

CURICULLUM VITAE

Linfa (Lin-Fa) Wang

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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

2021.9-present	Executive Director, PREPARE (Programme for Research in Epidemic Preparedness and Responses), Singapore
2020.9-present	Professor, Program in Emerging Infectious Diseases, Duke-NUS Medical School, Singapore
2012.7-2020.8	Director and Professor, Program in Emerging Infectious Diseases, Duke-NUS 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-)
- Honorary Professor, East China Normal University (2017-)
- Editor-in-Chief, Virology Journal (2012-)
- Editorial Board, Virologica Sinica (2006-)
- Editorial Board, Zoonoses and Public Health (2006-)
- Editorial Board, Frontiers in Virology (2010-)
- Editorial Board, Scientific Reports (2017-2020)
- Editorial Board, Journal of Bioterrorism and Biodefense (2011-)
- Editorial Board, Journal of Biosafety and Biosecurity (2018-)
- Editorial Board, One Health Outlook (2016-)
- 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-)
Leadership Committee of Global Viral Network (2018-)
WHO R&D Roadmap Taskforce Committee for Nipah Virus (2018-)
Co-chair, Nipah Virus International Conference (2019)
WHO International Health Regulations Emergency Committee (EC) (2020)
WHO Consultation Group on nCoV Reagents and Cross –Reactivity (2020)
WHO Working Group on Prioritization of nCoV vaccine (2020)
WHO Working Group on nCoV Animal Models (2020)
OIE Advisory Group on 2019-nCoV (2020)
CEPI Ad Hoc Review Panel for rapid COVID-19 vaccine development (2020)
Science Philanthropy Alliance Infectious Disease Working Group (2020)
CEPI SAC Member (2021)
CEPI SAC Member for Nipah virus vaccine programme (2021)
Chair, organizing committee for a Keystone Symposium on “Lessons from the Pandemic: Responding to Emerging Zoonotic Diseases” (2022)
Chair, organizing committee for the 7th World One Health Congress (2022)

AWARDS AND FELLOWSHIPS

President Science Award, Singapore, 2021
Elected Fellow of the American Academy of Microbiology, 2021
First Prize, SingHealth Duke-NUS Research Award, 2020
NHG Research and Innovation Award, 2020
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

PROFFESIONAL MEMBERSHIPS

Australian Society for Biochemistry and Molecular Biology
Australian Society for Microbiology
Australasian Society for Virology
American Society for Microbiology

PUBLICATION

(Current *h*-index = 100, total citation = 38,838 as of Feb 2, 2022)

