2022
	PhD		The University of Sydney, Australia	Sep 2007
	BPharm(Hons)		The University of Sydney, Australia	Mar 2002
Employment History	No	Position Held		From – To
	1	Senior Lecturer in Pharmaceutical Sciences, Sydney Pharmacy School, The University of Sydney, Australia		Jan 2023 – present
	2	Honorary Assistant Professor, Department of Pharmacology & Pharmacy, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong SAR		Aug 2017 – present
	3	Lecturer in Pharmaceutical Sciences, Sydney Pharmacy School, The University of Sydney, Australia		Jul 2017 – Dec 2022
	4	Assistant Professor, Department of Pharmacology & Pharmacy, The University of Hong Kong, Hong Kong SAR		Sep 2011 – Jul 2017
	5	Research Associate, Faculty of Pharmacy, The University of Sydney, Australia		Jun 2007 – Aug 2011
	6	Pharmacist-In-Charge (part-time), O'Reilly & Daly Chemist, Kogarah, Australia		Jan 2003 – Aug 2009
	7	Pharmacy Graduate Trainee, Day & Night Chemist, Ashfield, Australia		Dec 2001 – Jan 2003
	8	Pharmacy Assistant (part-time), Day & Night Chemist, Ashfield, Australia		Jun 1999 – Dec 2001
Publications	Original Papers			
	1) Rabia Cameron, Yasir Alhazmi, <b>Philip Chi Lip Kwok</b> , Bandana Saini (Accepted 15 August 2025) Climate conscious pharmacy practice: a qualitative interview study with pharmacists in the context of respiratory health care. <i>International Journal of Clinical Pharmacy</i> .			
	2) Ayu Lestari, Dipesh Khanal, <b>Philip Chi Lip Kwok*</b> , Hak-Kim Chan* (2025) Effect of L-leucine on the electrostatic charging of inhalable salbutamol sulfate powder aerosols. <i>International Journal of Pharmaceutics</i> 684:126106. (*Co-corresponding author)			
	3) Pancy Tsz Hei Kwong, Theerthankar Das, Jonathon Carl Arnold, Hak-Kim Chan, <b>Philip Chi Lip Kwok*</b> (2025) The anti-biofilm activity of cannabinoids against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Applied Microbiology</i> 136(9):lxaf214. (*Corresponding author)			
	4) Pancy Tsz Hei Kwong, Jonathon Carl Arnold, Hak-Kim Chan, <b>Philip Chi Lip Kwok*</b> (2025) Co-spray drying of cannabidiol and vancomycin combination powder formulations for the treatment of methicillin-resistant <i>Staphylococcus aureus</i> respiratory infections. <i>International Journal of Pharmaceutics</i> 683:126063. (*Corresponding author)			
	5) Waiting Tai, Dipesh Khanal, Jonathon Carl Arnold, Hak-Kim Chan, <b>Philip Chi Lip Kwok*</b> (2025) Solubilising and aerosolising cannabidiol using methyl $\beta$ -cyclodextrin and human serum albumin. <i>AAPS PharmSciTech</i> 26:120. (*Corresponding author)			
	6) Alex Seungyeon Byun, Luis Vitetta, Hak-Kim Chan, <b>Philip Chi Lip Kwok*</b> (2024) Respiratory delivery of <i>Lactocaseibacillus rhamnosus</i> GG by vibrating mesh and jet nebulization. <i>Pharmaceutics</i> 16(10):1326. (*Corresponding author)			
	7) Waiting Tai, Grace Tsz Yan Yau, Jonathon Carl Arnold, Hak-Kim Chan, <b>Philip Chi Lip Kwok*</b> (2024) High-loading cannabidiol powders for inhalation. <i>International Journal of Pharmaceutics</i> 660:124370. (*Corresponding author)			
	8) Waiting Tai, Jonathon Carl Arnold, Hak-Kim Chan, <b>Philip Chi Lip Kwok*</b> (2024) Spray freeze dried cannabidiol with dipalmitoylphosphatidylcholine (DPPC) for inhalation and solubility enhancement. <i>International Journal of Pharmaceutics</i> 659:124235. (*Corresponding author)			
	9) Zitong Shao, Waiting Tai, Yingshan Qiu, Rico Chi Hang Man, Qiuying Liao, Michael Yee Tak Chow, <b>Philip Chi Lip Kwok</b> , Jenny K W Lam (2021) Spray dried powder formulation of capreomycin designed for inhaled tuberculosis therapy. <i>Pharmaceutics</i> 13(12):2044.			
	10) Waiting Tai, Michael Yee Tak Chow, Rachel Yoon Kyung Chang, Patricia Tang, Igor Gonda, Robert B MacArthur, Hak-Kim Chan, <b>Philip Chi Lip Kwok*</b> (2021) Nebulised isotonic hydroxychloroquine aerosols for potential treatment of COVID-19. <i>Pharmaceutics</i> 13(8):1260. (*Corresponding author)			

- 11) Wei-Ren Ke, **Philip Chi Lip Kwok**, Dipesh Khanal, Rachel Yoon Kyung Chang, Hak-Kim Chan (2021) Co-spray dried hydrophobic drug formulations with crystalline lactose for inhalation aerosol delivery. *International Journal of Pharmaceutics* 602:120608.
- 12) **Philip Chi Lip Kwok**, Darson Dezheng Li, Patricia Tang, Luke Fincher, Effie Browne, Warren H Finlay, Hak-Kim Chan (2021) Generation and characterisation of electrostatically charged radiolabelled aerosols for lung scintigraphy. *Aerosol Science and Technology* 55(6):640-652.
- 13) Seng Han Lim, Sol Park, Chun Chuan Lee, Paul Chi Lui Ho, **Philip Chi Lip Kwok**, Lifeng Kang (2021) A 3D human upper respiratory tract model for particulate deposition profiling. *International Journal of Pharmaceutics* 597:120307.
- 14) Ahmed H Albariqi, Rachel Yoon Kyung Chang, Waiting Tai, Wei-Ren Ke, Michael Y T Chow, Patricia Tang, **Philip Chi Lip Kwok**, Hak-Kim Chan (2021) Inhalable hydroxychloroquine powders for potential treatment of COVID-19. *Journal of Aerosol Medicine and Pulmonary Drug Delivery* 34(1):20-31.
- 15) Wei-Ren Ke, Rachel Yoon Kyung Chang, **Philip Chi Lip Kwok**, Donghao Chen, Hak-Kim Chan (2020) Spray drying lactose from organic solvent suspensions for aerosol delivery to the lungs. *International Journal of Pharmaceutics* 591:119984.
- 16) Varsha Komalla, Venkata Sita Rama Raju Allam, **Philip Chi Lip Kwok**, Behjat Sheikholeslami, Louisa Owen, Adam Jaffee, Shafagh A Waters, Shiva Mohammad, Brian Gregory Oliver, Hui Chen, Mehra Haghi (2020) A phospholipid-based formulation for the treatment of airway inflammation in chronic respiratory diseases. *European Journal of Pharmaceutics and Biopharmaceutics* 157:47-58.
- 17) Qiuying Liao, Ivan C H Lam, Hinson H S Lin, Leon T L Wan, Jason C K Lo, Waiting Tai, **Philip C L Kwok**, Jenny K W Lam (2020) Effect of formulation and inhaler parameters on the dispersion of spray freeze dried voriconazole particles. *International Journal of Pharmaceutics* 584:119444.
- 18) Rachel Yoon Kyung Chang\*, **Philip Chi Lip Kwok\***, Dipesh Khanal, Sandra Morales, Elizabeth Kutter, Jian Li, Hak-Kim Chan (2020) Inhalable bacteriophage powders: Glass transition temperature and bioactivity stabilization. *Bioengineering & Translational Medicine* 5(2):e10159. (\*Equal contribution) **(Top cited article 2020-2021)**
- 19) Michael Y T Chow, **Philip C L Kwok**, Runyu Yang, Hak-Kim Chan (2020) Predicting the composition and size distribution of dry particles for aerosols and sprays of suspension: A Monte Carlo approach. *International Journal of Pharmaceutics* 582:119311.
