

CHOW Wang Ngai Franklin

(Research Assistant Professor)

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Research Interest

- Emerging infectious diseases
- Host-pathogen interactions
- Extracellular vesicles
- Small RNA
- Pathogen genomics and evolution
- Environmental microbiology

Education

- 2010-2013 PhD (Microbiology)
Department of Microbiology, The University of Hong Kong
(Supervisors: Prof. Susanna KP Lau and Prof. Kwok-Yung Yuen)
- 2005-2007 MPhil (Reproductive Medicine)
Department of Obstetrics and Gynaecology, The University of Hong Kong
(Supervisors: Prof. William SB Yeung and Dr. Calvin KF Lee)
- 2002-2005 BSc (Hons) in Biochemistry, The University of Hong Kong

Experience

- 07/2021-Present Research Assistant Professor, Department of Health Technology and Informatics, The Hong Kong Polytechnic University
- 08/2018-07/2021 Postdoctoral Fellow, Department of Microbiology, The University of Hong Kong
(Lab: Prof. Susanna KP Lau)
- 03/2015-08/2018 Postdoctoral Research Associate, Institute of Immunology and Infection Research, The University of Edinburgh
(Lab: Dr. Amy Buck)
- 08/2015 Visiting Scientist, Department of Molecular Genetics, University of Toronto
- 05/2013-02/2015 Senior Research Assistant, Department of Microbiology, The University of Hong Kong

Patents

1. US 16/830,524 Fungal Identification by Pattern Recognition
2. UK P215141.GB.01 Parasitic nematode vaccine (non-inventive contributor)

Service to professional & scientific bodies, consultancy, membership of professional & learned societies:

- UK Royal Society of Biology
 - Member (MRSB) and Chartered Biologist (CBiol)
 - Vice-chairman of the Royal Society of Biology Hong Kong Branch (2014-2015)
- **Editorship**
 - Associate editor of Virology Journal
 - Guest editor of IJMS Special Issue - “Genomics 2.0: Infectious Disease and Host-Pathogen Interaction ” & “Extracellular Vesicles in Microbes, Pathogens and Infectious Diseases”
 - IJMS Section Topic Editor Board for “Molecular Pathology, Diagnostics and Therapeutics”
- European Cooperation in Science & Technology COST action CA20110 – RNA communication across kingdoms: new mechanisms and strategies in pathogen control (exRNA-PATH)
 - Working group member
- **Ad-hoc journal reviewer**
 - Journal of Extracellular Vesicles; Journal of Clinical Microbiology; Diagnostic Microbiology and Infectious Disease; Viruses; Virology Journal; Microorganisms, Molecules; PLoS One; PLoS Neglected Tropical Diseases; International Journal of Molecular Sciences; Frontiers Cellular and Infection Microbiology

Funded external grants:

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|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2022 | General Research Fund (GRF)

HK\$1,180,218 (Principal-applicant) Mechanistic study of the modulation of antifungal susceptibility by <i>Candida auris</i> extracellular vesicles. |
| 2021 | Health and Medical Research Fund (HMRF)

HK\$1,149,160 (Principal-applicant) Novel small RNA-based diagnostics and therapeutics for SARS-CoV-2. |
| 2020 | HMRF Commissioned Research Fund on the Novel Coronavirus Disease (COVID-19)

HK\$2,998,853 (co-applicant) SARS-CoV-2 infection dynamics in bat and human cells: tissue tropism and differential host response for elucidating of evolutionary pathway and exploration of potential treatment targets. |
| 2020 | General Research Fund (GRF)

HK\$1,195,482) (co-investigator) Elucidating the molecular pathogenesis and mechanism of hypervirulence in virus infected <i>Talaromyces marneffeii</i> . |

Publications: (H-index: 20; i10-index: 29; Citations >1700 by Google Scholar)

