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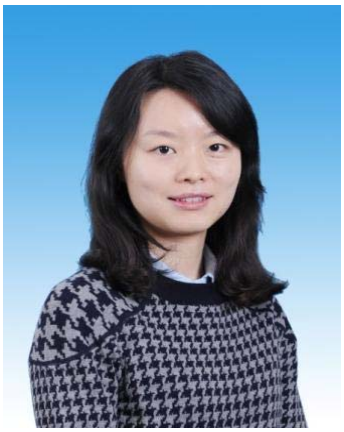

姓　　名：王延轶

职称职务：学科组长，研究员，副所长

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教育经历	2000.09-2004.06 北京大学生命科学学院 学士 2004.08-2006.06 美国科罗拉多大学医学院免疫学系 硕士 2007.09-2010.06 武汉大学生命科学学院 博士

工作经历	2006.08-2010.10 武汉大学生命科学学院 讲师 2010.11-2012.02 武汉大学生命科学学院 副教授 2012.03- 中科院武汉病毒所分子免疫学学科组 研究员/学科组长 2014.07-2015.06 武昌区卫生和计划生育委员会（挂职） 副主任 2014.09- 中科院武汉病毒所病毒病理研究中心 副主任 2014.12-2015.12 中科院武汉病毒所 所长助理 2015.12- 中科院武汉病毒所 副所长
学术兼职	2013.01- 中国免疫学会青年工作者委员会 副主任委员 2013.11- 湖北省细胞生物学学会 理事
奖项与荣誉	2015.12 国家自然科学二等奖（排名第三） 2015.12 国家百千万人才工程“有突出贡献中青年专家” 2015.05 湖北省青年五四奖章 2015.02 教育部自然科学奖一等奖（排名第三） 2013.11 第四届武汉市优秀科技工作者 2013.03 武汉市三八红旗手 2012.11 第三届武汉青年科技奖 2011.12 武汉大学珞珈青年学者 2010.10 中国免疫学青年学者奖 2010.10 武汉大学青年教师教学竞赛二等奖
研究方向	1. 模式识别受体介导的信号转导及其调控的分子机制 2. 炎症的分子调控机制 3. 病原微生物与宿主相互作用的分子机制

近3-5年的科研项目综合呈现

1. 国家自然科学基金创新研究群体科学基金项目（31621061，病毒与宿主相互作用的分子机理，2017/01-2019/12，100 万元，在研，群体骨干）
2. 中国科学院前沿科学重点研究项目（QYZDB-SSW-SMC007，DNA病毒与宿主天然免疫相互作用的分子机制，2016.01-2020.12，250万元，在研，主持）
3. 国家杰出青年科学基金（31425010，细胞抗病毒反应的分子机制，2015.01-2019.12，400万元，在研，主持）

4. 973 计划项目（2015CB554302，慢性丙型病毒性肝炎免疫逃逸与免疫病理研究，2015.01-2019.12，140.25万元，在研，参与）
5. 973 计划项目（2014CB542600，动物病毒 - 宿主相互作用机制的研究，2014/01-2018/12，217.5万元，在研，参与）
6. 国家自然科学基金创新研究群体科学基金项目（31321001，病毒与宿主相互作用的分子机理，2014/01-2016/12，100 万元，已结题，群体骨干）
7. 中组部首批青年拔尖人才支持计划（抗病毒天然免疫信号转导，2013/01-2015/12，200 万元，已结题，主持）
8. 国家自然科学基金面上项目（31270932，TRIM32 调控MITA 介导的抗病毒反应的分子机制，2013/01-2016/12，100 万元，已结题，主持）
9. 国家自然科学基金面上项目（31170792，WWP2 调节TLR3 信号转导的机制，2012/01-2015/12，65 万元，已结题，主持）

近五年代表性论文、专利等

（1）Nie Y, Ran Y, Zhang HY, Huang ZF, Pan ZY, Wang SY, Wang YY*.GPATCH3 negatively regulates RLR-mediated innate antiviral responses by disrupting the assembly of VISA signalosome.PLOS Pathogenes, 2017 Apr; 13(4): e1006328. （通讯作者）(IF:7.003)