- 20) **Philip Chi Lip Kwok\***, Amarin McDonnell\*, Patricia Tang, Callum Knight, Erin McKay, Sidney P Butler, Allen Sivarajah, Renee Quinn, Luke Fincher, Effie Browne, Leslie Y Yeo, Hak-Kim Chan (2020) *In vivo* deposition study of a new generation nebuliser utilising hybrid resonant acoustic (HYDRA) technology. *International Journal of Pharmaceutics* 580:119196. (\*Equal contribution)
- 21) Ka Yee Wan, Si Nga Wong, Jingwen Weng, **Philip Chi Lip Kwok**, Shing Fung Chow, Albert Hee Lum Chow (2020) Converting nanosuspension into inhalable and redispersible nanoparticles by combined in-situ thermal gelation and spray drying. *European Journal of Pharmaceutics and Biopharmaceutics* 149:238-247.
- 22) Michael Y T Chow, Yingshan Qiu, Qiuying Liao, **Philip C L Kwok**, Shing Fung Chow, Hak-Kim Chan, Jenny K W Lam (2019) High siRNA loading powder for inhalation prepared by co-spray drying with human serum albumin. *International Journal of Pharmaceutics* 572:118818.
- 23) Gabriela Daisy Hadiwinoto, **Philip C L Kwok**, Henry H Y Tong, Si Nga Wong, Shing Fung Chow, Richard Lakerveld (2019) Integrated continuous plug-flow crystallization and spray drying of pharmaceuticals for dry powder inhalation. *Industrial & Engineering Chemistry Research* 58(36):16843-16857.
- 24) Jingwen Weng, Si Nga Wong, Xiaoyan Xu, Bianfei Xuan, Chenguang Wang, Ruipeng Che, Changquan Calvin Sun, Richard Lakerveld, **Philip Chi Lip Kwok**, Shing Fung Chow (2019) Cocrystal engineering of itraconazole with suberic acid via rotary evaporation and spray drying. *Crystal Growth & Design* 19(5):2736-2745.
- 25) Theerthankar Das, Huai-Jin Choong, Yee Chin Kwang, Hak-Kim Chan, Jim Manos, **Philip Chi Lip Kwok\***, Hien T T Duong\* (2019) Spray dried particles of nitric oxide-modified glutathione for the treatment of chronic lung infection. *Molecular Pharmaceutics* 16(4):1723-1731. (\*Co-corresponding authors)
- 26) Qiuying Liao, Long Yip, Michael Y T Chow, Shing Fung Chow, Hak-Kim Chan, **Philip C L Kwok**, Jenny K W Lam (2019) Porous and highly dispersible voriconazole dry powders produced by spray freeze drying for pulmonary delivery with efficient lung deposition. *International Journal of Pharmaceutics* 560:144-154.
- 27) Wanling Liang, Michael Y T Chow, Shing Fung Chow, Hak-Kim Chan, **Philip C L Kwok**, Jenny K W Lam (2018) Using two-fluid nozzle for spray freeze drying to produce porous powder formulation of naked siRNA for inhalation. *International Journal of Pharmaceutics* 552(1-2):67-75.
- 28) Aiwei Li, Vivian M Yuen, Sophie Goulay-Dufay, Yucheng Sheng, Joseph F Standing\*, **Philip Chi Lip Kwok\***, May KM Leung, Amelia S Leung, Ian C K Wong, Michael G Irwin (2018) Pharmacokinetic and pharmacodynamic study of intranasal and intravenous dexmedetomidine. *British Journal of Anaesthesia* 120(5):960-968. (\*Co-corresponding authors)

- 29) Wanling Liang, Alan Y L Chan, Michael Y T Chow, Fiona F K Lo, Yingshan Qiu, **Philip C L Kwok**, Jenny K W Lam (2018) Spray freeze drying of small nucleic acids as inhaled powder for pulmonary delivery. *Asian Journal of Pharmaceutical Sciences* 13(2):163-172.
- 30) Michael Y T Chow, Yingshan Qiu, Fiona F K Lo, Hinson H S Lin, Hak-Kim Chan, **Philip C L Kwok**, Jenny K W Lam (2017) Inhaled powder formulation of naked siRNA using spray drying technology with L-leucine as dispersion enhancer. *International Journal of Pharmaceutics* 530(1-2):40-52.
- 31) Sharon Shui Yee Leung, Adam Chong Ming Chiow, **Philip Chi Lip Kwok**, Ari Ukkonen, Hak-Kim Chan (2017) Effect of spacers on the bipolar electrostatic charge properties of metered dose inhaler aerosols. *Journal of Pharmaceutical Sciences* 106(6):1553-1559.
- 32) Jennifer Wong, **Philip Chi Lip Kwok**, Ville Niemelä, Desmond Heng, John Crapper, Hak-Kim Chan (2016) Bipolar electrostatic charge and mass distributions of powder aerosols – Effects of inhaler design and inhaler material. *Journal of Aerosol Science* 95:104-117.
- 33) Jennifer Wong, Yu-Wei Lin, **Philip Chi Lip Kwok**, Ville Niemelä, John Crapper, Hak-Kim Chan (2015) Measuring bipolar charge and mass distributions of powder aerosols by a novel tool (BOLAR). *Molecular Pharmaceutics* 12(9):3433-3440.
- 34) **Philip Chi Lip Kwok**, Adam Grabarek, Michael Y T Chow, Yun Lan, Johnny C W Li, Luca Casettari, A James Mason, Jenny Ka Wing Lam (2015) Inhalable spray-dried formulation of D-LAK antimicrobial peptides targeting tuberculosis. *International Journal of Pharmaceutics* 491(1-2):367-374.
- 35) Dede K W Man, Luca Casettari, Marco Cespi, Giulia Bonacucina, Giovanni Filippo Palmieri, Stephen C W Sze, George P H Leung, Jenny K W Lam, **Philip C L Kwok** (2015) Oleanolic acid-loaded PEGylated PLA and PLGA nanoparticles with enhanced cytotoxic activity against cancer cells. *Molecular Pharmaceutics* 12(6):2112-2125.
- 36) Wanling Liang, Michael Y T Chow, Pui Ngan Lau, Qi Tony Zhou, **Philip C L Kwok**, George P H Leung, A James Mason, Hak-Kim Chan, Leo L M Poon, Jenny K W Lam (2015) Inhalable dry powder formulations of siRNA and pH responsive peptides with antiviral activity against H1N1 influenza virus. *Molecular Pharmaceutics* 12(3):910-921.
- 37) Jennifer Wong, **Philip Chi Lip Kwok**, Tim Noakes, Ali Fathi, Fariba Dehghani, Hak-Kim Chan (2014) Effect of crystallinity on electrostatic charging in dry powder inhaler formulations. *Pharmaceutical Research* 31(7):1656-1664.
- 38) Wanling Liang, **Philip C L Kwok**, Michael Y T Chow, Patricia Tang, A James Mason, Hak-Kim Chan, Jenny K W Lam (2014) Formulation of pH responsive peptides as inhalable dry powders for pulmonary delivery of nucleic acids. *European Journal of Pharmaceutics and Biopharmaceutics* 86(1):64-73.
- 39) Suzanne M D'Addio, John Gar Yan Chan, **Philip Chi Lip Kwok**, Bryan Benson, Robert K Prud'homme, Hak-Kim Chan (2013) Aerosol delivery of nanoparticles in uniform mannitol carriers formulated by ultrasonic spray freeze drying. *Pharmaceutical Research* 30(11):2891-2901.
