CURICULLUM VITAE

Linfa (Lin-Fa) Wang

Programme in Emerging Infectious Diseases
Duke-NUS Medical School
8 College Road
Singapore 169857, VIC 3220

Tel. +65-65167256 (office)
Tel. +65-90297056 (mobile)
Email: linfa.wang@duke-nus.edu.sg

PERSONAL DETAILS

Birthdate:	May 31, 1960
Birthplace:	Shanghai, China
Sex:	Male
Citizen:	Australian
Marriage:	Married with two children

ACADEMIC QUALIFICATIONS

Ph.D. Biochemistry (Molecular Biology), University of California, Davis. June, 1986.

B.S. (Honour) Biology (Biochemistry), East China Normal University, Shanghai, China, January 1982.

EMPLOYMENT AND RESEARCH EXPERIENCE

2012.7-present	Director and Professor, Program in Emerging Infectious Diseases, Duke-NUS Graduate Medical School, Singapore
2008.3-2015.8	OCE Science Leader, CSIRO Australian Animal Health Laboratory, Geelong, Vic.
2004.7-2008.2	Senior Principal Research Scientist and project leader, CSIRO Australian Animal Health Laboratory, Geelong, Vic.
2003.7-2010.6	Project Leader, Australian Biosecurity Cooperative Research Centre for Emerging Infectious Diseases (AB-CRC), Brisbane, Qld.
1996.7-2004.6	Principal Research Scientist and project leader, CSIRO Australian Animal Health Laboratory, Geelong, Vic.
1992.7-1996.6	Senior Research Scientist and project leader, CSIRO Australian Animal Health Laboratory, Geelong, Vic.
1990.12-1992.6	Research Scientist, CSIRO Australian Animal Health Laboratory, Geelong, Vic.

1990.5-1990.12	Senior Research Officer, the Centre for Molecular Biology and Medicine, Monash University, Clayton, Vic.
1989.5-1990.5	Senior Tutor, Department of Biochemistry, Monash University, Clayton, Vic.
1986.7-1989.3	Postdoctoral Research Fellow, Department of Biochemistry, University of California, Davis.
1982.10-1986.6	Postgraduate Student, Department of Biochemistry, University of California, Davis.

TEACHING EXPERIENCE

2012.7-present	Professor, Program in Emerging Infectious Diseases, Duke-NUS Graduate Medical School, Singapore
1996.2-2015.8	Supervisor for Ph.D. and Honours students, CSIRO Australian Animal Health Laboratory, Geelong, Vic.
1989.5-1990.5	Senior Tutor, Department of Biochemistry, Monash University, Clayton, Vic.
1989.3-1989.5	Associate Professor, Department of Biology, East China Normal University, Shanghai.
1983.9-1984.6	Teaching Assistant, Department of Biochemistry, University of California, Davis.
1982.1-1982.9	Assistant Teacher, Department of Biology, East China Normal University, Shanghai.

HONORARY POSITIONS AND INVITED MEMBERSHIPS

Professor, Duke Global Health Institute, Duke University (2012-)

Honorary Professor, University of Melbourne (2009-)

Honorary Professor, Wuhan Institute of Virology, Chinese Academy of Sciences (2005-)

Adjunct Professor, East China Normal University (1989-)

Adjunct Professor, Deakin University (1989-)

Editorial Board, Asia Pacific Journal of Molecular Biology and Biotechnology (1996-)

Editorial Board, Immunology Laboratory Manuals, R.D. Landes Company Biomedical Publishers, Austin, USA. (1997-)

Editorial Board, Academic Journals, New York, USA (2005-)

Editorial Board, Chinese Journal of Virology (2006-)

Editorial Board, Zoonoses and Public Health (2006-)

Editorial Board, Frontiers in Virology (2010-)

Editorial Board, Journal of Bioterrorism and Biodefense (2011-)

Editor-in-Chief, Virology Journal (2012-)

WHO SARS Scientific Research Advisory Committee (2003)