<https://scholar.google.com.sg/citations?user=tNV4u0MAAAAJ&hl=en>

Refereed Journal Papers

1. Tan CW, Chia WN, Young BE, Zhu F, Lim BL, Sia WR, Thein TL, Chen MI, Leo YS, Lye DC and **Wang L-F** (2021) Pan-Sarbecovirus Neutralizing Antibodies in BNT162b2-Immunized SARS-CoV-1 Survivors. **N Engl J Med** doi: 10.1056/NEJMoa2108453. PMID: 34407341.
2. Ahn M and **Wang L-F** (2021) Translation from bats to humans beyond infectious diseases. **J Exp Med** 218(9):e20211223. doi: 10.1084/jem.20211223.
3. Sia WR, Hey YY, Foo R, **Wang L-F** and Leeansyah E (2021) Culture, expansion, and flow-cytometry-based functional analysis of pteropid bat MR1-restricted unconventional T cells. **STAR Protocols** <https://doi.org/10.1016/j.xpro.2021.100487>
4. Joachim Mari ˆen, Johan Michiels, Leo Heyndrickx, Antoine Nkuba-Ndaye, Ann Ceulemans, Koen Bartholomeeusen, Joule Madinga, Placide Mbala-Kingebeni, Veerle Vanlerberghe, Steve Ahuka-Mundeke, **Lin-Fa Wang**, Kevin K. Ari ˆen (2021) Evaluation of a surrogate virus neutralization test for high-throughput serosurveillance of SARS-CoV-2. **J Viro Meth.**
5. **Wang L-F**, Gamage AM, Chan WOY, Hiller M and Teeling EC (2021) Decoding bat immunity: the need for a coordinated research approach. **Nat Rev Immunol** doi: 10.1038/s41577-021-00523-0.
6. Chia WN, Zhu F, Ong SWX, Young BE, Fong SW, Le Bert N, Tan CW, Tiu C, Zhang J, Tan SY, Pada S, Chan YH, Tham CYL, Kunasegaran K, Chen MI, Low JGH, Leo YS, Renia L, Bertoletti A, Ng LFP, Lye DC, Wang L-F (2021) Dynamics of SARS-CoV-2 neutralising antibody responses and duration of immunity: a longitudinal study. **Lancet Microbe**. doi: 10.1016/S2666-5247(21)00025-2. PMID: 33778792
7. Yan H, Jiao H, Liu Q, Zhang Z, Xiong Q, Wang BJ, Wang X, Guo M, **Wang L-F**, Lan K, Chen Y, Zhao H (2021) ACE2 receptor usage reveals variation in susceptibility to SARS-CoV and SARS-CoV-2 infection among bat species. **Nat Ecol Evol** doi: 10.1038/s41559-021-01407-1. PMID: 33649547
8. Le Bert N, Clapham HE, Tan AT, Chia WN, Tham CYL, Lim JM, Kunasegaran K, Tan LWL, Dutertre CA, Shankar N, Lim JME, Sun LJ, Zahari M, Tun ZM, Kumar V, Lim BL, Lim SH, Chia A, Tan YJ, Tambyah PA, Kalimuddin S, Lye D, Low JGH, **Wang L-F**, Wan WY, Hsu LY, Bertoletti A, Tam CC (2021) Highly functional virus-specific cellular immune response in asymptomatic SARS-CoV-2 infection. **J Exp Med** 218(5):e20202617. doi: 10.1084/jem.20202617. PMID: 33646265
9. **Wang L-F**, Ahn M, Anderson DE (2021) Bats and Coronaviruses in the Context of COVID-19. **China CDC Weekly** 3(7): 153-155. doi: 10.46234/ccdcw2021.045
10. Tan GSE, Ding Y, Cui L, Mak TM, Mok CK, Kurup A, Parthasarathy P, Chia WN, **Wang L-F**, Lin RTP, Leo YS, Vasoo S (2021) Positive RT-PCR detected in patients recovered from COVID-19. **Ann Acad Med Singap** 50(2):191-194. PMID: 33733267
11. Wacharapluesadee S, Tan CW, Maneecorn P, Duengkae P, Zhu F, Joyjinda Y, Kaewpom T, Chia WN, Ampoot W, Lim BL, Worachotsueptrakun K, Chen VC, Sirichan N, Ruchisrisarod C, Rodpan A, Noradechanon K, Phaichana T, Jantararat N, Thongnumchaima B, Tu C, Cramer G, Stokes MM, Hemachudha T, **Wang L-F** (2021) Evidence for SARS-CoV-2 related coronaviruses circulating in bats and pangolins in Southeast Asia. **Nat Commun** 12 (1):972. Doi: 10.1038/s41467-021-21240-1
12. Wacharapluesadee S, Tan CW, Maneecorn P, Duengkae P, Zhu F, Joyjinda Y, Kaewpom T, Chia WN, Ampoot W, Lim BL, Worachotsueptrakun K, Chen VC, Sirichan N, Ruchisrisarod C, Rodpan A, Noradechanon K, Phaichana T, Jantararat N, Thongnumchaima B, Tu C, Cramer G, Stokes MM,