- 40) Syed Anuar Faua'ad Syed Muhammad, Hussein Oubani, Ali Abbas, Hak-Kim Chan, **Philip Chi Lip Kwok**, Fariba Dehghani (2013) The production of dry powder by the sonocrystallisation for inhalation drug delivery. *Powder Technology* 246:337-344.
- 41) John Gar Yan Chan, Daniela Traini, Hak-Kim Chan, Paul M Young, **Philip Chi Lip Kwok** (2012) Delivery of high solubility polyols by vibrating mesh nebuliser to enhance mucociliary clearance. *Journal of Aerosol Medicine and Pulmonary Drug Delivery* 25(5):297-305.
- 42) Chyung Ay, Chih-chang Yeh, Min-chih Hsu, Huaang-youh Hurng, **Philip Chi Lip Kwok**, Hsin-i Chang (2012) Evaluation of the correlation between focal adhesion kinase phosphorylation and cell adhesion force using 'DEP' technology. *Sensors* 12(5):5951-5965.
- 43) Dian Handayani, Barbara J Meyer, Jiezhong Chen, Patricia Tang, **Philip Chi Lip Kwok**, Hak-Kim Chan, Xu-Feng Huang (2012) The comparison of the effect of oat and Shiitake mushroom powder to prevent body weight gain in rats fed high fat diet. *Food and Nutrition Sciences* 3(7):1009-1019.
- 44) Patricia Tang, **Philip Chi Lip Kwok**, Zhenbo Tong, Runyu Yang, Agnes Raper, Hak-Kim Chan (2012) Does the United States Pharmacopeia throat introduce de-agglomeration of carrier-free powder from inhalers? *Pharmaceutical Research* 29(7):1797-1807.
- 45) Suzanne M D'Addio, John Gar Yan Chan, **Philip Chi Lip Kwok**, Robert K Prud'homme, Hak-Kim Chan (2012) Constant size, variable density aerosol particles by ultrasonic spray freeze drying. *International Journal of Pharmaceutics* 427(2):185-191.
- 46) Keishi Yamasaki, **Philip Chi Lip Kwok**, Kaori Fukushige, Robert K Prud'homme, Hak-Kim Chan (2011) Enhanced dissolution of inhalable cyclosporine nano-matrix particles with mannitol as matrix former. *International Journal of Pharmaceutics* 420(1):34-42.
- 47) Zufu Lu, Iman Roohani, **Philip Chi Lip Kwok**, Hala Zreiqat (2011) Osteoblasts on rod shaped hydroxyapatite nanoparticles incorporated PCL film provide an optimal osteogenic niche for stem cell differentiation. *Tissue Engineering Part A* 17(11-12):1651-1661.
- 48) John Gar Yan Chan, **Philip Chi Lip Kwok**, Paul M Young, Hak-Kim Chan, Daniela Traini (2011) Mannitol

- delivery by vibrating mesh nebulisation for enhancing mucociliary clearance. *Journal of Pharmaceutical Sciences* 100(7):2693-2702.
- 49) **Philip Chi Lip Kwok**, Amolnat Tunsirikongkon, William Glover, Hak-Kim Chan (2011) Formation of protein nano-matrix particles with controlled surface architecture for respiratory drug delivery. *Pharmaceutical Research* 28(4):788-796.
  - 50) **Philip Chi Lip Kwok**, Sebastiaan J Trietsch, Michiko Kumon, Hak-Kim Chan (2010) Electrostatic charge characteristics of jet nebulised aerosols. *Journal of Aerosol Medicine and Pulmonary Drug Delivery* 23(3):149-159.
  - 51) Michiko Kumon, **Philip Chi Lip Kwok**, Handoko Adi, Desmond Heng, Hak-Kim Chan (2010) Can low-dose combination products for inhalation be formulated in single crystalline particles? *European Journal of Pharmaceutical Sciences* 40(1):16-24.
  - 52) Guy B Marks, **Philip Chi Lip Kwok**, Hak-Kim Chan, Eugenia Fiakos (2010) Particle sizes of talc for pleurodesis available in Australia. *Internal Medicine Journal* 40(4):316-318.
  - 53) Handoko Adi, **Philip Chi Lip Kwok**, John Crapper, Paul M Young, Daniela Traini, Hak-Kim Chan (2010) Does electrostatic charge affect powder aerosolisation? *Journal of Pharmaceutical Sciences* 99(5):2455-2461.
  - 54) Paul M Young, **Philip Kwok**, Handoko Adi, Hak-Kim Chan, Daniela Traini (2009) Lactose composite carriers for respiratory delivery. *Pharmaceutical Research* 26(4):802-810.
  - 55) **Philip Chi Lip Kwok**, Tim Noakes, Hak-Kim Chan (2008) Effect of moisture on the electrostatic charge properties of metered dose inhaler aerosols. *Journal of Aerosol Science*, 39(3):211-226.
  - 56) **Philip Chi Lip Kwok**, Hak-Kim Chan (2008) Effect of relative humidity on the electrostatic charge properties of dry powder inhaler aerosols. *Pharmaceutical Research*, 25(2):277-288.
  - 57) Paul M Young, Adrian Sung, Daniela Traini, **Philip Kwok**, Herbert Chiou, Hak-Kim Chan (2007) Influence of humidity on the electrostatic charge and aerosol performance of dry powder inhaler carrier based systems. *Pharmaceutical Research*, 24(5):963-970.
  - 58) **Philip Chi Lip Kwok**, Richard Collins, Hak-Kim Chan (2006) Effect of spacers on the electrostatic charge properties of metered dose inhaler aerosols. *Journal of Aerosol Science* 37(12):1671-1682.
  - 59) **Philip Chi Lip Kwok**, William Glover, Hak-Kim Chan (2005) Electrostatic charge characteristics of aerosols produced from metered dose inhalers. *Journal of Pharmaceutical Sciences* 94(12):2789-2799.
- Reviews**
- 60) Chin Fen Neoh, Wirawan Jeong, David CM Kong, Justin Beardsley, **Philip Chi Lip Kwok**, Monica A Slavin, Sharon C-A Chen (Accepted 23 September 2024) New and emerging roles for inhalational and direct antifungal drug delivery approaches for treatment of invasive fungal infections. *Expert Review of Anti-infective Therapy* 22(12):1085-1098. **(Invited review)**
  - 61) Ho Wan Chan, Stephanie Chow, Xinyue Zhang, **Philip Chi Lip Kwok**, Shing Fung Chow (Accepted 1 July 2023) Role of particle size in translational research of nanomedicines for successful drug delivery: Discrepancies and inadequacies. *Journal of Pharmaceutical Sciences* 112(9):2371-2384.