（2）Yang Y, Wang SY, Huang ZF, Zou HM, Yan BR, Luo WW, Wang YY*. The RNA-binding protein Mex3B is a coreceptor of Toll-like receptor 3 in innate antiviral response. Cell Reserch, 2016,26(3):288-303. （通讯作者）(IF:14.812)

（3）Ran Y, Zhang J, Liu L L, Pan ZY, Nie Y, Zhang HY, Wang YY*. Autoubiquitination of TRIM26 links TBK1 to NEMO in RLR-mediated innate antiviral immune response. Journal of Molecular Cell Biology, 2016, 8(1), 31–43. Epub 2015 Nov 26. （通讯作者）(IF: 6.771)

（4）Shu HB*, Wang YY*.Adding to the STING. Immunity, 2014, 41:871-873. （排名最后的共同通讯作者）(IF: 20.59)

（5）Ning YJ, Wang ML, Deng MP, Shen S, Liu W,Cao WC, Deng F, Wang YY, Hu ZH*, Wang HL*.Viral suppression of innate immunity via spatial isolation of TBK1/IKK？ from mitochnndrial antiviral platform. JMCB,2014,6(4),324-337. （排名第八） (IF: 6.771)

（6）Chen HH, Pei RJ, Zhu WD, Zeng R, Wang Y, Wang YY, Lu MJ, Chen XW*. An alternative splicing isoform of MITA antagonizes MITA-mediated induction of Type I IFNs. Jounal of Immunology,2014,192(3):1162-1170. （排名第六）(IF:5.788)

（7）Zhou Q, Lin H, Wang SY, Wang S, Ran Y, Liu Y, Ye W, Xiong XZ,Zhong B, Shu HB , Wang YY*.The ER-Associated protein ZDHHC1 is a positive regulator of DNA virus-triggered,MITA/STING-dependent innate immune signaling. Cell Host &Microbe,2014,16(4):450-461. （通讯作者）(IF: 13.5)

（8）Ran Y , Shu HB, Wang YY*.MITA/STING:A central and multifaceted mediator in innate immune response. Cytokine Growth Factor Reviews,2014,25:631-639. （通讯作者）(IF:6.53)

（9）Liu ZG, Wu SW, Lei CQ, Zhou Q, Li S, Shu HB, Wang YY*.Heat shock cognate 71 (HSC71) regulates cellular antiviral response by impairing formation of VISA aggregates. Protein & Cell,2013, 4(5):373-382. （通讯作者）(IF:3.22)

（10）Yang Y, Liao B, Wang SY, Yan BR, Jin Y, Shu HB, Wang YY* .The E3 ligase WWP2 negatively regulates TLR3-mediated innate immune response by targeting TRIF for ubiquitination and degradation.PNAS,2013,110(13):5115-5120. （通讯作者）(IF:9.681)

（11）Nie Y,Wang YY*.Innate immune responses to DNA viruses.Protein &Cell,2013, 4(1):1-7. （通讯作者）(IF:3.22)

Yanyi WANG

Title: Principal Investigator E-mail: wangyy@wh.iov.cn

Education

2004, B.S. College of Life Science, Peking University
2006, M.S. School of Medicine, University of Colorado
2010, Ph.D. Department of Microbiology, College of Life Science, Wuhan University

Research Interests

Innate immune response acts as the first line of host defense against viral infection. Germ line-encoded pattern-recognition receptors (PRRs) of the innate immune system recognize pathogen associated molecular patterns (PAMPs) derived from invading viruses, which triggers a series of cellular events, leading to the induction of type I interferons (IFNs) and proinflammatory cytokines. Our research is focused on molecular mechanisms of antiviral innate immunity and inflammation.