WHO SARS Animal Reservoir Working Group (2003)

WHO SARS Laboratory Diagnosis Working Group (2003)

NH&MRC Grant Review Panel (2006)

NH&MRC Grant Review Panel (2007)

ARC Future Fellowship Selection Advisory Committee (Medical and Health) (2009)

Member of Biotechnology Advisory Board, Deakin University (2003-)

Chair, Scientific Advisory Board, Centre for Emerging Infectious Diseases, Wuhan Institute of Virology, Chinese Academy of Sciences (2007-)

Member of International Scientific Advisory Board, Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences (2010-)

Chair, Study Group of Paramyxoviridae, International Committee on Virus Taxonomy (2009-2015)

Member, Study Group of Paramyxoviridae, International Committee on Virus Taxonomy (2016-)

Board of Directors, Singapore Eye Research Institute (2012-)

Executive Committee, Australasian Society of Virology (2012-2015)

WHO International Health Regulations Roster of Experts on Zoonoses (2013-)

Advisory Board of Investigative Medicine Unit, SingHealth (2014-)

World Economic Forum Global Health Security Advisory Board (2017-)

AWARDS AND FELLOWSHIPS

Winner of Eureka Prize for Infectious Disease Research, 2014

Finalist, Prime Minister Award for Science, Australia 2014

Finalist, President Science Award, Singapore 2014

ASM Bazeley Orator, Melbourne 2014

CSIRO Chairman's Medal, 2013

Finalist, Eureka Prize for Infectious Disease Research, 2013

Gardner Lecturer, European Society for Clinical Virology, 2012

Elected Fellow of the Australian Academy of Technological Sciences and Engineering, 2010

CSIRO OCE Science Leader, 2008

CSIRO Service from Science Award, 2008 (Equine Influenza Team)

Finalist, Eureka Prize for Scientific Research, 2007

CSIRO Award for Excellence in Partnership, 2006 (SARS Team)

CSIRO CLI Award for Excellence in Partnership, 2006

Finalist, Australian Chinese Achiever's Award (Science & Engineering), 1996

Nominee and participant of the CEO's Workshop for CSIRO Outstanding Young Staff, 1994

Research Award for Outstanding Young University Teachers, The Huo-Ying-Dong Education Fundation, 1992-1995.

Research Award for Outstanding Young Scientist, The National Science Foundation of China, 1988-1990

Michael Swackhamer Fellowship, Department of Biochemistry, University of California, Davis, 1985-1986

UCD Graduate Research Award, University of California, Davis, 1985-1986

Earle C. Anthony Fellowship, University of California, Davis, 1985-1986

Jastro-Shields Graduate Research Scholarship, University of California, Davis, 1984-1985

Peter J. Shields Fellowship, University of California, Davis, 1984-1985

Chinese Government Graduate Scholarship, The Ministry of Education, The People's Republic of China, 1982-1983