<https://scholar.google.com/citations?user=BG-Z2uoAAAAJ&hl>

1. Chan W, **Chow FWN**, Tsang CC, Liu X, Yao W, Chan TT, Siu GK, Ho AY, Luk KS, Lau SK, Woo PC. Induction of amphotericin B resistance in susceptible *Candida auris* by extracellular vesicles. **Emerg Microbes Infect.** 2022 Dec;11(1):1900-1909. (IF 2021: 19.568)
2. Chen Z, Zhao K, Tan B, Tong Z, He Z, Luo X, Cai L, Wang H, Leung PHM, **Chow FWN**, Chen H, Deng Y. Development of a high specificity typing method for the detection of herpes simplex virus. **Front Bioeng Biotechnol.** 2022 Aug 17;10: 955713. (IF 2021: 6.064)

3. Liu T, Deng Y, Li S, **Chow FWN**, Liu M, He N. Monitoring and detection of antibiotic residues in animal derived foods: Solutions using aptamers. **Trends in Food Science & Technology**. 2022 July; 125:200-235 (IF 2021: 16.002)
4. Lau SKP, He Z, Tsang CC, Chan TTY, Luk HKH, Chan E, Li KSM, Fung J, **Chow FWN**, Tam AR, Chung TWH, Wong SCY, Que TL, Fung KSC, Lung DC, Wu AKL, Hung IFN, Teng JLL, Wernery U, Hui SW, Martelli P, Woo PCY. A Sensitive and Specific Competitive Enzyme-Linked Immunosorbent Assay for Serodiagnosis of COVID-19 in Animals. **Microorganisms**. 2021 May 10;9(5):1019. (IF 2021: 4.926)
5. **Chow FWN**, Chan TTY, Tam AR, Zhao S, Yao W, Fung J, Cheng FK, Lo GC, Chu S, Aw-Yong KL, Tang JY, Tsang CC, Luk HK, Wong AC, Li KS, Tam EWT, Chung TW, Wong SCY, Que TL, Fung KS, Lung DC, Wu AK, Hung IF, Woo PC, Lau SK. A Rapid, Simple, Inexpensive, and Mobile Colorimetric Assay COVID-19-LAMP for Mass On-Site Screening of COVID-19. **Int J Mol Sci**. 2020 Jul 29;21(15):5380. (IF 2021: 6.208)
6. White R, Kumar S, **Chow FWN**, Robertson E, Hayes KS, Grecis RK, Duque-Correa MA, Buck AH. Extracellular vesicles from *Heligmosomoides bakeri* and *Trichuris muris* contain distinct microRNA families and small RNAs that could underpin different functions in the host. **Int J Parasitol**. 2020 Aug;50(9):719-729. (IF 2021: 4.330)
7. Bermúdez-Barrientos JR, Ramírez-Sánchez O, **Chow FWN**, Buck AH, Abreu-Goodger C. Disentangling sRNA-Seq data to study RNA communication between species. **Nucleic Acids Res**. 2020 Feb 28;48(4):e21. (IF 2021: 19.160)
8. Quintana JF, Kumar S, Ivens A, **Chow FWN**, Hoy AM, Fulton A, Dickinson P, Martin C, Taylor M, Babayan SA, Buck AH. Comparative analysis of small RNAs released by the filarial nematode *Litomosoides sigmodontis* in vitro and in vivo. **PLoS Negl Trop Dis**. 2019 Nov 26;13(11):e0007811. (IF 2021: 4.781)