  - 62) Grace Tsz Yan Yau, Waiting Tai, Jonathon Carl Arnold, Hak-Kim Chan, **Philip Chi Lip Kwok\*** (2023) Cannabidiol for the treatment of brain disorders: Therapeutic potential and routes of administration. *Pharmaceutical Research* 40(5):1087–1114. **(Invited review)** (\*Corresponding author)
  - 63) Waiting Tai, **Philip Chi Lip Kwok\*** (2022) Recent advances in drug delivery to the central nervous system by inhalation. *Expert Opinion on Drug Delivery* 19(5):539-558. **(Invited review)** (\*Corresponding author)
  - 64) Chengxi Liu, Qixuan Hong, Rachel Yoon Kyung Chang, **Philip Chi Lip Kwok**, Hak-Kim Chan (2022) Phage-antibiotic therapy as a promising strategy to combat multidrug-resistant infections and to enhance antimicrobial efficiency. *Antibiotics* 11(5):570. **(Invited review)**
  - 65) Yousuf Mohammed\*, Amy Holmes\*, **Philip Chi Lip Kwok\***, Tushar Kumeria\*, Sarika Namjoshi\*, Mohammad Imran, Lana Matteucci, Masood Ali, Waiting Tai, Heather A E Benson, Michael S Roberts (2022) Advances and future perspectives in epithelial drug delivery. *Advanced Drug Delivery Reviews* 186:114293. **(Invited review)** (\*Equal contribution)
  - 66) Michael Yee Tak Chow, Waiting Tai, Rachel Yoon Kyung Chang, Hak-Kim Chan, **Philip Chi Lip Kwok\*** (2021) *In vitro-in vivo* correlation of cascade impactor data for orally inhaled pharmaceutical aerosols. *Advanced Drug Delivery Reviews* 177:113952. **(Invited review)** (\*Corresponding author)
  - 67) Wei-Ren Ke, Rachel Yoon Kyung Chang, **Philip Chi Lip Kwok**, Patricia Tang, Lan Chen, Donghao Chen, Hak-Kim Chan (2021) Administration of dry powders during respiratory supports. *Annals of Translational Medicine* 9(7):596. **(Invited review)**
  - 68) Rachel Yoon Kyung Chang\*, **Philip Chi Lip Kwok\***, Sussan Ghassabian\*, John D Brannan, Heikki Koskela, Hak-Kim Chan (2020) Cough as an adverse effect for inhalation pharmaceutical products. *British Journal of Pharmacology* 177(18):4096-4112. (\*Equal contribution)
  - 69) Grona Chen, Yihua Xu, **Philip Chi Lip Kwok**, Lifeng Kang (2020) Pharmaceutical applications of 3D

- printing. *Additive Manufacturing* 34:101209.
- 70) **Philip Chi Lip Kwok**, Martin Wallin, Myrna B Dolovich, Hak-Kim Chan (2019) Studies of radioaerosol deposition in the respiratory tract. *Seminars in Nuclear Medicine* 49(1):62-70. **(Invited review)**
  - 71) Gabriela Daisy Hadiwinoto, **Philip Chi Lip Kwok\***, Richard Lakerveld\* (2018) A review on recent technologies for the manufacture of pulmonary drugs. *Therapeutic Delivery* 9(1):47-70. **(Invited review)** (\*Co-corresponding authors)
  - 72) Aiwei Li, Vivian Man Ying Yuen, Sophie Goulay-Dufay, **Philip Chi Lip Kwok\*** (2016) Pharmacokinetics and pharmacodynamics of dexmedetomidine. *Drug Development and Industrial Pharmacy* 42(12):1917-1927. **(Invited review)** (\*Corresponding author)
  - 73) **Philip Chi Lip Kwok**, Philippe Rogueda, Lu Hou (2016) E-cigarettes: What can inhalation technologists learn from them? *Inhalation* 10(6):20-25.
  - 74) **Philip Chi Lip Kwok** (2015) Electrostatics of pharmaceutical aerosols for pulmonary delivery. *Current Pharmaceutical Design* 21(27):3945-3954. **(Invited review)**
  - 75) Jennifer Wong, **Philip Chi Lip Kwok**, Hak-Kim Chan (2015) Electrostatics in pharmaceutical solids. *Chemical Engineering Science* 125:225-237. **(Invited review)**
  - 76) Kam Lok Wong, Ricky Ngok Shun Wong, Liang Zhang, Wing Keung Liu, Tzi Bun Ng, Pang Chui Shaw, **Philip Chi Lip Kwok**, Yau Ming Lai, Zhang Jin Zhang, Yanbo Zhang, Yao Tong, Ho-Pan Cheung, Jia Lu, Stephen Cho Wing Sze (2014) Bioactive proteins and peptides isolated from Chinese medicines with pharmaceutical potential. *Chinese Medicine* 9:19/1-19/14.
  - 77) **Philip Chi Lip Kwok**, Hak-Kim Chan (2014) Delivery of inhalation drugs to children for asthma and other respiratory diseases. *Advanced Drug Delivery Reviews* 73:83-88. **(Invited review)**
  - 78) **Philip Chi Lip Kwok**, Hak-Kim Chan (2014) Nanotechnology versus other techniques in improving drug dissolution. *Current Pharmaceutical Design* 20(3):474-482. **(Invited review)**
  - 79) Jennifer Wong, Hak-Kim Chan, **Philip Chi Lip Kwok** (2013) Electrostatics in pharmaceutical aerosols for inhalation. *Therapeutic Delivery* 4(8):981-1002. **(Invited review)**
  - 80) Hak-Kim Chan, **Philip Chi Lip Kwok** (2011) Production methods for nanodrug particles using the bottom-up approach. *Advanced Drug Delivery Reviews* 63(6):406-416. **(Invited review)**
  - 81) **Philip Chi Lip Kwok**, Hak-Kim Chan (2009) Electrostatics of pharmaceutical inhalation aerosols. *Journal of Pharmacy and Pharmacology* 61(12):1587-1599. **(Invited review)**
  - 82) Hak-Kim Chan, Herbert Chiou, **Philip Kwok** (2006) The 15th International Society of Aerosols in Medicine Congress, 14 – 18 March 2005. *Expert Opinion on Drug Delivery* 3(1):163-167. **(Invited review)**
- Editorials**
- 83) **Philip Chi Lip Kwok**, Mohammad A.M. Momin, Basanth Babu Eedara, Shing Fung Chow (2023) Strategies to overcome the barriers to effective inhaled treatments. *Frontiers in Drug Delivery* 3:1253709. **(Invited editorial)**
  - 84) Anthony J Hickey, **Philip Chi Lip Kwok** (2021) In vitro-in vivo correlation of pharmaceutical aerosols. *Advanced Drug Delivery Reviews* 179:114025. **(Invited editorial)**
  - 85) **Philip Chi Lip Kwok** (2021) Advances in drug delivery. *Current Pharmaceutical Design* 27(12):1435. **(Invited editorial)**
  - 86) **Philip Chi Lip Kwok** (2015) Pharmaceutical aerosol electrostatics: A field with much potential for development. *Therapeutic Delivery* 6(2):105-107. **(Invited editorial)**
- Book Chapters**
- 87) Alex Seungyeon Byun, Hak-Kim Chan, **Philip Chi Lip Kwok** (2023) Respiratory delivery of bacteriophages for the treatment of lung infections. In Jenny Ka Wing Lam, **Philip Chi Lip Kwok** (eds) *Respiratory Delivery of Biologics, Nucleic Acids, and Vaccines*. Cham, Switzerland: Springer Nature. pp173-191.
  - 88) Alex Seungyeon Byun, Luis Vitetta, Hak-Kim Chan, **Philip Chi Lip Kwok** (2023) Respiratory delivery of probiotics to improve lung health. In Jenny Ka Wing Lam, **Philip Chi Lip Kwok** (eds) *Respiratory Delivery of Biologics, Nucleic Acids, and Vaccines*. Cham, Switzerland: Springer Nature. pp149-172.
  - 89) **Philip Chi Lip Kwok**, Hak-Kim Chan (2019) Solid state testing of inhaled formulations. In Anthony J Hickey, Sandro R da Rocha (ed) *Pharmaceutical Inhalation Aerosol Technology*, 3<sup>rd</sup> edition. Boca Raton, FL: CRC Press. Chapter 23, pp523-540.
  - 90) **Philip Chi Lip Kwok**, Hak-Kim Chan (2013) Electrostatic charge in pharmaceutical systems. In James Swarbrick (ed) *Encyclopedia of Pharmaceutical Science and Technology*, 4<sup>th</sup> edition. Boca Raton, FL: CRC Press. pp1394-1407.
  - 91) **Philip Chi Lip Kwok**, Rania Osama Salama, Hak-Kim Chan (2013) Proteins, peptides, and controlled-release formulations. In Paolo Colombo, Daniela Traini, Francesca Buttini (eds) *Inhalation Drug Delivery: Techniques and Products*. West Sussex, UK: John Wiley and Sons. Chapter 7, pp121-144.