Publications

1. Luo WW, Li S, Li C, Zheng ZQ,Cao P,Tong Z, Lian H, Wang SY, Shu HB,& **Wang Y Y***. IRhom2 is essential for innate immunity t o RNA virus by antagonizing ER- and mitochondria-associated degradation of VISA. **PLOS Pathogenes**. November 20, 2017
2. Nie Y, Ran Y, Zhang HY, Huang ZF, Pan ZY, Wang SY, **Wang YY***.GPATCH3 negatively regulates RLR-mediated innate antivira l responses by disrupting the assembly of VISA signalosome.**PLOS Pathogenes**, 2017 Apr; 13(4): e1006328.
3. Yang Y, Wang SY, Huang ZF, Zou HM, Yan BR, Luo WW, **Wang YY***. The RNA-binding protein Mex3B is a coreceptor of Toll-lik e receptor 3 in innate antiviral response. **Cell Reserch**, 2016,26(3):288-303.
4. Ran Y, Zhang J, Liu L L, Pan ZY, Nie Y, Zhang HY, **Wang YY***. Autoubiquitination of TRIM26 links TBK1 to NEMO in RLR-media ted innate antiviral immune response. **Journal of Molecular Cell Biology,** 2016, 8(1), 31–43. Epub 2015 Nov 26.
5. Shu HB*, **Wang YY*.**Adding to the STING. **Immunity,** 2014, 41:871-873.
6. Ning YJ, Wang ML, Deng MP, Shen S, Liu W,Cao WC, Deng F, **Wang YY,** Hu ZH*, Wang HL*.Viral suppression of innate immun ity via spatial isolation of TBK1/IKK？ from mitochnndrial antiviral platform. **JMCB,**2014,6(4),324-337.
7. Chen HH, Pei RJ, Zhu WD, Zeng R, Wang Y, **Wang YY,** Lu MJ, Chen XW*. An alternative splicing isoform of MITA antagonizes MITA-mediated induction of Type I IFNs. **Jounal of Immunology,**2014,192(3):1162-1170.
8. Zhou Q, Lin H, Wang SY, Wang S, Ran Y, Liu Y, Ye W, Xiong XZ,Zhong B, Shu HB , **Wang YY***.The ER-Associated protein ZDH HC1 is a positive regulator of DNA virus-triggered,MITA/STING-dependent innate immune signaling. **Cell Host &Microbe,**2014,16(4):450-461.
9. Ran Y , Shu HB, **Wang YY*.**MITA/STING:A central and multifaceted mediator in innate immune response. **Cytokine Growth Fac tor Reviews,**2014,25:631-639.
10. Liu ZG, Wu SW, Lei CQ, Zhou Q, Li S, Shu HB, **Wang YY***.Heat shock cognate 71 (HSC71) regulates cellular antiviral respons e by impairing formation of VISA aggregates. **Protein & Cell,**2013, 4(5):373-382.
11. Yang Y, Liao B, Wang SY, Yan BR, Jin Y, Shu HB, **Wang YY*** .The E3 ligase WWP2 negatively regulates TLR3-mediated innat e immune response by targeting TRIF for ubiquitination and degradation.**PNAS**,2013,110(13):5115-5120.
12. Nie Y,**Wang YY***.Innate immune responses to DNA viruses.**Protein &Cell**,2013, 4(1):1-7. Zhang J, Hu MM, **Wang YY**, Shu HB* .TRIM32 protein modulates type I interferon induction and cellular antiviral response by targeting MITA/STING protein for K63-linke d ubiquitination. **J. Biol. Chem.**,2012,287(34):28646-28655.
