

# CURICULLUM VITAE

## Linfa (Lin-Fa) Wang

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### 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

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|----------------|--|
| 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-present	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.

## 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 Foundation, 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

## **HONORARY POSITIONS AND INVITED MEMBERSHIPS**

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-)  
Board of Directors, Singapore Eye Research Institute (2012-)  
Executive Committee, Australasian Society of Virology (2012-2015)  
WHO International Health Regulations Roster of Experts (2013-)  
Advisory Board of Investigative Medicine Unit, SingHealth (2014-)

## **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. 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.
2. 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.
3. 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, Dürrewald 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, Schwemmler 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.** pii: syw096
4. I H Mendenhall 1 , S Borthwick 2 , E S Neves 2 , D Low 2 , M Linster 2 , B Liang 2 , M Skiles 3 , J Jayakumar 2 , H Han 4 , V Gunalan 4 , B P Y-H Lee 5, 6 , K Okahara 2 , L-F Wang 2 , S Maurer-Stroh 4, 7 , Y C F Su 2 , G J D Smith 8, 9 (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*.
5. Clayton BA, Middleton D, Arkininstall 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
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.

11. 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.
12. 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.
13. 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
14. 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- $\alpha$  in bats. **Proc Natl Acad Sci USA** **113**: 2696-2701. doi: 10.1073/pnas.1518240113.
15. 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.
16. 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.
17. 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.
18. 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
19. 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  $\beta$  from the Chinese microbat, *Myotis davidii*. **Virologica Sinica** **30**: 425-432.
20. 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
21. Ng M, Ndungo E, Kazmarek M, Herbert AS, Biswas R, Jangra RK, Hawkings J, Demogines A, Kuehne AI, Mueller 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
22. Cramer 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.
23. 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.
24. 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
25. Cui J, Tachedjian G and **Wang L-F** (2015) Bats and rodents shape mammalian retroviral phylogeny. **Sci Rpt** **5**, 16561 doi:10.1038/srep16561
26. 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.
27. 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

28. 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.
29. Boyed V, Smith I, Crameri G, Burroughs 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.
30. 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
31. 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.
32. 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.
33. 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
34. 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
35. 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.
36. 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
37. 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) Ecological dynamics of emerging bat virus spillover. **Proc. Biol Sci** **282**: 20142124. doi: 10.1098/rspb.2014.2124.
38. 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.
39. 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.
40. 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.
41. 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.
42. Dups J, Middleton D, Long F, Arkinstall R, Marsh GA, **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.
43. 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.

44. 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
45. McNabb L, Barr J, Cramer 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.
46. 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>
47. 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, Cramer 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.
48. Wynne, J. and **Wang, L.-F.** (2013) Bats and viruses: friend or foe? **PLoS Path** **9**: e1003651
49. 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.
50. Peel, A.J., Sargan, D.R., Baker, K.S., Hayman, D.T.S., Barr, J.A., Cramer, 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)
51. 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
52. 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.
53. 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
54. Zhou P, Cowled C, Wang L-F, Baker ML. (2013) Bat Mx1 and Oas1, but not Pkr are highly induced by bat interferon and viral infection. **Dev Comp Immunol.** **40**: 240-247.
55. Weir DL, Smith IL, Bossart KN, Wang L-F, Broder CC (2013) Host cell tropism mediated by Australian bat yssavirus envelope glycoproteins. **Virology** **444**: 21-30.
56. Broder CC, Xu K, Nikolov DB, Zhu Z, Dimitrov DS, Middleton D, Pallister J, Geisbert TW, Bossart KN and Wang L-F. (2013) A treatment for and vaccine against the deadly Hendra and Nipah viruses. **Antiviral Res.** **10**: 8-12
57. Epstein, J.H., Baker, M.L., Zambrana-Torrel, C., Middleton, D., Barr, J.A., DuBovi, E., Boyd, V., Pope, B., Todd, S., Cramer, G., Walsh, W., Pelican, K., Fielder, M.D., Davies, A.J., **Wang, L.-F.** and Daszak, P. (2013) Duration of Maternal Antibodies Against Canine Distemper Virus and Hendra Virus in Pteropid Bats. **PLoS One** **8**(6): e67584
58. Dlugolenski, D., Jones, L., Tompkins, S.M., Cramer, G., **Wang, L.-F.**, Tripp, R.A. (2013) Bat cells from Pteropus alecto are susceptible to influenza A virus infection and reassortment. **Influenza and Other Respiratory Viruses.** DOI: 10.1111/irv.12128.
59. McCaskill, J.L., Marsh, G.A., Monaghan, P., **Wang, L.-F.**, Doran, T. and McMillan, N.A.J. (2013) Potent inhibition of Hendra virus infection via RNA interference. **PLoS One** **8**(5): e64360
60. Peel, A.J., McKinley, T.J., Baker, K.S., Barr, J.A., Cramer, G., Hayman, D.T.S., Feng, Y.-R., Broder, C.C., **Wang, L.-F.**, Cunningham, A.A., and Wood, J.L.N. (2013) Use of cross-reactive serological



- assays for detecting novel pathogens in wildlife: Assessing an appropriate cutoff for henipavirus assays in African bats. **J. Virol. Meth.** **193**: 295-303.
61. Marsh, G.A., Virtue, E.R., Smith, I., Todd, S., Arkininstall, R., Frazer, L., Monaghan, P., Smith, G.A., Broder, C.C., Middleton, D. and **Wang, L.-F.** (2013) Recombinant Hendra viruses expressing a reporter gene retain pathogenicity in ferrets. **Virol. J.** **10**: 95
  62. Breed, A., Meers, J., Sendow, I., Bossart, K., Barr, J., Smith, I., **Wang, L.-F.** and Field, H. (2013) The distribution of henipaviruses in southeast Asia and Australasia: Is Wallace's Line a barrier to Nipah virus? **PLoS One** **8**(4): e61316
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