  - 92) Francesca Buttini, Gaia Colombo, **Philip Chi Lip Kwok**, Wong Tin Wui (2013) Aerodynamic assessment

	<p>and current pharmacopoeial methods. In Paolo Colombo, Daniela Traini, Francesca Buttini (eds) <i>Inhalation Drug Delivery: Techniques and Products</i>. West Sussex, UK: John Wiley and Sons. Chapter 6, pp91-119.</p> <p>93) Hak-Kim Chan, <b>Philip Chi Lip Kwok</b> (2013) Novel particle production technologies for inhalation products. In Paolo Colombo, Daniela Traini, Francesca Buttini (eds) <i>Inhalation Drug Delivery: Techniques and Products</i>. West Sussex, UK: John Wiley and Sons. Chapter 4, pp47-62.</p> <p>94) <b>Philip Chi Lip Kwok</b>, Hak-Kim Chan (2011) Pulmonary delivery of proteins and peptides. In Chris F Van der Walle (ed) <i>Peptide and Protein Delivery</i>. Amsterdam, The Netherlands: Elsevier. Chapter 2, pp23-46.</p> <p>95) <b>Philip Chi Lip Kwok</b>, Hak-Kim Chan (2007) Electrostatic charge in pharmaceutical systems. In James Swarbrick (ed) <i>Encyclopedia of Pharmaceutical Technology</i>, 3<sup>rd</sup> edition. New York, NY: Marcel Dekker. pp1535-1547.</p> <p><b>Edited Book</b></p> <p>96) <b>Philip Chi Lip Kwok</b>, Michael Yee Tak Chow (eds) (2024) <i>Inhaled Treatment of Respiratory Infections</i>. Basel, Switzerland: MDPI.</p> <p>97) Jenny Ka Wing Lam, <b>Philip Chi Lip Kwok</b> (eds) (2023) <i>Respiratory Delivery of Biologics, Nucleic Acids, and Vaccines</i>. Cham, Switzerland: Springer Nature.</p> <p>98) <b>Philip Chi Lip Kwok</b>, Hak-Kim Chan (eds) (2017) <i>Advances in Pulmonary Drug Delivery</i>. Boca Raton, FL: CRC Press.</p>
<b>Patents</b>	<p>1) <i>Formulation</i>. Australian provisional application 2025903322 filed on 30 July 2025. Australian provisional application 2024902341 filed on 29 July 2024.</p> <p>2) Hak-Kim Chan, Paul M Young, Daniela Traini, <b>Philip Chi Lip Kwok</b>, John Gar Yan Chan. <i>Inhalable compositions</i>. WO/2012/058719 (10 May 2012). International patent application PCT/AU2011/001406 filed on 2 November 2011. Australian provisional application 2010904885 filed on 2 November 2010.</p> <p>3) Hak-Kim Chan, Paul M Young, Daniela Traini, <b>Philip Chi Lip Kwok</b>, Michiko Anada. <i>Inhalable formulations</i>. WO/2011/069197 (16 June 2011). International patent application PCT/AU2010/001656 filed on 8 December 2010. Australian provisional application 2009905978 filed on 12 December 2009.</p>
<b>Grants</b>	<p>1) <i>Career Development Grant</i> (2025) Developing excipient-free inhalable powders of bedaquiline and pyrazinamide using spray drying for potential treatment of tuberculosis (TWD 7,500,000 awarded on 16 October 2024) Principle Investigator: Wei-Ren Ke Co-Principal Investigators: <b>Philip Chi Lip Kwok</b>, Hsiao-Chi Chuang, Yu-Chun Lin, Dipesh Khanal Funding Body: National Health Research Institutes, Republic of China</p> <p>2) <i>Sydney ID Seed Grant</i> (2023) Inhalable pentamidine powder for pulmonary fungal infections (AUD 18,000 awarded on 3 October 2023) Principal Investigator: <b>Dr Philip Chi Lip Kwok</b> Other Investigators: Miss Pancy Tsz Hei Kwong, Dr Hannah Yejin Kim, Dr Catriona Halliday, Dr Sophie L Stocker, Prof Sharon C A Chen, Prof Jan-Willem Alffenaar Funding Body: Sydney Infectious Diseases Institute</p> <p>3) <i>Provost's Equipment and Contingency Fund</i> (2022) Freeze dryer with controllable drying shelf temperature and organic solvent compatibility (AUD 103,612 awarded on 21 April 2022) Principal Investigator: <b>Dr Philip Chi Lip Kwok</b> Other Investigators: Dr Patricia Tang, Dr Rachel Chang, Dr Dipesh Khanal, Dr Pegah Varamini, Dr Hien Duong, Dr Agisilaos Kourmatzis, A/Prof Nial Wheate, A/Prof Veysel Kayser, A/Prof Thomas Grewal, A/Prof Markus Muellner, Prof Hak-Kim Chan, Prof Paul Groundwater, Prof David Hibbs, Prof Jane Hanrahan, Prof Wojciech Chrzanowski Funding Body: The University of Sydney</p> <p>4) <i>Provost's Equipment and Contingency Fund</i> (2022) Spray dryer accessories: inert loop, dehumidifier and filter assembly (AUD 66,650 awarded on 21 April 2022) Principal Investigator: Prof Hak-Kim Chan Other Investigators: Dr Patricia Tang, Dr Yoon Kyung Chang, Dr Dipesh Khanal, <b>Dr Philip Chi Lip Kwok</b>, Dr Agisilaos Kourmatzis, A/Prof Thomas Grewal, A/Prof Matthew Cleary, Prof Fariba Dehghani Funding Body: The University of Sydney</p> <p>5) <i>FungiSphere Seed Funding</i> (2020) Antifungal activity of azole co-crystals in a cellular fungal infection model (AUD 10,000 awarded on 30 July 2020) Principal Investigator: <b>Dr Philip Chi Lip Kwok</b> Other Investigators: Prof Dee Carter, Prof David Hibbs, Prof Paul Groundwater, Prof Jane Hanrahan, Dr Shing Fung Chow Funding Body: Marie Bashir Institute for Infectious Diseases and Biosecurity, The University of Sydney</p>

- 6) USyd-ZJU Partnership Collaboration Award (2020) Aerosol delivery of genome-editing agents for treatment cystic fibrosis (CNY 75,000 awarded on 17 June 2020)  
USyd Chief Investigator: **Dr Philip Chi Lip Kwok**  
Zhejiang University Chief Investigator: Prof Yuan Ping  
Funding Body: Zhejiang University, China
- 7) 2019-2020 International Science and Technology Collaboration Project Grant (1 December 2020 – 30 November 2022) Prophylactic neuroprotective treatment against ischemic damage using TERT inhibitor-encapsulated brain-targeted nanoparticles (CNY 500,000 awarded on 22 May 2020)  
Project Leaders: Dr Chi Kwan Tsang, Dr Shing Fung Chow, **Dr Philip Chi Lip Kwok**  
Funding Body: Guangdong Provincial Department of Science and Technology, China
- 8) *Pharmacy Research Support Grant* (24 May 2019 – 31 October 2019) Hot Stage System LTS420 with BX53MTRF microscope (AUD 17,000 awarded on 24 May 2019)  
Chief Investigator A: **Dr Philip Chi Lip Kwok**  
Chief Investigators: Dr Lifeng Kang, Prof Dai Hibbs, Prof Kim Chan, Dr Patricia Tang, Dr Yoon Chang, Dr Yee Chow, Dr Dipesh Khanal  
Funding Body: The University of Sydney Pharmacy School
- 9) *FungiSphere Seed Funding* (16 April 2019 – 15 April 2020) Water-soluble co-crystals of hydrophobic antifungals for inhalation (AUD 8000 awarded on 16 April 2019)  
Principal Investigators: **Dr Philip Chi Lip Kwok**, Prof David Hibbs, Prof Dee Carter, Prof Paul Groundwater, Prof Jane Hanrahan, Dr Shing Fung Chow  
Funding Body: Marie Bashir Institute for Infectious Diseases and Biosecurity, The University of Sydney
- 10) *The University of Sydney-The Chinese University of Hong Kong Partnership Collaboration Award* (7 November 2018 – 6 November 2019) Inhaled therapy for chronic lung infections using a “triple-hit” nano-in-microparticle formulation (AUD 20,000 awarded on 7 November 2018)  