13. Wang YY*, Ran Y, and Shu HB***.** Linear ubiquitination of NEMO brakes the antiviral response. **Cell Host & Microbe ,**2012,12:1 29-131.
14. Liu LJ, Liu TT, Ran Y, Li Y, Zhang XD, Shu HB * and **Wang YY *.** The E3 ubiquitin ligase MIB1 negatively regulates basal Ikapp aBalpha level and modulates NF-kappaB activation. **Cell Research,** 2012, 22:603-606.
15. Li Q, Yan J, Mao AP, Li C, Ran Y, Shu HB*, **Wang YY***. Tripartite motif 8 (TRIM8) modulates TNFalpha- and IL-1beta-triggered NF-kappaB activation by targeting TAK1 for K63-linked polyubiquitination. **PNAS**,2011**,**108:19341-19346.
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17. Zhong B, Zhang Y, Tan B, Liu TT, **Wang YY,** Shu HB*. The E3 ubiquitin ligase RNF5 targets virus-induced signaling adaptor for ubiquitination and degradation. **Journal of Immunology,** 2010,184:6249-6255.
18. Zhong B, Zhang L, Lei CQ, Li Y, Mao AP, Yang Y, **Wang YY**, Zhang XL, Shu HB*. The ubiquitin ligase RNF5 regulates antiviral responses by mediating degradation of the adaptor protein MITA. **Immunity,** 2009, 30:397-407.
19. Li Y, Li C, Xue P, Zhong B, Mao AP, Ran Y, Chen H, **Wang YY**, Yang FQ, Shu HB*. ISG56 is a negative-feedback regulator of v irus-triggered signaling and cellular antiviral response. **PNAS**, 2009,106:7945-7950.
20. Zhang M, Wang RP, **Wang YY**, Diao FC, Lu F, Gao D, Chen DY, Zhai ZH, Shu HB*. The CXXC finger 5 protein is required for D NA damage-induced p53 activation. **Sci China Ser C-Life Sci** , 2009,52(6):528-538.
21. Zhong B, Yang Y, Li S, **Wang YY**, Li Y, Diao F, Lei C, He X, Zhang L, Tien P, Shu HB*. The adaptor protein MITA links virus-se nsing receptors to IRF3 transcription factor activation. **Immunity,** 2008, 29:538-550.
22. Zhang B, Huang J, Li HL, Liu T, **Wang YY**, Waterman P, Mao AP, Xu LG, Zhai ZH, Liu D*, Marrack P*, Shu HB*. GIDE is a mito chondrial E3 ubiquitin ligase that induces apoptosis and slows growth. **Cell Research,** 2008, 18:900-910.
23. Tian Y, Zhang Y, Zhong B, **Wang YY**, Diao FC, Wang RP, Zhang M, Chen DY, Zhai ZH, Shu HB. RBCK1 negatively regulates t umor necrosis factor and interleukin-1-triggered NF-kappa B activation by targeting TAB2/3 for degradation. **J. Biol. Chem.**,2007,28 2(23):16776-16782.
24. Xu LG#, **Wang YY#**, Han KJ, Li LY, Zhai Z, Shu HB*. VISA is an adapter protein required for virus-triggered signaling. **Molecula r Cell,** 2005,19:727-740.
25. Wang YY, Li L, Han KJ, Zhai Z, Shu HB*. A20 is a potent inhibitor of TLR3- and Sendai virus-induced activation of NF-kappaB a nd ISRE and IFN-beta promoter. **FEBS Lett,** 2004,576: 86-90.