- Hemachudha T, **Wang L-F** (2021) Author Correction: Evidence for SARS-CoV-2 related coronaviruses circulating in bats and pangolins in Southeast Asia. **Nat Commun.** 12(1):1430. doi: 10.1038/s41467-021-21768-2. PMID: 33633118
13. Mai HK, Trieu NB, Long TH, Thanh HT, Luong ND, Huy LX, Nguyet LA, Man DNH, Anderson DE, Thanh TT, Chau NVV, Thwaites G, **Wang L-F**, Van Tan L, Hung DT (2021) Long-Term Humoral Immune Response in Persons with Asymptomatic or Mild SARS-CoV-2 Infection, Vietnam. **Emerg Infect Dis** 27(2):663-666.
 14. Tan AT, Linster M, Tan CW, Le Bert N, Chia WN, Kunasegaran K, Zhuang Y, Tham CYL, Chia A, Smith GJD, Young B, Kalimuddin S, Low JGH, Lye D, **Wang L-F**, Bertoletti A (2021) Early induction of functional SARS-CoV-2-specific T cells associates with rapid viral clearance and mild disease in COVID-19 patients. **Cell Rep** 34(6):108728. doi: 10.1016/j.celrep.2021.108728. PMID: 33516277
 15. Puthachoen O, Wacharapluesadee S, Chia WN, Paitoonpong L, Tan CW, Suwanpimolkul G, Jantarabenjakul W, Ruchisrisarod C, Wanthong P, Sophonphan J, Chariyavilaskul P, **Wang L-F**, Hemachudha T (2021) Early detection of neutralizing antibodies against SARS-CoV-2 in COVID-19 patients in Thailand. **PLoS One** 16(2):e0246864.
 16. Irving A, Ahn M, Goh G, Anderson AE, **Wang L-F** (2021) Lessons from the host defences of bats, a unique viral reservoir. **Nature** 589 (7842): 363-370. doi.org/10.1038/s41586-020-03128-0
 17. Jeewandara C, Jayathilaka D, Gomes L, Wijewickrama A, Narangoda E, Idampitiya D, Guruge D, Wijayamuni R, Manilgama S, Ogg GS, Tan CW, Wang L-F, Malavige GN (2021) SARS-CoV-2 neutralizing antibodies in patients with varying severity of acute COVID-19 illness. **Sci Rep** 11(1): 2062. doi: 10.1038/s41598-021-81629-2. PMID: 33479465
 18. Gamage AM, Tan KS, Chan WOY, Liu J, Tan CW, Ong YK, Thong M, Andiappan AK, Anderson DE, Wang Y, Wang LF (2020) Infection of human Nasal Epithelial Cells with SARS-CoV-2 and a 382-nt deletion isolate lacking ORF8 reveals similar viral kinetics and host transcriptional profiles. **PLoS Pathog** 16(12):e1009130. doi: 10.1371/journal.ppat.1009130.