Outstanding Undergraduate Award, East China Normal University, 1981-1982

PROFFESIONAL MEMBERSHIPS

Australian Society for Biochemistry and Molecular Biology

Australian Society for Microbiology

Australasian Society for Virology

American Society for Microbiology

PUBLICATION

Refereed Journal Papers

1. Zhang Q, Zeng LP, Zhou P, Irving AT, Li S, Shi ZL, **Wang L-F.** (2017) IFNAR2-dependent gene expression profile induced by IFN-α in Pteropus alecto bat cells and impact of IFNAR2 knockout on virus infection. **PLoS One 12**:e0182866.
2. Cowled C, Foo CH, Deffrasnes C, Rootes CL, Williams DT, Middleton D, **Wang L-F**, Bean AGD, Stewart CR. (2017) Circulating microRNA profiles of Hendra virus infection in horses. **Sci Rep 7**: 7431.
3. Stewart CR, Deffrasnes C, Foo CH, Bean AGD, **Wang L-F**. (2017) A Functional Genomics Approach to Henipavirus Research: The Role of Nuclear Proteins, MicroRNAs and Immune Regulators in Infection and Disease. **Curr Top Microbiol Immunol** doi: 10.1007/82_2017_28.
4. Ng JHJ, Tachedjian M, **Wang L-F**, Baker ML. (2017) Insights into the ancestral organisation of the mammalian MHC class II region from the genome of the pteropid bat, Pteropus alecto. **BMC Genomics 18:** 388. doi: 10.1186/s12864-017-3760-0.
5. Fouchier RA, **Wang L-F**. (2017) Editorial overview: Intraspecies transmission of viruses: Human-to-human transmission. **Curr Opin Virol 22**: v-vii.
6. Yang XL, Zhang YZ, Jiang RD, Guo H, Zhang W, Li B, Wang N, Wang L, Waruhiu C, Zhou JH, Li SY, Daszak P, **Wang L-F**, Shi ZL. (2017) Genetically Diverse Filoviruses in Rousettus and Eonycteris spp. Bats, China, 2009 and 2015. **Emerg Infect Dis. 23**: 482-486.
7. Alfonso CL, Amarasinghe GK, Bào Y, Basler CF, Bavari S, Beer M, Bejerman N, Blasdell KR, Bochnowski A, Briese T, Bukreyev A, Calisher CH, Chandran K, Collins PL, Dietzgen RG, Dolnik O, Dürrwald R, Dye JM, Easton AJ, Ebihara H, Fang Q, Formenty P, Fouchier RA, Ghedin E, Harding RM, Hewson R, Higgins CM, Hong J, Horie M, James AP, Jiāng D, Kobinger GP, Kondo H, Kurath G, Lamb RA, Lee B, Leroy EM, Li M, Maisner A, Mühlberger E, Netesov SV, Nowotny N, Patterson JL, Payne SL, Paweska JT, Pearson MN, Randall RE, Revill PA, Rima BK, Rota P, Rubbenstroth D, Schwemmle M, Smither SJ, Song Q, Stone DM, Takada A, Terregino C, Tesh RB, Tomonaga K, Tordo N, Towner JS, Vasilakis N, Volchkov VE, Wahl-Jensen V, Walker PJ, Wang B, Wang D, Wang F, **Wang LF**, Werren JH, Whitfield AE, Yan Z, Ye G, Kuhn JH. (2017) Taxonomy of the order Mononegavirales: update 2017. **Arch Virol. 161:** 2351-2360**.**