Principal Investigators: Dr Hien Duong, Dr Sharon Leung  
Collaborators: **Dr Philip Chi Lip Kwok**, Dr Li Zhang  
Funding Bodies: The University of Sydney and The Chinese University of Hong Kong
- 11) *Pharmacy Research Support Grant* (27 April 2018 – 31 October 2018) A 3D printed human lung model for nitrosoglutathione microparticle characterisation and optimisation (AUD 15,000 awarded 27 April 2018)  
Chief Investigator A: Dr Lifeng Kang  
Chief Investigators: **Dr Philip Kwok**, Dr Hien Duong  
Funding Body: The University of Sydney Pharmacy School
- 12) *Competitive Profile Development Fund* (12 September 2017 – 31 December 2017) Immunology short course for clinicians and scientists held by Imperial College London, UK, and visit to Institut Pasteur, Paris, France (AUD 3000 awarded on 12 September 2017)  
Chief Investigator: **Dr Philip Chi Lip Kwok**  
Funding Body: The University of Sydney Pharmacy School
- 13) *Innovation and Technology Support Programme* (1 March 2017 – 31 August 2018) Integrated Continuous manufacturing of an active pharmaceutical ingredient for asthma treatment (ITS/137/16; HKD 1,407,980 awarded on 13 February 2017)  
Principal Investigator: Dr R Lakerveld  
Co-Investigators: **Dr PCL Kwok**, Prof HHY Tong, Dr SF Chow  
Funding Body: Innovation and Technology Commission, The Government of Hong Kong SAR
- 14) *General Research Fund* (1 January 2017 – 31 December 2018) Impact of droplet and droplet nuclei exposure on onward influenza transmission potential and genetic bottleneck (17148416; HKD 977,712 awarded on 30 June 2016)  
Principal Investigator: Dr H Yen  
Co-Investigator: Prof JSM Peiris, Prof Y Li, Prof LML Poon, **Dr PCL Kwok**, Dr JD Bloom  
Funding Body: University Grants Committee, Hong Kong SAR
- 15) *Seed Funding Programme for Basic Research* (30 June 2016 – 29 June 2018) Transport of dexmedetomidine across the nasal mucosa (201511159227; HKD 45,980 awarded on 15 March 2016)  
Principal Investigator: **Dr PCL Kwok**  
Co-Investigator: Dr VY Yuen  
Funding Body: The University of Hong Kong
- 16) *Health and Medical Research Fund – Full Grant* (1 April 2016 – 31 March 2018) Inhalable dry powder formulation of naked siRNA using spray-drying and spray freeze-drying technologies for the treatment of respiratory infections (15140962; HKD 1,189,608 awarded on 28 January 2016)  
Principal Investigator: Dr JKW Lam  
Co-Investigators: **Dr PCL Kwok**, Dr M Gonzalez-Juarrero, Mr YT Chow  
Funding Body: Food and Health Bureau, The Government of Hong Kong SAR

	<p>17) <i>General Program, National Natural Science Foundation of China</i> (1 January 2016 – 31 December 2019) Development of a highly efficient inhalable mucosal DNA vaccine against HIV as dry powder using pH responsive LAH peptides with nuclear localizing sequences as DNA carrier (81573373; RMB 500,000 or HKD 628,000 awarded on 17 August 2015) Principal Investigator: Dr JKW Lam Co-Investigators: Prof Z Chen, <b>Dr PCL Kwok</b>, Ms Y Xu, Ms Y Lan, Ms KW Man, Mr YT Chow, Mr YJ Chu Funding Body: National Natural Science Foundation of China</p> <p>18) <i>General Research Fund</i> (1 January 2016 – 31 December 2018) Porous nanoparticle aerosol carriers with controllable density for pulmonary drug delivery (17302815; HKD 501,255 awarded on 30 June 2015) Principal Investigator: <b>Dr PCL Kwok</b> Co-Investigator: Dr JKW Lam Funding Body: University Grants Committee, Hong Kong SAR</p> <p>19) <i>Small Project Funding</i> (1 April 2015 – 31 March 2018) Aerosol performance of generic pharmaceutical combination inhalers (201409176187; HKD 72,800 awarded on 25 February 2015) Principal Investigator: <b>Dr PCL Kwok</b> Co-Investigator: Dr A Bhome Funding Body: The University of Hong Kong</p> <p>20) <i>Health and Medical Research Fund – Mini Grant</i> (1 May 2015 – 31 July 2016) Dexmedetomidine buccal spray solution for premedication in children (02132026; HKD 80,000 awarded on 16 February 2015) Principal Investigator: <b>Dr PCL Kwok</b> Co-Investigators: Dr S Dufay, Dr VMY Yuen Funding Body: Food and Health Bureau, The Government of Hong Kong SAR</p> <p>21) <i>Small Project Funding</i> (1 April 2014 – 31 March 2017) Inhalable antimicrobial peptide dry powder for tuberculosis treatment (201309176186; HKD 63,343 awarded on 16 April 2014) Principal Investigator: <b>Dr PCL Kwok</b> Co-Investigator: Dr JKW Lam Funding Body: The University of Hong Kong</p> <p>22) <i>Health and Medical Research Fund – Mini Grant</i> (6 January 2014 – 5 January 2015) Inhalable macromolecule dry powder for asthma treatment in children (01121786; HKD 80,000 awarded on 4 October 2013) Principal Investigator: <b>Dr PCL Kwok</b> Co-Investigator: Dr JKW Lam Funding Body: Food and Health Bureau, The Government of Hong Kong SAR</p> <p>23) <i>Seed Funding Programme for Basic Research</i> (1 April 2013 – 31 March 2015) Inhalable oleanolic acid dry powder for lung diseases (201211159050; HKD 67,300 awarded on 5 April 2013) Principal Investigator: <b>Dr PCL Kwok</b> Funding Body: The University of Hong Kong</p> <p>24) <i>Seed Funding Programme for Basic Research</i> (1 April 2012 – 31 March 2014) Chitosan-based dry powder nasal formulation for delivering therapeutic peptides – development of technology platform for intranasal delivery study (201111159114; HKD 51,000 awarded on 26 April 2012) Principal Investigator: Dr JKW Lam Co-Investigator: <b>Dr PCL Kwok</b> Funding Body: The University of Hong Kong</p> <p>25) <i>Seed Funding Programme for Basic Research</i> (7 May 2012 – 6 May 2013) Inhalable dry powder aerosols for influenza prevention or treatment (201203159012; HKD 120,000 awarded on 12 April 2012) Principal Investigator: <b>Dr PCL Kwok</b> Co-Investigators: Dr H Yen, Prof JSM Peiris, Prof Hak-Kim Chan A matching fund of HKD 120,000 for new staff was awarded from the faculty. Funding Body: The University of Hong Kong</p> <p>26) <i>Seed Funding Programme for Basic Research</i> (1 March 2012 – 28 February 2014) Oral transmucosal drug delivery system for paediatric and emergency medications (201112159008; HKD 120,000 awarded on 26 January 2012) Principal Investigator: Prof ICK Wong Co-Investigators: Dr JKW Lam, <b>Dr PCL Kwok</b> Funding Body: The University of Hong Kong</p>
<b>Contract Research</b>	<p>1) Electrostatics of pharmaceutical propellants (8 October 2022 – 8 December 2023) (The University of Sydney IRMA Project ID 218399; AUD 47,795) Researchers: <b>Dr Philip Chi Lip Kwok</b> Client: Mexichem UK Ltd, Thornton Science Park, Pool Lane, Ince, Cheshire, CH2 4NU, United Kingdom</p>