 19. Leeansyah E, Hey YY, Sia WR, Ng JHJ, Gulam MY, Boulouis C, Zhu F, Ahn M, Mak JYW, Fairlie DP, Kwa ALH, Sandberg JK, **Wang L-F** (2020) MR1-Restricted T Cells with MAIT-like Characteristics Are Functionally Conserved in the Pteropid Bat *Pteropus alecto*. **iScience**. 23(12):101876. doi: 10.1016/j.isci.2020.101876.
 20. Chen W, Hu Z, Yi, C, Chi Y, Xiong Q, Tan CW, Yi Y, **Wang L-F**. (2020) An unusual COVID-19 case with over four months of viral shedding in the presence of low neutralizing antibodies: a case report. **J Biomed Res** 16;34(6):470-474. doi: 10.7555/JBR.34.20200099.
 21. Ng OT, Marimuthu K, Koh V, Pang J, Linn KZ, Sun J, De Wang L, Chia WN, Tiu C, Chan M, Ling LM, Vasoo S, Abdad MY, Chia PY, Lee TH, Lin RJ, Sadarangani SP, Chen MI, Said Z, Kurupatham L, Pung R, **Wang L-F**, Cook AR, Leo YS, Lee VJ (2020) SARS-CoV-2 seroprevalence and transmission risk factors among high-risk close contacts: a retrospective cohort study. **Lancet Infect Dis** S1473-3099(20)30833-1. doi: 10.1016/S1473-3099(20)30833-1.
 22. Jonathan H. Epstein, Simon J. Anthony, Ariful Islam, A. Marm Kilpatrick, Shahneaz Ali Khan, Maria D. Balkey, Noam Ross, Ina Smith, Carlos Zambrana-Torrel, Yun Tao, Ausratul Islam, Phenix Lan Quan, Kevin J. Olival, M. Salah Uddin Khan, Emily S. Gurley, M. Jahangir Hossein, Hume E. Field, Mark D. Fielder, Thomas Briese, Mahmudur Rahman, Christopher C. Broder, Gary Crameri, **Lin-Fa Wang**, Stephen P. Luby, W. Ian Lipkin, and Peter Daszak (2020) Nipah virus dynamics in bats and implications for spillover to humans. **Proc Natl Acad Sci USA** <https://doi.org/10.1073/pnas.2000429117>
 23. Goh G, Ahn M, Zhu F, Lee LB, Luo D, Irving AT, Wang L-F. (2020) Complementary regulation of caspase-1 and IL-1 β reveals additional mechanisms of dampened inflammation in bats. **Proc Natl Acad Sci U S A**. 26:202003352. doi: 10.1073/pnas.2003352117.
 24. Irving AT, Zhang Q, Kong PS, Luko K, Rozario P, Wen M, Zhu F, Zhou P, Ng JHJ, Sobota RM, **Wang L-F** (2020) Interferon Regulatory Factors IRF1 and IRF7 Directly Regulate Gene Expression in Bats in Response to Viral Infection. **Cell Rep**. 2020 Nov 3;33(5):108345. doi: 10.1016/j.celrep.2020.108345.
 25. Baker KS, Tachedjian M, Barr J, Marsh GA, Todd S, Crameri G, Crameri S, Smith I, Holmes CEG, Suu-Ire R, Fernandez-Loras A, Cunningham AA, Wood JLN, **Wang L-F** (2020) Achimota