8. Wijaya L, Tham CY, Chan YF, Wong AW, Li LT, **Wang L-F**, Bertoletti A, Low JG. (2017) An accelerated rabies vaccine schedule based on toll-like receptor 3 (TLR3) agonist PIKA adjuvant augments rabies virus specific antibody and T cell response in healthy adult volunteers. **Vaccine 35**: 1175–1183
9. McLinton EC, Wagstaff KM, Lee A, Moseley GW, Marsh GA, **Wang L-F**, Jans DA, Lieu KG, Netter HJ. (2017) Nuclear localization and secretion competence are conserved among henipavirus matrix proteins. **J Gen Virol 98:** 563-576.
10. Foo CH, Rootes CL, Cowley K, Marsh GA, Gould CM, Deffrasnes C, Cowled CJ, Klein R, Riddell SJ, Middleton D, Simpson KJ, **Wang L-F**, Bean AG, Stewart CR. (2017) Dual microRNA Screens Reveal That the Immune-Responsive miR-181 Promotes Henipavirus Entry and Cell-Cell Fusion. **PLoS Pathog 12:** e1005974.
11. Martínez Gómez JM, Periasamy P, Dutertre CA, Irving AT, Ng JH, Crameri G, Baker ML, Ginhoux F, **Wang L-F**, Alonso S (2016) Phenotypic and functional characterization of the major lymphocyte populations in the fruit-eating bat Pteropus alecto. **Sci Rep.** 6:37796. doi: 10.1038/srep37796.
12. Zhou P, Chionh YT, Irac SE, Ahn M, Jia Ng JH, Fossum E, Bogen B, Ginhoux F, Irving AT, Dutertre CA, **Wang L-F** (2016) Unlocking bat immunology: establishment of Pteropus alecto bone marrow-derived dendritic cells and macrophages. **Sci Rep.** 6:38597. doi: 10.1038/srep38597.
13. Postler TS, Clawson AN, Amarasinghe GK, Basler CF, Bavari S, Benkő M, Blasdell KR, Briese T, Buchmeier MJ, Bukreyev A, Calisher CH, Chandran K, Charrel R, Clegg CS, Collins PL, de la Torre JC, DeRisi JL, Dietzgen RG, Dolnik O, Dürrwald R, Dye JM, Easton AJ, Emonet S, Formenty P, Fouchier RA, Ghedin E, Gonzalez JP, Harrach B, Hewson R, Horie M, Jiāng D, Kobinger G, Kondo H, Kropinski AM, Krupovic M, Kurath G, Lamb RA, Leroy EM, Lukashevich IS, Maisner A, Mushegian AR, Netesov SV, Nowotny N, Patterson JL, Payne SL, Paweska JT, Peters CJ, Radoshitzky SR, Rima BK, Romanowski V, Rubbenstroth D, Sabanadzovic S, Sanfaçon H, Salvato MS, Schwemmle M, Smither SJ, Stenglein MD, Stone DM, Takada A, Tesh RB, Tomonaga K, Tordo N, Towner JS, Vasilakis N, Volchkov VE, Wahl-Jensen V, Walker PJ, **Wang L-F**, Varsani A, Whitfield AE, Zerbini FM, Kuhn JH (2016) Possibility and Challenges of Conversion of Current Virus Species Names to Linnaean Binomials. **Syst Biol 66:** 463-473.