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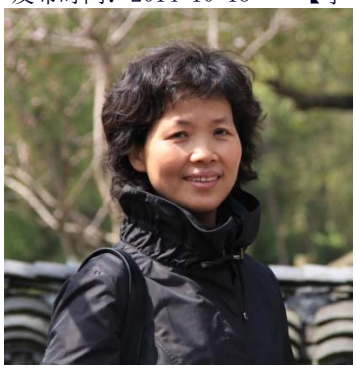

姓　　名：石正丽
职称职务：研究员 / 新发传染病研究中心主任
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教育经历	1996.10-2000.05 法国蒙彼利埃第二大学，博士研究生 1987.09-1990.07 中国科学院武汉病毒研究所，硕士研究生 1983.09-1987.07 武汉大学生物系遗传专业，理学学士
工作经历	2007.01-至今　中国科学院武汉病毒研究所，研究员 2006.09-2006.10 法国里昂P4实验室，访问学者 2006.02-2006.05 澳大利亚动物健康研究室，高级访问学者 2000.10-2006.12 中国科学院武汉病毒研究所，研究员

学术兼职	2011-至今 中国微生物学会病毒专业委员会委员 2013-至今 湖北微生物学会常务理事 2016-2018 Virology Journal 责任编辑 2017-2019 Virology编委 2017-2020 Virologica Sinica 主编
奖项与荣誉	奖项： 2003年 湖北省自然科学奖二等奖 2004年 教育部科技进步奖二等奖 2006年 湖北省自然科学优秀学术论文一等奖 2008年 湖北省自然科学优秀学术论文一等奖 2009年 教育部自然科学奖二等奖 2012年 湖北省自然科学优秀学术论文，三等奖 2014年 湖北省自然科学优秀学术论文特等奖 2017年 湖北省自然科学奖一等奖 荣誉： 2004年 被评为湖北省优秀研究生导师 2007年 获全国“五一”劳动奖章 2011年 获中国科学院“朱李月华优秀教师”奖 2014年 湖北省有突出贡献中青年专家 2014年 获国务院政府特殊津贴 2015年 获中国科学院“优秀研究生指导教师”奖 2016年 获“法国棕榈教育骑士荣誉勋章” 所指导的博士研究生和硕士研究生在学期间多次获教育部国家奖学金、中科院院长奖学金优秀奖、湖北省优秀博士学位
研究方向	1. 蝙蝠携带的、与人畜健康相关的新发传染病病毒的分子流行病学和跨物种感染的分子机理； 2. 蝙蝠抗病毒免疫研究。

近3-5年的科研项目综合呈现

1. 国家自然基金委重大项目
2. 科技基础性工作专项
3. 国家科技重大专项传染病防治重大专项
4. 中国科学院境外机构建设项目
5. 国家自然基金委面上项目
6. 国家自然基金委重大科研仪器研制项目

近五年代表性论文、专利等

1. Zhou, P#., Fan, H#., Lan, T#., Yang, X-L, Shi, W-F, Zhang, W., Zhu. Y., Zhang, Y-W., Xie, Q-M., Mani, S., Zheng, X-S., Li, B., Li, J-M., Guo, H., Pei, G-Q., An, X-P., Chen J-W., Zhou, L., Mai, K-J., Wu, Z-X., Li, D., Anderson, D.E., Zhang, L-B., Li, S-Y., Mi, Z-Q., He, T-T., Cong, F., Guo, P-J., Huang, R., Luo, Y., Liu, X-L., Chen, J., Huang, Y., Sun, Q., Zhang, X-L-L., Wang, Y-Y., Xing, S-Z., Chen, Y-S., Sun, Y., Li, J., Daszak, P.*, Wang, L-F.*, Shi, Z-L.*, Tong, Y-G.*, Ma, J-Y.* (2018). Fatal Swine Acute Diarrhea Syndrome caused by an HKU2-related Coronavirus of Bat Origin. Nature. DOI:10.1038/s41586-018-0010-9.

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3. Hu B, Zeng LP, Yang XL, Ge XY, Zhang W, Li B, Xie JZ, Shen XR, Zhang YZ, Wang N, Luo DS, Zheng XS, Wang MN, Daszak P, Wang LF, Cui J*, Shi ZL*. (2017). Discovery of a rich gene pool of bat SARS-related Coronaviruses provides new insights into the origin of SARS coronavirus. PloS Pathogens. 13(11):e1006698.
4. Zeng, L.P., Ge, X.Y., Peng, C., Tai, W., Jiang, S., Du, L., and Shi, Z.L. (2017). Cross-neutralization of SARS coronavirus-specific antibodies against bat SARS-like coronaviruses. Sci China Life Sci. 60(12):1399-1402.
5. Zhang, Q., Zeng, L.P., Zhou, P., Irving, A.T., Li, S., Shi, Z.L.*, 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(8):e0182866.
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9. Wang, B., Yang, X.L., Li, W., Zhu, Y., Ge, X.Y., Zhang, L.B., Zhang, Y.Z., Bock, C.T., Shi, Z.L. (2017). Detection and genome characterization of four novel bat hepadnaviruses and a hepevirus in China. Virology Journal. 14(1): 40.
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Education

1987, B.S. Genetics, Department of Biology, Wuhan University
1990, M.Sc. Virology, Wuhan Institute of Virology, Chinese Academy of Sciences
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Research Interests

For more than a decade, Prof Shi has been working on epidemiology and interspecies mechanism of emerging viruses of wildlife origin, especially bats and rodents. She has gained rich research experiences in discovery and characterization of viruses from bats. In the past 12 years, her research group has discovered a wild range of novel viruses or viral antibodies in bats, included coronaviruses, adenoviruses, orthoreoviruses, circoviruses, paramyxoviruses, filoviruses, hepatitis viruses, etc. Her group has highlighted findings on the animal origin of SARS-CoV. Their long-term surveillance of SARS-like coronaviruses in bat populations in China led to the new recognition of genetically diverse SARS-like coronaviruses, including strains not only sharing very high sequence similarity to SARS-CoV but also able to use the human ACE2 as an entry receptor. Their findings provide unequivocal evidence that bats are natural reservoir of SARS-CoV and reveal the origin of pandemic SARS-CoV from these bat CoVs.