9. Lau SKP, Luk HKH, Wong ACP, Fan RYY, Lam CSF, Li KSM, Ahmed SS, **Chow FWN**, Cai JP, Zhu X, Chan JFW, Lau TCK, Cao K, Li M, Woo PCY, Yuen KY. Identification of a Novel Betacoronavirus Merbecovirus in Amur Hedgehogs from China. **Viruses**. 2019 Oct 24;11(11):980. (IF 2021: 5.818)
10. **Chow FWN**, Koutsovoulos G, Ovando-Vázquez C, Neophytou K, Bermúdez-Barrientos J, Laetsch DR, Robertson E, Kumar S, Claycomb J, Blaxter M, Abreu-Goodger C, Buck A. Secretion of an Argonaute protein by a parasitic nematode and the evolution of its siRNA guides. **Nucleic Acids Res**. 2019 Apr 23;47(7):3594-3606. (IF 2021: 19.160)
11. Lau SKP, Lo GCS, **Chow FWN**, Fan RYY, Cai JJ, Yuen KY, Woo PCY. Novel partitivirus enhances virulence of and causes aberrant gene expression in *Talaromyces marneffeii*. **mBio**. 2018 Jun 12;9(3). (IF 2021: 7.786)
12. Driedonks TAP, van der Grein SG, Ariyurek Y, Buermans HPJ, Jekel H, **Chow FWN**, Wauben MHM, Buck AH, 't Hoen PAC, Nolte-'t Hoen ENM. Immune stimuli shape the small non-coding transcriptome of extracellular vesicles released by dendritic cells. **Cell Mol Life Sci**. 2018 May 28. (IF 2021: 9.237)
13. Hearn J, **Chow FWN**, Barton H, Tung M, Wilson P, Blaxter M, Buck A, Little TJ. *Daphnia magna* microRNAs respond to nutritional stress and ageing but are not transgenerational. **Mol Ecol**. 2018 Feb 8. (IF 2021: 6.622)
14. Mateescu B, Kowal EJK, van Balkom BWM, Bartel S, Bhattacharyya SN, Buzás EI, Buck AH, de Candia P, **Chow FWN**, Das S, Driedonks TA, Fernández-Messina L, Haderk F, Hill AF, Jones JC, Van Keuren-Jensen KR, Lai CP, Lässer C, Liegro ID, Lunavat TR, Lorenowicz MJ, Maas SL, Mäger I, Mittelbrunn M, Momma S, Mukherjee K, Nawaz M, Pegtel DM, Pfaffl MW, Schiffelers RM, Tahara H, Théry C, Tosar JP, Wauben MH, Witwer KW, Nolte-'t Hoen EN. Obstacles and opportunities in the functional analysis of extracellular vesicle RNA – an ISEV position paper. **J Extracell Vesicles**. 2017; 6(1): 1286095. (IF 2021: 17.337)
15. Woo PC, Lau SK, Tsang CC, Lau CC, Wong PC, **Chow FWN**, Fong JY, Yuen KY. Coronavirus HKU15 in respiratory tract of pigs and first discovery of coronavirus quasispecies in 5'-untranslated region. **Emerg Microbes Infect**. 2017 Jun 21;6(6):e53. (IF 2021: 19.568)