14. Mendenhall IH, Borthwick S, Neves ES, Low D, Linster M, Liang B, Skiles M, Jayakumar J, Han H, Gunalan V, Lee BP, Okahara K, **Wang L-F**, Maurer-Stroh S, Su YC, Smith GJ (2016) Identification of a Lineage D Betacoronavirus in Cave Nectar Bats (Eonycteris Spelaea) in Singapore and an Overview of Lineage D Reservoir Ecology in SE Asian Bats. **Transbound Emerg Dis**. doi: 10.1111/tbed.12568
15. Clayton BA, Middleton D, Arkinstall R, Frazer L, **Wang L**-F, Marsh GA. (2016) The Nature of Exposure Drives Transmission of Nipah Viruses from Malaysia and Bangladesh in Ferrets. **PLoS Negl Trop Dis 10(6)**: e0004775. doi:10.1371/journal.pntd.0004775
16. Burroughs AL, Durr PA, Boyd V, Graham K, White JR, Todd S, Barr J, Smith I, Baverstock G, Meers J, Crameri G, **Wang L-F.** (2016) Hendra Virus Infection Dynamics in the Grey-Headed Flying Fox (Pteropus poliocephalus) at the Southern-Most Extent of Its Range: Further Evidence This Species Does Not Readily Transmit the Virus to Horses**. PLoS One 11(6):**e0155252. doi: 10.1371/journal.pone.0155252.
17. Li X, Yang J, Liu B, Jia Y, Guo J, Gao X, Weng S, Yang M, Wang L, **Wang L-F,** Cui J, Chen H, Zhu Q (2016). Co-circulation of H5N6, H3N2, H3N8, and Emergence of Novel Reassortant H3N6 in a Local Community in Hunan Province in China. **Sci Rep. 6**:25549. doi: 10.1038/srep25549.
18. Peel AJ, Field HE, Reid PA, Plowright RK, Broder CC, Skerratt LF, Hayman DT, Restif O, Taylor M, Martin G, Crameri G, Smith I, Baker M, Marsh GA, Barr J, Breed AC, Wood JL, Dhand N, Toribio JA, Cunningham AA, Fulton I, Bryden WL, Secombe C, **Wang L-F** (2016). The equine Hendra virus vaccine remains a highly effective preventative measure against infection in horses and humans: 'The imperative to develop a human vaccine for the Hendra virus in Australia'. **Infect Ecol Epidemiol. 6:**31658. doi: 10.3402/iee.v6.31658. eCollection 2016.
19. Crameri G, Durr PA, Klein R, Foord A, Yu M, Riddell S, Haining J, Johnson D, Hemida MG, Barr J, Peiris M, Middleton D, **Wang L-F** (2016). Experimental Infection and Response to Rechallenge of