	<p>2) Delivery of nebulised hydroxychloroquine sulfate aerosols (1 May 2020 – 31 October 2021) (The University of Sydney IRMA Project ID 208309; AUD 77,089)          Researchers: Prof Hak-Kim Chan, <b>Dr Philip Chi Lip Kwok</b>          Client: Pulmoquine Therapeutics, Inc, 4963 Hidden Dune Court, San Diego, California 92130, USA</p>
<b>Editorship</b>	<p>1) Guest editor: <i>Biopharmaceutics &amp; Drug Disposition</i> special issue: New DDS approach for pharmacokinetic control of drugs (Since 26 March 2025).</p> <p>2) Guest editor: <i>Pharmaceutics</i> special issue: Inhaled treatment of respiratory infections, 2nd Edition (2023-2025).</p> <p>3) Review Editor in the Editorial Board of Respiratory Pharmacology: <i>Frontiers in Pharmacology</i> (Since 6 January 2024)</p> <p>4) Guest editor: <i>Frontiers in Drug Delivery</i>. Strategies to overcome the barriers to effective inhaled treatments (19 July 2023). Editorial in <i>Frontiers in Drug Delivery</i> 3:1253709.</p> <p>5) Editorial board member: <i>RPS Pharmacy &amp; Pharmacology Reports</i> (Since 29 March 2022)</p> <p>6) Guest editor: Advanced Drug Delivery Reviews. <i>In vitro-in vivo</i> correlation of pharmaceutical aerosols special issue (23 November 2021). Editorial in <i>Advanced Drug Delivery Reviews</i> 179:114025.</p> <p>7) Associate Editor in the Editorial Board of Respiratory Drug Delivery: <i>Frontiers in Drug Delivery</i> (Since 21 September 2021)</p> <p>8) Editorial advisory board member: <i>Hong Kong Pharmaceutical Journal</i> (Since 15 September 2021)</p> <p>9) Section editor (Pharmaceutical Techniques and Technology): <i>Hong Kong Pharmaceutical Journal</i> (Since 15 September 2021)</p> <p>10) Review Editor in the Editorial Board of Pulmonary Drug Delivery: <i>Frontiers in Drug Delivery</i> (Since 1 August 2021)</p> <p>11) Guest editor: <i>Current Pharmaceutical Design</i> 27(12) Advances in inhalation drug delivery special issue (18 May 2021). Editorial in <i>Current Pharmaceutical Design</i> 27(12):1435.</p> <p>12) Guest editor: <i>Pharmaceutics</i> special issue: Inhaled treatment of respiratory infections (2021-2023).</p> <p>13) Topic editor: <i>Pharmaceutics</i> (Since 24 February 2021).</p> <p>14) Editorial advisory board member: <i>AAPS PharmSciTech</i> (Since 1 January 2020).</p> <p>15) Editorial board member: <i>Recent Advances on Drug Delivery &amp; Formulation</i> (Since 4 March 2019).</p> <p>16) Editorial board member: <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> (Since 26 Jan 2015).</p> <p>17) Editorial board member: <i>Open Pharmaceutical Sciences Journal</i> (Since 13 May 2014)</p> <p>18) Editorial board member: <i>Austin Journal of Pharmacology &amp; Therapeutics</i> (Since 12 May 2014).</p> <p>19) Editorial board member: <i>Journal of Pharmaceutics and Pharmacology</i> (Since 23 Oct 2013).</p> <p>20) Guest editor: <i>Therapeutic Delivery</i> 4(8) Pulmonary drug delivery special focus issue (Aug 2013). Foreword in <i>Therapeutic Delivery</i> 4(8):877-878.</p>
<b>Journal Manuscript Reviewer</b>	<p><i>International Journal of Antimicrobial Agents, AAPS PharmSciTech, Journal of Aerosol Medicine and Pulmonary Drug Delivery, European Journal of Pharmaceutical Sciences, International Journal of Pharmaceutics, Pharmaceutical Research, Aerosol Science and Technology, Pharmaceutics, Drug Discovery Today, Journal of Drug Targeting, Nano Letters, Expert Opinion on Drug Delivery, Drug Development and Industrial Pharmacy, Asian Journal of Pharmaceutical Sciences, Multidisciplinary Respiratory Medicine, Crystal Growth &amp; Design, Journal of Colloid and Interface Science, Colloids and Surfaces B:Biointerfaces, Journal of Peptide Science, Carbohydrate Polymers, Journal of Drug Delivery Science and Technology, Therapeutic Innovation and Regulatory Science</i></p>
<b>Grant Proposal Reviewer</b>	<p>1) Israel Science Foundation (May 2025)</p> <p>2) Swiss National Science Foundation (July 2024)</p> <p>3) Mitacs, Canada (April and November 2022)</p> <p>4) National Health and Medical Research Council of Australia (May 2018)</p> <p>5) National Science Centre of Poland (April 2015)</p> <p>6) Health Research Council of New Zealand (September 2023, February 2015)</p>
<b>University Governance Roles</b>	<p>1) G08 Operations Committee (Since 2 April 2024)</p> <p>2) Pharmaceutical and Medical Device Development Coordinator (Since 1 June 2021)</p> <p>3) Faculty of Medicine and Health minimum academic standards review working group (May to December 2021)</p> <p>4) Faculty of Medicine and Health Workload Policy Collegiate Committee (August 2019 to August 2020)</p> <p>5) Pharmacy and Bank Building A15 Warden (Since July 2019)</p> <p>6) School Oral Exam Coordinator (Since 19 June 2019)</p> <p>7) Honours Working Group member, Sydney Pharmacy School (March to June 2019)</p> <p>8) Student advisor for The University of Sydney Student Chapter of the American Association of Pharmaceutical Scientists (AAPS) (Since January 2018)</p> <p>9) Justice of the Peace in and for New South Wales, Australia (Since 8 November 2017)</p>

	10) Academic Board Nominee, The University of Sydney (Since 20 September 2017)
<b>Leadership Roles</b>	<ol style="list-style-type: none"> <li>1) Research Education Academic Director (READ), Central Sydney (Patyegarang) Precinct (Since 13 January 2025).</li> <li>2) Member of The University of Sydney Therapeutic Goods Evaluation and Expert Advice Panel for the Therapeutic Goods Administration (Since 4 July 2024)</li> <li>3) Malaysia Technology Expo (MTE) Covid-19/ Advanced Healthcare and Life Sciences International Innovation Awards 2022 International Jury Member (10 to 17 June 2022)</li> <li>4) Sydney Educational Fellowship Program assessor (Since 27 April 2022)</li> <li>5) Intern pharmacist preceptor for Ms Eleni Siafakas (Since 18 March 2022)</li> <li>6) Royal Australian Chemical Institute mentor for Dr Liam Joyce (2023), Ms Isolde Sandler (2022)</li> <li>7) Member of the Poisons Advisory Committee, New South Wales Ministry of Health (Since 7 December 2021)</li> <li>8) AAPS PharmSci 360 conference abstract screener (4 May 2024, 7 May to 25 July 2022, 23 February to 26 May 2021)</li> <li>9) AAPS Inhalation and Nasal Community Learning Opportunities Manager (Since 17 March 2021)</li> <li>10) Theme leader of Therapeutics and Global Health Systems in FungiSphere, Sydney Infectious Diseases Institute (formerly Marie Bashir Institute) (Since February 2019)</li> </ol>