16. Woo PCY, Lau SKP, Tsoi HW, Patteril NG, Yeung HC, Joseph S, Wong EYM, Muhammed R, **Chow FWN**, Wernery U, Yuen KY. Two novel dromedary camel bocaparvoviruses from dromedaries in the Middle East with unique genomic features. **J Gen Virol.** 2017 Jun;98(6):1349-1359. (IF 2021: 5.141)
17. Lau SK, Lo GC, Lam CS, **Chow WN**, Ngan AH, Wu AK, Tsang DN, Tse CW, Que TL, Tang BS, Woo PC. In Vitro Activity of Posaconazole against *Talaromyces marneffeii* by Broth Microdilution and Etest Methods and Comparison to Itraconazole, Voriconazole, and Anidulafungin. **Antimicrob Agents Chemother.** 2017 Feb 23;61(3). (IF 2021: 5.938)
18. Lau SK, **Chow WN**, Foo CH, Curreem SO, Lo GC, Teng JL, Chen JH, Ng RH, Wu AK, Cheung IY, Chau SK, Lung DC, Lee RA, Tse CW, Fung KS, Que TL, Woo PC. *Elizabethkingia anophelis* bacteremia is associated with clinically significant infections and high mortality. **Sci Rep.** 2016 May 17; 6:26045. (IF 2021: 4.996)
19. Lau SK, Lam CS, Ngan AH, **Chow WN**, Wu AK, Tsang DN, Tse CW, Que TL, Tang BS, Woo PC. Matrix-assisted laser desorption ionization time-of-flight mass spectrometry for rapid identification of mold and yeast cultures of *Penicillium marneffeii*. **BMC Microbiol.** 2016 Mar 10; 16:36. (IF 2021: 4.465)
20. Lau SK, Yip CC, Zhao PS, **Chow WN**, To KK, Wu AK, Yuen KY, Woo PC. Enterovirus D68 infections associated with severe respiratory illness in elderly patients and emergence of a novel clade in Hong Kong. **Sci Rep.** 2016 Apr 28; 6:25147. (IF 2021: 4.996)
21. Lau SK, Lee KC, Lo GC, Ding VS, **Chow WN**, Ke TY, Curreem SO, To KK, Ho DT, Sridhar S, Wong SC, Chan JF, Hung IF, Sze KH, Lam CW, Yuen KY, Woo PC. Metabolomic profiling of plasma from melioidosis patients using UHPLC-QTOF MS reveals novel biomarkers for diagnosis. **Int J Mol Sci.** 2016 Feb 27;17(3):307. (IF 2021: 6.208)
22. Lau SK, Lee KC, Curreem SO, **Chow WN**, To KK, Hung IF, Ho DT, Sridhar S, Li IW, Ding VS, Koo EW, Wong CF, Tam S, Lam CW, Yuen KY, Woo PC. Metabolomic profiling of plasma from patients with tuberculosis by use of untargeted mass spectrometry reveals novel biomarkers for diagnosis. **J Clin Microbiol.** 2015 Dec;53(12):3750-9. (IF 2021: 11.677)
23. Lau SKP, Lam CW, Curreem SOT, Lee KC, **Chow WN**, Lau CCY, Sridhar S, Wong SCY, Martelli P, Hui SW, Yuen KY, Woo PCY. Metabolomic profiling of *Burkholderia pseudomallei* using UHPLC-ESI-Q-TOF-MS reveals specific biomarkers including 4-methyl-5-thiazoleethanol and unique thiamine degradation pathway. **Cell & Bioscience.** 2015 Jun 2; 5:26. (IF 2021: 9.606)
24. Lau SKP, Lam CW, Curreem SOT, Lee KC, Lau CCY, **Chow WN**, Ngan AHY, To KKW, Chan JFW, Hung IFN, Yam WC, Yuen KY, Woo PCY. Identification of specific metabolites in culture supernatant of *Mycobacterium tuberculosis* using metabolomics approach: an exploration of potential biomarkers for diagnosis. **Emerg Microbes Infect.** 2015 4, e6 (IF 2021: 19.568)
25. Lau SK, Feng Y, Chen H, Luk HK, Yang WH, Li KS, Zhang YZ, Huang Y, Song ZZ, **Chow WN**, Fan RY, Ahmed SS, Yeung HC, Lam CS, Cai JP, Wong SS, Chan JF, Yuen KY, Zhang HL, Woo PC. Severe acute respiratory syndrome (SARS) coronavirus ORF8 protein is acquired from SARS-related coronavirus from greater horseshoe bats through recombination. **J Virol.** 2015 Oct;89(20):10532-47. (IF 2021: 6.549)
26. Lau SKP, Sridhar S, Ho CC, **Chow WN**, Lee KC, Lam CW, Yuen KY, Woo PC. Laboratory diagnosis of melioidosis: Past, present and future. **Exp Biol Med.** 2015 Jun;240(6):742-51. (IF 2021: 4.088)
27. Yang E, **Chow WN**, Wang G, Woo, PCY, Lau SKP, Yuen KY, Lin X, Cai JJ. Signature gene expression reveals novel clues on the mechanism of dimorphic transition in *Penicillium marneffeii*. **PLoS Genetics.** 2014 Oct 16;10(10): e1004662. (IF 2021: 6.020)
28. Yang E, Wang G, Woo PC, Lau SKP, Chong KTK, Tse H, Kao RYT, Chan CM, **Chow WN**, Yuen KY, Cai JJ. Unraveling the molecular basis of temperature-dependent genetic regulation in *Penicillium marneffeii*. **Eukaryotic Cell.** 2013 Sep;12(9):1214-24. (IF 2016: 3.12, now renamed to mSphere IF 2021: 5.029)
29. Lau SKP*, **Chow WN***, Wong AYP, Yeung JMY, Bao J, Zhang N, Lok S, Woo PC, Yuen KY. Identification of microRNA-like RNAs in mycelial and yeast phases of the thermal dimorphic fungus *Penicillium marneffeii*. **PLoS Negl Trop Dis.** 2013 Aug 22;7(8):e2398. (IF 2021: 4.781)
30. Woo PC, Lau SKP, Liu B, Cai JJ, Chong KT, Tse H, Kao RY, Chan CM, **Chow WN**, Yuen KY. Draft genome sequence of *Penicillium marneffeii* strain PM1. **Eukaryotic Cell.** 2011 Dec;10(12):1740-1. (IF 2016: 3.12, now renamed to mSphere IF 2021: 5.029)