Alpacas with Middle East Respiratory Syndrome Coronavirus. **Emerg Infect Dis**. 22:1071-4. doi: 10.3201/eid2206.160007. Epub 2016 Jun 15.

20. Wynne JW, Woon AP, Dudek NL, Croft NP, Ng JH, Baker ML, **Wang L-F,** Purcell AW (2016). Characterization of the Antigen Processing Machinery and Endogenous Peptide Presentation of a Bat MHC Class I molecule. **J Immunol. 196**:4468-76. doi: 10.4049/jimmunol.1502062. Epub 2016 Apr 27.
21. Smith CS, de Jong CE, Meers J, Henning J, **Wang L-F**, Field HE (2016) Coronavirus Infection and Diversity in Bats in the Australasian Region. **EcoHealth 13:**72-82. doi: 10.1007/s10393-016-1116-x. Epub 2016 Apr 5.
22. Cowled C, **Wang L-F** (2016). Animal genomics in natural reservoirs of infectious diseases. **Rev Sci Tech. 35:**159-74. doi: 10.20506/rst.35.1.2425.
23. Deffrasnes C, Marsh GA, Foo CH, Rootes CL, Gould CM, Grusovin J, Monaghan P, Lo MK, Tompkins SM, Adams TE, Lowenthal JW, Simpson KJ, Stewart CR, Bean AG, **Wang L-F**. (2016) Genome-wide siRNA Screening at Biosafety Level 4 Reveals a Crucial Role for Fibrillarin in Henipavirus Infection. **PLoS Pathog 12(3):**e1005478. doi: 10.1371/journal.ppat.1005478
24. Zhou P, Tachedjian M, Wynne JW, Boyd V, Cui J, Smith I, Cowled C, Ng JH, Mok L, Michalski WP, Mendenhall IH, Tachedjian G, **Wang L-F**, Baker ML. (2016) Contraction of the type I IFN locus and unusual constitutive expression of IFN-α in bats. **Proc Natl Acad Sci USA 113**: 2696-2701. doi: 10.1073/pnas.1518240113.
25. Ahn M, Cui J, Irving AT, **Wang L-F**. (2016) Unique Loss of the PYHIN Gene Family in Bats Amongst Mammals: Implications for Inflammasome Sensing. **Sci Rep 6**:21722. doi: 10.1038/srep21722.
26. Ng JH, Tachedjian M, Deakin J, Wynne JW, Cui J, Haring V, Broz I, Chen H, Belov K, **Wang L-F**, Baker ML. (2016) Evolution and comparative analysis of the bat MHC-I region. **Sci Rep 6**:21256. doi: 10.1038/srep21256.
27. Yang X-L, Hu B, Wang B, Wang M-N, Zhang Q, Zhang W, Wu L-J, Ge X-Y, Zhang Y, Daszak P, **Wang L-F** and Shi Z-L (2015) Isolation and characterization of a novel bat coronavirus closely related to the direct progenitor of SARS coronavirus. **J Virol 90:** 3253-3256.
28. Audsley MD; Marsh GA, Lieu KG, Tachedjian M, Joubert DA, **Wang L-F**, Jans DA and Mosely GW. The immune evasion function of J and Beilong virus V proteins is distinct from that of other paramyxoviruses, consistent with a separate "Jeilongvirus" genus. **J Gen. Virol 97**: 581-592
29. Liang Y-Z, Wu L-J, Zhang Q, Zhou P, Wang M-N, Yang X-L, Ge X-Y, **Wang L-F** and Shi Z-L (2015) Cloning, expression, and antiviral activity of interferon β from the Chinese microbat, Myotis davidii. **Virologica Sinica 30**: 425-432.
30. Hu B, G X-Y, **Wang L-F** and Shi Z-L (2015) Bat origin of human coronaviruses. **Virol J. 12**: 221. DOI 10.1186/s12985-015-0422-1
31. Ng M, Ndungo E, Kazmarek M, Herbert AS, Biswas R, Jangra RK, Hawkings J, Demogines A, Kuehne AI, Muuler MA, Yu M, **Wang L-F**, Kuhn JH, Dye JM, Sawyer SL and Chandran K (2015) The filovirus receptor NPC1 contributes to species-specific patterns of ebolavirus susceptibility in bats. **eLife 4**:e11785
32. Crameri G, Durr PA, Barr J, Yu M, Graham K, Williams OJ, Kayali G, Smith D, Peiris M, Mackenzie JS and **Wang L-F** (2015) Absence of MERS-CoV antibodies in feral camels in Australia: implications for the pathogen's origin and spread. **One Health 1:** 76-82.
33. Xu K, Chan YP, Bradel-Tretheway B, Akyol-Ataman Z, Zhu Y, Dutta S, Yan L, Feng Y, **Wang L-F**, Skiniotis G, Lee B, Zhou ZH, Broder CC, Aguilar HC and Nikolov DB (2015) Crystal Structure of the Pre-fusion Nipah Virus Fusion Glycoprotein Reveals a Novel Hexamer-of-Trimers Assembly. **PLoS Pathog**. 8;11(12):e1005322.
34. Cui J and **Wang L-F** (2015) Genomic Mining Reveals Deep Evolutionary Relationships between Bornaviruses and Bats. **Viruses** 7**:** 5792–5800; doi:10.3390/v7112906
35. Cui J, Tachedjian G and **Wang L-F** (2015) Bats and rodents shape mammalian retroviral phylogeny. **Sci Rpt 5,** 16561 doi:10.1038/srep16561