- Pararubulavirus 3: A New Bat-Derived Paramyxovirus of the Genus *Pararubulavirus*. **Viruses** 12(11):1236. doi: 10.3390/v12111236.
26. Zellweger RM, Yacoub S, Chan YFZ, Soon D, Shafi H, Ooi ST, Chan M, Jacobson L, Sessions OM, Vincent A, Low JGH, Ooi EE, **Wang L-F**, Wijaya L, Tan K; Singapore Neurologic Infections Program (SNIP) (2020) Disentangling etiologies of CNS infections in Singapore using multiple correspondence analysis and random forest. **Sci Rep.** 10(1):18219. doi: 10.1038/s41598-020-75088-4. PMID: 33106525
 27. Morrison JH, Miller C, Bankers L, Cramer G, **Wang L-F**, Poeschla EM. (2020) A Potent Postentry Restriction to Primate Lentiviruses in a Yinpterochiropteran Bat. **mBio.** 11(5):e01854-20. doi: 10.1128/mBio.01854-20.
 28. Kuhn JH, Adkins S, Alioto D, ... **Wang L-F** ..., Zhou X (2020) 2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. **Arch Virol.** 165(12):3023-3072. doi: 10.1007/s00705-020-04731-2. PMID: 32888050
 29. Olival KJ, Cryan PM, Amman BR, Baric RS, Blehert DS, Brook CE, Calisher CH, Castle KT, Coleman JTH, Daszak P, Epstein JH, Field H, Frick WF, Gilbert AT, Hayman DTS, Ip HS, Karesh WB, Johnson CK, Kading RC, Kingston T, Lorch JM, Mendenhall IH, Peel AJ, Phelps KL, Plowright RK, Reeder DM, Reichard JD, Sleeman JM, Streicker DG, Towner JS, **Wang L-F**. (2020) Possibility for reverse zoonotic transmission of SARS-CoV-2 to free-ranging wildlife: A case study of bats. **PLoS Pathog** 16(9):e1008758. doi: 10.1371/journal.ppat.1008758.
 30. Young BE, Fong SW, Chan YH, Mak TM, Ang LW, Anderson DE, Lee CYP, Amrun SN, Lee B, Goh YS, Su YCF, Wei WE, Kalimuddin S, Chai LYA, Pada SK, Tan SY, Sun L, Parthasarathy P, Chen YYC, Barkham T, Lin RTP, Maurer-Stroh S, Leo YS, **Wang L-F**, Renia L, Lee VJ, Smith GJD, Lye DC, Ng LFP (2020). Effects of a major deletion in the SARS-CoV-2 genome on the severity of infection and the inflammatory response: an observational cohort study. **The Lancet** 29;396(10251):603-611. doi: 10.1016/S0140-6736(20)31757-8. PMID: 32822564
 31. Chen W, Zhang J, Qin X, Wang W, Xu M, **Wang L-F**, Xu C, Tang S, Liu P, Zhang L, Liu X, Zhang Y, Yi C, Hu Z, Yi Y (2020) SARS-CoV-2 neutralizing antibody levels are correlated with severity of COVID-19 pneumonia. **Biomedicine & Pharmacotherapy** 110629-110629.
 32. Tan CW, Chia WN, Qin X, Liu P, Chen MI-C, Tiu C, Hu Z, Chen VC-W, Young BE, Sia WR, Tan Y-J, Foo R, Yi Y, Lye DC, Anderson DE, **Wang, L.-F** (2020) A SARS-CoV-2 surrogate virus neutralization test based on antibody-mediated blockage of ACE2-spike protein-protein interaction. **Nat Biotech** 38: 1073-1078. DOI: 10.1038/s41587-020-0631-z
 33. Chotirmall SH, **Wang L-F**, Abisheganaden JA. (2020) Letter from Singapore: The clinical and research response to COVID-19. **Respirology.** 10.1111/resp.13929. doi: 10.1111/resp.13929.
 34. Goh GX, Tan K, Ang BSP, **Wang L-F**, Tchoyoson Lim CC (2020) Neuroimaging in Zoonotic Outbreaks Affecting the Central Nervous System: Are We Fighting the Last War? **Am J Neuroradiol.** 41(10):1760-1767. doi: 10.3174/ajnr.A6727.
 35. Le Bert N, Tan AT, Kungasegaran K, Tham CYL, Hafezi M, Chia A, Chng MHY, Lin M, Tan N, Linster M, Chia WN, Chen MI-C, **Wang L-F**, Ooi EE, Kalimuddin S, Low JG-H, Tan Y-J and Bertoletti A (2020) SARS-CoV-2-specific T cell immunity in cases of COVID-19 and SARS, and uninfected controls. **Nature** DOI: 10.1038/s41586-020-2550-z.
 36. Latinne A, Hu B, Olival KJ, Zhu G, Zhang L, Li H, Chmura AA, Field HE, Zambrana-Torrel C, Epstein JH, Li B, Zhang W, **Wang L-F**, Shi ZL, Daszak P (2020) Origin and cross-species transmission of bat coronaviruses in China. **Nat Comm** 25;11(1):4235. doi: 10.1038/s41467-020-17687-3.
 37. Yvonne CF Su*, Danielle E Anderson*, Barnaby E Young, Feng Zhu, Martin Linster, Shirin Kalimuddin, Jenny GH Low, Yan Zhuang, Jayanthi Jayakumar, Chee Wah Tan, Wan Ni Chia, Tze Minn Mak, Sophie Octavia, Jean-Marc Chavatte, Surinder Pada, Seow Yen Tan, Louisa Sun, Gabriel Z Yan, Ian H Mendenhall, Yee-Sin Leo, David Chien Lye, **Lin-Fa Wang** and Gavin JD Smith (2020) Discovery of a 382-nt deletion during the early evolution of SARS-CoV-2. **mBio** 11(4):e01610-20. doi: 10.1128/mBio.01610-20.