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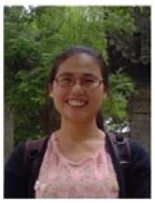

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主要经历：

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Missings from the page: Huang Yanling and Zhang Yun

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张云 2011级硕士研究生

课题组现有研究人员6人，在学学生13人。

副研究员：

余军平

杨航

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	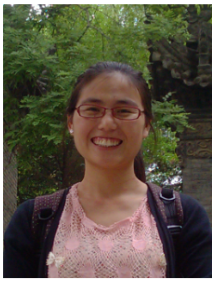	
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P4 laboratoty is part of the wuhan institute of virologie

Franco-Chinese cooperation, with Institut Mérieux, France, Lyon

2004 debut de la coorpération du laboratoire P4 entre la France et la Chine, Labo Mérieux de Lyon et l'Institut de Virologie de Wuhan

2011 première pierre

2017 certification P4

une collaboration franco-chinoise.
"*La France et la Chine conduiront des recherches conjointes de pointe sur les maladies infectieuses et émergentes, en s'appuyant sur le laboratoire P4 de Wuhan.*" 10 janvier 2018 notre président, **Emmanuel Macron**, et **Xi Jinping**, dans une déclaration conjointe

Le 23 février 2017, **Bernard Cazeneuve**, alors Premier ministre avait visité le laboratoire P4. accompagné par **Marisol Touraine**, alors ministre de la santé et **Mathias Fekl**, alors secrétaire d'Etat au Commerce Extérieur.

Bernard Cazeneuve : "La Chine a placé les questions environnementales au cœur de son projet de développement" © GouvernementFR

中国科学院武汉病毒研究所
WUHAN INSTITUTE OF VIROLOGY, CAS

EXCHANGES
Foreign Visits
Seminars
International Conferences

Foreign Visits

Foreign experts under the EMERGENGES 2016 Program paid visits to WIV

Date：27-02-2017 | 【Print】【close】

On Dec.12, 2016, Dr. Maria Dolores Fernandez-GARCIA from Institut Pasteur de Dakar (Senegal) visited WIV and gave an academic presentation.

In her report, Dr. Maria Dolores Fernandez-GARCIA talked about the frontline experience of the Pasteur Institute of Dakar during viral outbreaks, Ebola, Zika, Yellow Fever, Polio and non-polio enteroviruses as examples. According to her, from 2014 to 2016, the laboratory supported local governments during the infectious disease outbreaks including Ebola, Zika and Yellow Fever, coordinated the collection, analysis of microbiological and epidemiological data, developed molecular and serological diagnostic tools, traced the evolutionary history of the viruses, sequenced the genomes, and paved the way for ambitious research projects that will support the management of health crises and the development of future strategies for prevention.

On Dec. 16, 2016, Dr. Herve Bourhy from Institut Pasteur paid a visit to WIV. He talked about the bat lyssaviruses in Europe. In his report, bats are reservoir hosts of numerous emerging viruses that can cross the species barrier to infect other wild and domestic animals, and also humans. These include lyssaviruses, the agents of rabies, that probably originated in bats and progressively diverged from a common ancestor to infect many recipient host species. To date, bats were found to serve as reservoirs of 13 of the 15 lyssavirus species described so far. In Europe, four of these lyssavirus species, namely European bat lyssavirus types 1 and 2 (EBLV-1 and EBLV-2, respectively), Bokeloh bat lyssavirus (BBLV), West Caucasian bat virus (WCBV) and one tentative species, Lleida bat lyssavirus, circulate among several bat species.

The EMERGENGES 2016 Program launched by the French Embassy in China supports French-Chinese cooperation in emergent infectious diseases. The two scientists are selected as French representatives under this program to visit China.