36. Liu KG, Marsh GA, **Wang L-F** and Netter HJ (2015) The non-pathogenic Henipavirus Cedar paramyxovirus phosphoprotein has a compromised ability to target STAT1 and STAT2. **Antiviral Research 124:** 69-76.
37. Tian J, Zhang X, Wu H, Liu C, Li Z, Hu X, Su S, **Wang L-F** and Qu L (2015) Blocking the PI3K/AKT Pathway Enhances Mammalian Reovirus Replication by Repressing IFN-stimulated Genes. **Frontiers in Microbiology** | doi: 10.3389/fmicb.2015.00886
38. Gao Y, Pallister J, Lapierre F, Crameri G, **Wang L-F**, Zhu Y. (2015) A rapid assay for Hendra virus IgG antibody detection and its titre estimation using magnetic nanoparticles and phycoerythrin. **J Virol Methods.** 2015 Sep 15;222:170-7. doi: 10.1016/j.jviromet.2015.05.008.
39. Boyed V, Smith I, Crameri G, Burrough AL, Durr PA, White J, Cowled C, Marsh GA and **Wang L-F** (2015) Development of multiplexed bead arrays for the simultaneous detection of nucleic acid from multiple viruses in bat samples. **J Virol Meth 223**: 5-12.
40. Voon K, Tan YF, Leong PP, Teng CL, Gunnasekaran R, Ujang K, Chua KP and **Wang L-F** (2015). Pteropine Orthoreovirus infection among out-patients with acute upper respiratory tract infection in Malaysia. **J Med Virol. 87:** 2143-59; DOI: 10.1002/jmv.24304
41. Jayme SI, Field HE, de Jong C, Olival KJ, Marsh G, Tagtag AM, Hughes T, Bucad AC, Barr J, Azul RR, Retes LM, Foord A, Yu M, Cruz MS, Santos IJ, Lim TM, Benigno CC, Epstein JH, **Wang L-F**, Daszak P and Newman SH (2015) Molecular evidence of Ebola Reston virus infection in Philippine bats. **Virol J. 12**(1):107.
42. Burroughs B, Tachedjian M, Crameri G, Durr P, Marsh G and **Wang L-F.** (2015) Complete Genome Sequence of Teviot Paramyxovirus: A Novel Rubulavirus Isolated from Fruit Bats in Australia**. J. Virol.** Genome Announc 3(2):e00177-15.
43. Wynne JW, Shiell BJ, Marsh G, Boyd V, Monaghan P, Zhou P, Klein R, Todd S, Mok L, Green D, Tachedjian M, Baker M, Matthews D and **Wang L-F.** (2014) Proteomics informed by transcriptomics reveals Hendra virus sensitizes bat cells to TRAIL mediated apoptosis. **Genome Biology 15**: 532 doi:10.1186/s13059-014
44. Monaghan P, Green D, Pallister J, Klein R, White J, Williams C, McMillan P, Tilley L, Lampe M, Hawes P and **Wang L-F.** (2014) Detailed morphological characterisation of Hendra virus infection of different cell types using super-resolution and conventional imaging. **Virol J 11:** 200
45. Dutertre CA, **Wang L-F**, Ginhoux F (2014). Aligning bona fide dendritic cell populations across species. **Cell Immunol 291**: 3-10. doi: 10.1016/j.cellimm.2014.08.006.
46. Chowdhury S, , Salah Uddin Khan SU, Crameri, C, Epstein JH, Broder CC, Islam A, Barr J,Daszak P, **Wang L-F,** Luby SP. (2014) Serological Evidence of Henipavirus Exposure in Cattle, Goats and Pigs in Bangladesh. **PLoS Negl Trop Dis 9:** e3302
47. Plowright RK, Eby P, Hudson PJ, Smith IL, Westcott D, Bryden WL, Middleton D, Reid PA, McFarlane RA, Martin G, Tabor GM, Skerratt LF, Anderson DL, Crameri G, Quammen D, Jordan D, Freeman P, **Wang L-F,** Epstein JH, Marsh GA, Kung NK, McCallum H. (2014) Eological dynamics of emerging bat virus spillover. **Proc. Biol Sci 282:** 20142124. doi: 10.1098/rspb.2014.2124.
48. Hudson NJ, Baker ML, Hart NS, Wynne JW, Gu Q, Huang Z, Zhang G, Ingham AB, **Wang L-F,** Reverter A. Sensory Rewiring in an Echolocator: Genome-Wide Modification of Retinogenic and Auditory Genes in the Bat *Myotis davidii*. **G3 4(10):**1825-35.
49. Cowled C, Stewart CR, Likic VA, Friedländer MR, Tachedjian M, Jenkins KA, Tizard ML, Cottee P, Marsh GA, Zhou P, Baker ML, Bean AG, **Wang L-F**. (2014) Characterisation of novel microRNAs in the Black flying fox (Pteropus alecto) by deep sequencing. **BMC Genomics**. **15:** 682.
50. Barr J, Smith C, Smith I, de Jong C, Todd S, Melville D, Broos A, Crameri S, Haining J, Marsh G, Crameri G, Field H, **Wang L-F.** (2014) Isolation of multiple novel paramyxoviruses from pteropid bat urine. **J Gen Virol 96:** 24-29. doi: 10.1099/vir.0.068106-0.
51. Zhou P, Cowled C, Mansell A, Monaghan P, Green D, Wu L, Shi Z, **Wang L-F**, Baker ML. (2014) IRF7 in the Australian black flying fox, Pteropus alecto: evidence for a unique expression pattern and functional conservation. **PLoS One 9(8):** e103875.