38. Gómez Román R, **Wang L-F**, Lee B, Halpin K, de Wit E, Broder CC, Rahman M, Kristiansen P, Saville M (2020) Nipah@20: Lessons Learned from Another Virus with Pandemic Potential. **mSphere** 5(4):e00602-20. doi: 10.1128/mSphere.00602-20.
39. Yong SEF, Anderson DE, Wei WE, Pang J, Chia WN, Tan CW, Teoh YL, Rajendram P, Toh MPHS, Poh C, Koh VTJ, Lum J, Suhaimi NM, Chia PY, Chen MI, Vasoo S, Ong B, Leo YS, **Wang L-F**, Lee VJM (2020) Connecting clusters of COVID-19: an epidemiological and serological investigation. **Lancet Infect Dis.** 21:S1473-3099(20)30273-5. doi: 10.1016/S1473-3099(20)30273-5.
40. Paskey AC, Ng JHJ, Rice GK, Chia WN, Philipson CW, Foo RJH, Cer RZ, Long KA, Lueder MR, Frey KG, Hamilton T, Mendenhall IH, Smith GJ, **Wang L-F**, Bishop-Lilly KA (2020) The temporal RNA virome patterns of a lesser dawn bat (*Eonycteris spelaea*) colony revealed by deep sequencing. **Virus Evol** 18;6(1):veaa017. doi: 10.1093/ve/veaa017 PMID: 33747541
41. Paskey AC, Ng JHJ, Rice GK, Chia WN, Philipson CW, Foo RJH, Cer RZ, Long KA, Lueder MR, Lim XF, Frey KG, Hamilton T, Anderson DE, Laing ED, Mendenhall IH, Smith GJ, **Wang L-F**, Bishop-Lilly KA (2020) Detection of Recombinant Roussetus Bat Coronavirus GCCDC1 in Lesser Dawn Bats (*Eonycteris spelaea*) in Singapore. **Viruses** 12(5):539. doi: 10.3390/v12050539.
42. Chia, WN, Tan CW, Foo R, Kang AEZ, Peng Y, Sivalingam V, Tiu C, Ong XM, Zhu F, Young BE, Chen MI-C, Tan Y-J, Lye DC, Anderson DE, **Wang L-F** (2020) Serological differentiation between COVID-19 and SARS infections. **Emerg Microbes Infect** 9: 1497-1505.
43. Anderson DE, Tan CW, Chia WN, Young BE, Linster M, Low JGH, Tan Y-J, Chen MI-C, Smith GJD, Leo YS, Lye DC, **Wang L-F** (2020) Lack of cross neutralization by SARS patient sera towards SARS-CoV-2. **Emerg Microbes Infect** 9: 900-902.
44. Seah IYJ, Anderson DE, Kang AEZ, **Wang L-F**, Rao P, Young BE, Lye DC, Agrawal R (2020) Assessing Viral Shedding and Infectivity of Tears in COVID-19 Patients. **Ophthalmology**. 2020. doi.org/10.1016/j.ophtha.2020.03.026.
45. Young BE, Ong SWX, Kalimuddin S, Low JG, Tan SY, Loh J, Ng OT, Marimuthu K, Ang LW, Mak TM, Lau SK, Anderson DE, Chan KS, Tan TY, Ng TY, Cui L, Said Z, Kurupatham L, Chen MI, Chan M, Vasoo S, **Wang L-F**, Tan BH, Lin RTP, Lee VJM, Leo YS, Lye DC; Singapore 2019 Novel Coronavirus Outbreak Research Team (2020) Epidemiologic Features and Clinical Course of Patients Infected With SARS-CoV-2 in Singapore. **JAMA** 2020 doi: 10.1001/jama.2020.3204.
46. Gamage AM, Zhu F, Ahn M, Foo RJH, Hey YY, Low DHW, Mendenhall IH, Dutertre CA, **Wang L-F** (2020) Immunophenotyping monocytes, macrophages and granulocytes in the Pteropodid bat *Eonycteris spelaea*. **Sci Rep** 10, 309, doi:10.1038/s41598-019-57212-1 (2020).
47. **Wang L-F**, Anderson DE, Mackenzie JS, Merson MH (2020) From Hendra to Wuhan: what has been learned in responding to emerging zoonotic viruses. **Lancet** 395(10224):e33-e34. doi: 10.1016/S0140-6736(20)30350-0.
48. Li B, Si HR, Zhu Y, Yang XL, Anderson DE, Shi ZL, **Wang L-F**, Zhou P (2020) Discovery of Bat Coronaviruses through Surveillance and Probe Capture-Based Next-Generation Sequencing. **mSphere**. 5(1):e00807-19. doi: 10.1128/mSphere.00807-19.
49. Brook CE, Boots M, Chandran K, Dobson AP, Drosten C, Graham AL, Grenfell BT, Müller MA, Ng M, **Wang L-F**, van Leeuwen A (2020) Accelerated viral dynamics in bat cell lines, with implications for zoonotic emergence. **eLife** 9:e48401. doi: 10.7554/eLife.48401.
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