<b>Organised Events</b>	<ol style="list-style-type: none"> <li>1) International Society for Aerosols in Medicine (ISAM) Congress (13-16 July 2026), NTUH International Convention Center, Taipei, Taiwan (Scientific Program Committee).</li> <li>2) Asian Federation for Pharmaceutical Sciences (AFPS) Conference (3-5 December 2025), The University of Sydney, NSW, Australia (Co-chair).</li> <li>3) NSW Health Commercialisation Training Program - Pharmaceutical and Therapeutics Commercialisation Course, Cicada Innovations, Eveleigh, NSW, Australia (9-11 April 2024)</li> <li>4) NSW Health Commercialisation Training Program - Pharmaceutical and Therapeutics Commercialisation Course, Cicada Innovations, Eveleigh, NSW, Australia (2-4 May 2023)</li> <li>5) 9th World Congress on Particle Technology (WCPT-9) (18-22 September 2022), Madrid, Spain (Scientific committee member).</li> <li>6) NSW Health Commercialisation Training Program - Pharmaceutical and Therapeutics Commercialisation Course, Cicada Innovations, Eveleigh, NSW, Australia (3-5 May 2022)</li> <li>7) AAPS 2021 PharmSci 360 Conference (17-20 October 2021), Pennsylvania Convention Center, Philadelphia, PA, USA (Abstract reviewer, May 2021).</li> <li>8) Inhalation Asia 2019 Conference (13-15 November 2019), Hong Kong Science Park, Hong Kong SAR (Scientific review board member).</li> <li>9) Hong Kong Pharmacy Conference (27-28 February 2016), Hong Kong Convention and Exhibition Centre, Hong Kong SAR (Organising committee member).</li> <li>10) Inhalation Asia 2013 Conference (26-28 June 2013), Li Ka Shing Faculty of Medicine Building, The University of Hong Kong, Hong Kong SAR (Chair and co-organiser).</li> <li>11) Pharmaceutical Aerosols Product Workshop (24-25 June 2013), Li Ka Shing Faculty of Medicine Building, The University of Hong Kong, Hong Kong SAR (Co-organiser).</li> </ol>
<b>Honours and Awards</b>	<ol style="list-style-type: none"> <li>1) AbVance Commercialisation Award, NSW Drug Discovery Forum 2024, Sydney, Australia, 29 October 2024.</li> <li>2) Faculty of Medicine and Health Makers and Shapers Award for Teaching Excellence (Team), The University of Sydney, Australia, 28 April 2022.</li> <li>3) Fellow of the Higher Education Academy, Advance HE, United Kingdom (Fellowship reference PR238573), 21 March 2022.</li> <li>4) Asian Federation for Pharmaceutical Sciences (AFPS) Nagai-Shukri Best Paper Award and AFPS Nagai-Shukri Oral Presentation Award, AFPS Conference 2009, Fukuoka, Japan.</li> <li>5) New Investigator Best Oral Presentation, Australasian Pharmaceutical Science Association Conference 2007, Sydney, Australia.</li> <li>6) Australian Postgraduate Award (APA), 2003–2006.</li> </ol>
<b>Professional Association Memberships</b>	<ul style="list-style-type: none"> <li>• American Association of Pharmaceutical Scientists (AAPS), Member</li> <li>• Asian Federation for Pharmaceutical Sciences (AFPS), Member</li> <li>• Golden Key International Honour Society, Member</li> <li>• New South Wales Department of Justice:Justice of the Peace</li> </ul>
<b>Professional Development Programs Completed</b>	<ol style="list-style-type: none"> <li>1) Introduction to Animal Research Module 2: Small Laboratory Animals (3 May 2019), Research Portfolio, The University of Sydney, Australia.</li> <li>2) Introduction to Animal Research Modules 1: Fundamentals of Animal Research (30 April 2019), Research Portfolio, The University of Sydney, Australia.</li> <li>3) OSCEOLOGY workshop (4-5 July 2018) School of Pharmacy and Pharmacology, Griffith University, Gold</li> </ol>

	<p>Coast, Australia.</p> <p>4) Radiation Safety for Laboratory Workers (1-2 March 2018) Human Resources, The University of Sydney, Australia.</p> <p>5) Principles and Practice of University Teaching and Learning (30 November-1 December 2017) Education Portfolio, The University of Sydney, Australia.</p> <p>6) Immunology Short Course (20-22 November 2017) Imperial College London, UK.</p> <p>7) Foundations of Research Supervision (24 October 2017) Education Portfolio, The University of Sydney, Australia.</p>
<b>Research Students under my Primary Supervision</b>	<p>The University of Sydney, Australia</p> <ul style="list-style-type: none"> <li>• PhD: Grace Tsz Yan Yau (Since 2024; recipient of James Millner Scholarship in Pharmacy), Alex Seungyeon Byun (2021-2025), Pancy Tsz Hei Kwong (2021-2025; recipient of The University of Sydney International Scholarship), Chengxi Liu (Since 2020), Wai Ting Tai (2020-2024; recipient of Research Training Program Scholarship and Faculty of Medicine and Health Thesis Excellence Prize)</li> <li>• MD: Hussein Lashin (2023)</li> <li>• BMedSc(Hons): Guanqing Huang (2021-2022)</li> <li>• BPharm(Hons): Wing Gi Gigi Fung (2024), Grace Tsz Yan Yau (2022), Irwin Ng (2021), Pancy Tsz Hei Kwong (2020), Wai Ting Tai (2019), Yu Qing Elysia Ong (2018)</li> </ul> <p>Visiting research students</p> <ul style="list-style-type: none"> <li>• Thor Hansen, University of Copenhagen, Denmark (2025)</li> <li>• Merel Peeters, Artesis Plantijn University College of Antwerp, Belgium (2024)</li> <li>• Tang-Wei Wyatt Hsueh, National Chiayi University, Taiwan (2024)</li> <li>• Sarah Clymans, Artesis Plantijn University College of Antwerp, Belgium (2020)</li> </ul> <p>The University of Hong Kong, Hong Kong SAR</p> <ul style="list-style-type: none"> <li>• PhD: Shuangning Chen (2012-2017), Aiwei Li (2014-2017)</li> <li>• MPhil: Kwun Wai DeDe Man (2012-2014)</li> <li>• MMedSc: Lu Hou (2017), Karbo Larry Kwok (2013), Hiu Yu Li (2013)</li> <li>• BPharm(Hons): Lai Yan Wong (2016), Mung Yu Chow (2015), Shing Chi Lau (2015), Cheuk Ying Ng (2014), Wai Cheung Kam (2014), Ho Kam Cheung (2013), Hiu Kang Lam (2013), Kam Fai Ma (2013), Wing Ka Tang (2012)</li> </ul>
<b>Research Students under my Secondary Supervision</b>	<p>The University of Sydney, Australia</p> <ul style="list-style-type: none"> <li>• PhD: Sri Durga Devi Nagarajan (Since 2025), Yasir Alhazmi (Since 2024), Zhengqi Xu (Since 2024), Ayu Lestari (Since 2022), Yunong Yuan (2020-2024), Stephen Stanton (2018-2024), Yuncheng Wang (2018-2022), Wei-Ren Ke (2018-2021)</li> <li>• MPhil: Xiyuan Zhang (2020-2022), Deeksha Ghanshyam Lahori (2019-2021)</li> </ul> <p>University of Technology Sydney, Australia</p> <ul style="list-style-type: none"> <li>• PhD: Varsha Komalla (2018-2020)</li> </ul> <p>The University of Hong Kong, Hong Kong SAR</p> <ul style="list-style-type: none"> <li>• PhD: Qiuying Liao (2018-2021)</li> </ul>