31. **Chow WN**, Lee YL, Wong PC, Chung MK, Lee KF, Yeung WS. Complement 3 deficiency impairs early pregnancy in mice. **Mol Reprod Dev.** 2009 Jul;76(7):647-55. (IF 2021: 2.812)
32. Tse PK, Lee YL, **Chow WN**, Luk JMC, Lee KF, Yeung WSB. Preimplantation embryos co-operate with oviductal cells to produce embryotrophic iC3b. **Endocrinology**, 2008 Mar ;149(3):1268-76. (IF 2021: 5.051)
33. Lee YL, Chan YL, **Chow WN**, Ng EH, Lee KF, Yeung WSB, Ho PC. EG-VEGF stimulates proliferation and tube formation in human uterine microvascular endothelial cell through the MAPK but not the Akt pathway. **Fertility and Sterility.** 2009 May;91(5 Suppl):2163-71. (IF 2021: 7.490)
34. Lee YL, Cheong AWY, **Chow WN**, Lee KF, Yeung WSB. Regulation of Complement 3 expression in human and mouse oviducts. **Mol Reprod Dev**, 2009 Mar;76(3):301-8. (IF 2021: 2.812)

Conference papers/Abstracts:

1. José Roberto Bermúdez Barrientos, Obed Ramírez-Sánchez, **FWN Chow** , Amy H Buck , Cei Abreu-Goodger. (2020) Disentangling sRNA-Seq data to study RNA communication between species. RNA 2020. Online. May 26-31,2020.
2. **FWN Chow**, Georgios Koutsovoulos, Cesare Ovando Vazquez, Dominik Laetsch, José Roberto Bermúdez Barrientos, Julie Claycomb, Mark Blaxter, Cei Abreu-Goodger and Amy Buck (2018) A parasitic nematode harness novel repeats and an Argonaute protein for sRNA secretion in EV: Scope for communication with the mouse host. Edinburgh Infectious Diseases Symposium: Vesicles, Extracellular RNA and Infectious Disease workshop 2018. City Chambers, Edinburgh, United Kingdom, 9th May 2018.
3. **FWN Chow**, Georgios Koutsovoulos, Cesare Ovando Vazquez, Dominik Laetsch, José Roberto Bermúdez Barrientos, Julie Claycomb, Mark Blaxter, Cei Abreu-Goodger and Amy Buck (2018) A parasitic nematode harness novel repeats and an Argonaute protein for sRNA secretion in EV: Scope for communication with the mouse host. 7th Annual Edinburgh Infectious Diseases Symposium, University of Edinburgh, United Kingdom, 23 May 2018
4. Tom Driedonks, Susanne van der Grein, Yavuz Ariyurek, Henk Buermans , Henrike Jekel , **FWN Chow** , Amy Buck , Marca Wauben , Peter-Bram 't Hoen and Esther Nolte-'t-Hoen (2017) Differences and similarities in full-length and fragmented non-coding RNA biotypes in EV from differentially stimulated dendritic cells. OF 16.01 The Sixth International Meeting of ISEV, ISEV2017, Toronto, Canada, 18– 21 May 2017.
5. **FWN Chow**, Cesare Ovando Vazquez, Georgios Koutsovoulos, José Roberto Bermúdez Barrientos, Tuhin Maity, Mark Blaxter, Julie Claycomb, Cei Abreu-Goodger and Amy Buck (2017) Vesicle-mediated cross-species RNA interference between the gastrointestinal nematode *Heligmosomoides polygyrus* and its mouse host. OS 22.02 The Sixth International Meeting of ISEV, ISEV2017, Toronto, Canada, 18– 21 May 2017.
6. Jose Roberto. Bermúdez, **FWN Chow**, Amy Buck and Cei Abreu-Goodger (2017) *Heligmosomoides polygyrus* vesicle-derived small RNAs inside mouse cells: detection and targets. LBP.70 The Sixth International Meeting of ISEV, ISEV2017, Toronto, Canada, 18– 21 May 2017.
7. **FWN Chow**, Cesare Ovando-Vazquez, Georgios Koutsovoulos, Tuhin Maity, Mark Blaxter, Julie Claycomb, Cei Abreu-Goodger, Amy Buck (2017) Investigation of extracellular small RNAs of *Heligmosomoides polygyrus*: Scope for RNAi mediated cross-species communication. Centre for Immunity, Infection and Evolution symposium: Information transmission in small RNA pathways. Royal Society of Edinburgh, United Kingdom, 10th March 2017.
8. **FWN Chow**, Cesare Ovando-Vazquez, Georgios Koutsovoulos, Tuhin Maity, Mark Blaxter, Julie Claycomb, Cei Abreu-Goodger, Amy Buck (2016) Investigation of extracellular small RNAs of *Heligmosomoides polygyrus*: Scope for RNAi mediated cross-species communication. Exosomes/Microvesicles: Novel Mechanisms of Cell-Cell Communication. Keystone Resort, Keystone, Colorado USA, 19-22 June 2016
9. **FWN Chow**, Cesare Ovando-Vazquez, Georgios Koutsovoulos, Tuhin Maity, Mark Blaxter, Julie Claycomb, Cei Abreu-Goodger, Amy Buck (2016)