52. Dups J, Middleton D, Long F, Arkinstall R, Marsh GA1, **Wang L-F.** (2014) Subclinical infection without encephalitis in mice following intranasal exposure to Nipah virus-Malaysia and Nipah virus-Bangladesh.**Virol J. 11:** 102.
53. Wang J, Selleck P, Yu M, Ha W, Rootes C, Gales R, Wise T, Crameri S, Chen H, Broz I, Hyatt A, Woods R, Meehan B, McCullough S, **Wang L-F.** (2014) Novel phlebovirus with zoonotic potential isolated from ticks, Australia. **Emerg Infect Dis 20(6):** 1040-3.
54. Weir, D.L., Laing, E.D., Smith, I.L., **Wang, L.-F.** and Broder, C.C. (2014) Host cell virus entry mediated by Australian bat lyssavirus G envelope glycoprotein occurs through a clathrin-mediated endocytic pathway that requires actin and Rab5. **Virol. J. 11**:40
55. McNabb L, Barr J, Crameri G, Juzva S, Riddell S, Colling A, Boyd V, Broder C, **Wang L-F**, Lunt R. (2014) Henipavirus microsphere immuno-assays for detection of antibodies against Hendra virus. **J Virol Methods** doi: 10.1016/j.jviromet.2014.01.010.
56. Middleton D, Pallister J, Klein R, Feng YR, Haining J, Arkinstall R, Frazer L, Huang JA, Edwards N, Wareing M, Elhay M, Hashmi Z, Bingham J, Yamada M, Johnson D, White J, Foord A, Heine HG, Marsh GA, Broder CC, **Wang L-F.** (2014) Hendra virus vaccine, a one health approach to protecting horse, human, and environmental health. **Emerg Infect Dis.** http://dx.doi.org/10.3201/eid2003.131159
57. Ge XY, Li JL, Yang XL, Chmura AA, Zhu G, Epstein JH, Mazet JK, Hu B, Zhang W, Peng C, Zhang YJ, Luo CM, Tan B, Wang N, Zhu Y, Crameri G, Zhang SY, **Wang LF**, Daszak P, Shi Z (2013). Isolation and characterization of a bat SARS-like coronavirus that uses the ACE2 receptor. **Nature 503:** 535–538.
58. Wynne, J. and **Wang, L.-F.** (2013) Bats and viruses: friend or foe? **PLoS Path 9:** e1003651
59. Bean, A., Baker, M., Stewart, C.R., Cowled, C., Deffrasnes, C., **Wang, L.-F.** and Lowenthal, J.W. (2013) Studying immunity to zoonotic diseases in the natural host – keeping it real. **Nat Rev Immunol 13**: 851-861.
60. Peel, A.J., Sargan, D.R., Baker, K.S., Hayman, D.T.S., Barr, J.A., Crameri, G., Suu-Ire, R., Broder, C.C., Lembo, T., **Wang, L.-F.,** Fooks, A.R., Rossiter, S.J., Wood, J.L.N. and Cunningham, A.A. (2013) Continent-wide panmixia of an African fruit bat facilitates transmission of potentially zoonotic viruses. **Nat Commun** (doi:10.1038/ncomms3770)
61. Li, Z., Xu, J., Chen, Z., Gao, X., **Wang, L.-F.,** Basler, C., Sakamoto, K. and He, B (2013) The L Gene of J Paramyxovirus (JPV) Plays a Critical Role In Viral Pathogenesis, **J. Viol. 87:** 12990-12998
62. Jackie A Pallister, Reuben Klein, Rachel Arkinstall, Jessica Haining, Fenella Long, John R White, Jean Payne, Yan-Ru Feng, **Lin-Fa Wang**, Christopher C Broder and Deborah Middleton (2013) Vaccination of ferrets with a recombinant G glycoprotein subunit vaccine provides protection against Nipah virus disease for over 12 months. **Virol. J. 10**: 237.
63. Cui, J., Eden, J.-S., Holmes, E.C. and **Wang, L.-F.** (2013) Adaptive evolution of bat dipeptidyl peptidase 4 (dpp4): implications for the origin and emergence of Middle East respiratory syndrome coronavirus. **Virol. J.** 10:304
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