- Investigation of extracellular small RNAs of *Heligmosomoides polygyrus*: Scope for RNAi mediated cross-species communication. UK ISEV Forum 2016. Oxford, 13th December 2016.
10. Fanny Nowacki, Martin Swain, **FWN Chow**, Juan Quantana, Oleg Klychnikov, Paul Hensbergen, Amy Buck, Cornelis H Hokke, Karl Hoffmann (2016)
Schistosoma mansoni extracellular vesicles contain a rich collection of host regulatory biomolecules. Hydra 2016 Molecular and Cellular Biology of Helminth Parasites VIV. Hydra, Greece.
 11. Ovando-Vazquez C, **FWN Chow**, Koutsovoulos G, Maity T, Blaxter M, Claycomb J, Buck AH, Abreu-Goodger C (2016)
 Extracellular small RNAs during parasite-host communication. 2nd International Summer Symposium on Systems Biology. August 2-4, 2016. Ciudad de México, México.
 12. Ovando-Vazquez C, **FWN Chow**, Koutsovoulos G, Maity T, Blaxter M, Claycomb J, Buck AH, Abreu-Goodger C (2016)
 Extracellular small RNAs during parasite-host communication. 1st International Symposium on Functional Genomics and Systems Biology. August 11, 2016. Cuernavaca, Morelos, México.
 13. Bermúdez-Barrientos JR, Ovando-Vázquez C, **FWN Chow**, Koutsovoulos G, Laetsch DR, Claycomb JM, Blaxter M, Buck AH, Abreu-Goodger C (2017)
 An extracellular RNA interference pathway as a mechanism of parasite-host communication. BIRS Workshop: Challenges and Synergies in the Analysis of Large-Scale Population-Based Biomedical Data. November 26 - December 1, 2017. Oaxaca, Oaxaca, Mexico.
 14. Bermúdez-Barrientos JR, Ovando-Vázquez C, **Chow FWN**, Koutsovoulos G, Laetsch DR, Claycomb JM, Blaxter M, Buck AH, Abreu-Goodger C (2018)
 Species interactions mediated by small RNAs. 3rd International Symposium on Bioinformatics. May 24-25, 2018. Cuernavaca, Morelos, México.
 15. S Shore, JM Henderson, **FWN Chow**, EWT Tam, JF Quintana, K Chhatbar, AP McCaffrey, G Zon, A Buck, RI Hogrefe (2016)
 Improved small RNA library preparation for ultra-low input sample types, in NGS, SCA, SMA, and Mass Spec: research to diagnostics, San Diego, CA, USA
 16. S Shore, JM Henderson, JF Quintana, **FWN Chow**, K Chhatbar, AP McCaffrey, G Zon, A Buck, RI Hogrefe (2016)
 Improving NGS small RNA discovery in biological fluids and other low input samples, in keystone symposia—small RNA silencing: little guides, big biology (A6), Keystone, USA
 17. **FWN Chow**, Cesare Ovando-Vazquez, Georgios Koutsovoulos, Tuhin Maity, Mark Blaxter, Julie Claycomb, Cei Abreu-Goodger and Amy Buck (2016)
 Investigation of extracellular small RNAs of *Heligmosomoides polygyrus*: scope for RNAi mediated cross-species communication. OT10.4 The Fifth International Meeting of ISEV, ISEV2016, Rotterdam, The Netherlands, 4 – 7 May 2016
 18. **FWN Chow**, Cei Abreu-Goodger, Julie Claycomb, Amy H. Buck (2015)
 Investigation of extracellular RNA in *Heligmosomoides polygyrus*: Are we witnessing cross species communication? Hydra 2015 Molecular and Cellular Biology of Helminth Parasites VIII. Hydra, Greece.
 19. Amy Buck, Tuhin Maity, **FWN Chow**, Georgios Koutsovoulos, Cesare Ovando-Vázquez, Mark Blaxter, Cei Abreu-Goodger, Julie Claycomb (2015)
 Using *C. elegans* as a Tool to Decipher the Mechanisms of Extracellular Small RNA Pathways in the Parasitic Nematode, *H. polygyrus*. 20th International *C. elegans* Conference. UCLA, 24-28 June 2015.
 20. **FWN Chow**, Cei Abreu-Goodger, Julie Claycomb, Amy H. Buck (2015)
 Investigation of extracellular RNA in *Heligmosomoides polygyrus*: Are we witnessing cross species communication? 5. Hydra 2015 Molecular and Cellular Biology of Helminth Parasites VIII. Hydra, Greece.
 21. Lo CS, Lau SKP, **Chow WN**, Woo PCY, Yuen KY. (2013)
 A novel dsRNA mycovirus in human pathogenic fungus *Penicillium marneffeii*. P4.16 17th Research Postgraduate Symposium, HKU 2013, The University of Hong Kong. 13 Dec, Hong Kong.
 22. **Chow WN**, Woo PC, Yuen KY and Lau SKP. (2012)

Identification of microRNA in *Penicillium marneffei*. P4.02 Research Postgraduate Symposium, HKU 2012, The University of Hong Kong. 13 Dec, Hong Kong.

23. **Chow WN**, Lee YL, Wong PC, Tse PK, Chung MK, Lee KF, Yeung WSB. (2006)
Complement-3 (C3) expression and fertility study in mice. P4.19. Frontiers in Biomedical Research, HKU 2006, The University of Hong Kong. 7 Dec, Hong Kong.
24. Lee YL, Tse PK, **Chow WN**, Lee KF, Yeung WSB (2006)
Hormonal regulation and convertase activities of complement 3 in human oviductal epithelial cells. P.245. Society for Reproductive Biology - 37th Annual Scientific Meeting. Aug 20-23, Gold Coast, Australia.
25. **Chow WN**, Lee YL, Wong PC, Chung MK, Tse PK, Lee KF, Yeung WSB (2006)
Fertility study of complement-3 in mice. P.304. Society for Reproductive Biology - 37th Annual Scientific Meeting. Aug 20-23, Gold Coast, Australia.
26. Yeung WS, Lee YL, **Chow WN**, Lee KF (2005)
The dose response and culture medium effect of iC3b on mouse preimplantation embryo development. Conjoint annual meeting of the American society for Reproductive Medicine and the Canadian Fertility and Andrology society, ASRM/CFA 2005. 15-19 Oct, Montreal, Quebec, Canada.