

**WAQAS AHMAD****Email.** [waqasahmad381@gmail.com](mailto:waqasahmad381@gmail.com)**Phone #** 0092-546-501789**Cell #** 0092-335-0453177**Personal:**

Father's Name Mulazim Hussain (Late)  
 Date of Birth March 10, 1988  
 Domicile Mandi Bahauddin (Punjab)  
 NIC # 34402-9096570-1  
 Nationality Pakistani  
 Marital Status Single

**Permanent Address:**

House # 418/5, Ellahi Cotton Colony, Mandi Bahauddin  
 (M. B. Din), Pakistan.

**Postal Address:**

House # 418/5, Ellahi Cotton Colony, Old Rasool Road, M. B. Din, Pakistan

**Education:****University**

Year	Degree	Institution	CGPA	Subjects
2016	Ph. D	Jilin University, Institute of Zoonosis, China	89%	Virology, Neuropathology
2012	M. Phil	University of Agriculture Faisalabad	3.65/4.00	Veterinary Pathology
2010	DVM	University of Agriculture Faisalabad	3.13/4.00	Veterinary Sciences

**Basic**

2005 Higher Secondary School Certificate (Pre-Med.) G. Deg. College, 745/1100 (M. B. Din)  
 2003 Secondary School Certificate (Matriculation) Alnoor Public Sec. School, 705/850 (M. B. Din)

**Honors/Distinctions:**

1. Fully funded Chinese Government Scholarship for the full time study of Ph.D (2013-2016)
2. Top position in Alnoor school for the annual SSC examination of Gujranwala board (2001-2003).

**Languages**

English: Excellent reading, writing, speaking and listening skills.  
 Chinese: Good speaking and listening skills.

**Work Experience:**

Position	Institution	Responsibilities	Tenure
Internee	Conimpex Hatchery and Breeding Farms, Multan	Growth and maintenance of chicks	Feb. 2010-June 2010
Trainee	Center of Agricultural Biochemistry and Biotechnology (CABB). University of Agriculture, Faisalabad	Learning Basic techniques in Virology	2011-2012
National Internee	National Internship Program of Pakistan	Treatment of Animal Diseases at CVH, Faisalabad	2012-2013
Research Scholar	Institute of Zoonosis, Jilin University, China	Investigating the gene expressions of cytoskeleton associated proteins under Rabies virus infection	2013-2016

**Research & Technical Skills:**

1. Immunohistochemistry (IHC)
2. Immunofluorescence
3. Hematoxylin and Eosin & Seller's Staining Technique
4. Frozen Sectioning
5. ELISA
6. TCID<sub>50</sub> Titration
7. Reverse Transcriptase Polymerase Chain Reaction (RT-PCR)
8. qPCR
9. Western Blot
10. Neuronal Cell Culture
11. Mouse Inoculation Test
12. RNA Interference
13. Cardiac Perfusion in Mice

**Research Projects:**

2013-2016: Investigating the gene expression of different cytoskeleton associated proteins under rabies virus infection (completed as principal research of *Ph.D Thesis*). Funded by the National Natural Science Foundation of China (Grants No. 31472208, 31172337 and 31272579).

2011-2013: Research studies of *M. Phil* (Diagnosis of canine rabies in Faisalabad, Pakistan and abattoir based study of Rabies virus in brain tissues of slaughtered animals using conventional diagnostic techniques). Supported by the Grants No. 31472208 and 31272579 from the National Natural Science Foundation of China.

### Seminars/Conferences /Memberships/Workshops:

1. *World DNA and Genome Day*. World's Dream of Bio-Knowledge Economy, Dalian, China; 04/2014
2. Khawaja Muhammad Imran Bashir, **Waqas Ahmad**, Muhammad Mubin, Muhammad Shah Nawaz-ul-Rehman: *Molecular diagnosis of Dengue disease related viruses through PCR*. 2nd International Symposium on Dengue Fever, Punjab Medical College Faisalabad, Punjab, Pakistan; 09/2012
3. Permanent Registered Veterinary Medical Practitioner (RVMP), Pakistan Veterinary Medical Council.

### Computer Skills:

1. MS office tools
2. Hardware Assembling

### Hobbies & Extracurricular Activities:

1. Freelance content writer for websites & blogs
2. Badminton
3. Movies
4. Research Gate/Academia/Facebook/Mendley/Loop
5. Content writer and host for Retinitis Pigmentosa ([www.rpcure.net](http://www.rpcure.net))
6. Teaching English as foreign language in China.

### Publications:

1. **Waqas Ahmad**, Fazal Mahmood, Yingying Li, Ming Duan, Zhenhong Guan, Maolin Zhang, Muhammad Amjad Ali, Zengshan Liu: Immunopathological Studies of Canine Rabies in Faisalabad, Pakistan. *J. Anim. Plant Sci.*, 26(3), 2016: 636-642.
2. F Huang, **W Ahmad**, M Duan, Z Liu, Z Guan, M Zhang, B Qiao, Y Li, Y Song, Y Chen, M. Amjad Ali: Efficiency of live attenuated and inactivated rabies viruses in prophylactic and post exposure vaccination against the street virus strain. *Acta Virologica* 06/2015; 59(2): 117-24. DOI: 10.4149/av\_2015\_02\_117.
3. F. Huang, Z. Guan, **W. Ahmad**, B. Qiao, Y. Song, M. Duan, M. Zhang: Protective efficacy of live attenuated rabies virus against Lethal Challenged Virus Strain (CVS-11) infection in the Central Nervous System (CNS) of mice. *Revue de Médecine Vétérinaire* 07/2014; 165(7):219-224.
4. H Zhang, H Yu, J Wang, M Zhang, X Wang, **W Ahmad**, M Duan, Z Guan: The BM2 protein of influenza B virus interacts with p53 and inhibits its transcriptional and apoptotic activities. *Mol. Cell. Biochem.*, 02/2015; 403(1-2). DOI: 10.1007/s11010-015-2349-7.
5. Gang Liu, Yan Su, Mengjiao Zhou, Jixue Zhao, Tianyu Zhang, **Waqas Ahmad**, Huijun Lu, Ning Jiang, Qijun Chen, Mei Xiang, Jigang Yin: Prevalence and molecular characterization of *Giardia duodenalis* isolates from dairy cattle in northeast China. *J. Exp. Paras.* 04/2015; 154. DOI:10.1016/ 03.020.
6. Dong Liu, Zeng-Shan Liu, Pan Hu, Ling Cai, Bao-Quan Fu, Yan-Song Li, Shi-Ying Lu, Nan-Nan Liu, Xiao-Long Ma, Dan Chi, Jiang Chang, Yi-Ming Shui, Zhao-Hui Li, **Waqas Ahmad**, Yu Zhou, Hong-Lin Ren. Characterization of surface antigen protein 1 (SurA1) from *Acinetobacter baumannii* and its role in virulence and fitness. *Vet. Microbiol.*, 2016, 186: 126–138.

7. L Diallo, Q Cao, F Yang, Z Yang, J Cui, L Gang, T I M Dafaalla, M Diarso, **W Ahmad**: Seed priming effects of yuhuangjin on spring maize. J. Anim. Plant Sci., 02/2015; 25(3):747-754.
8. Muhammad Amjad Ali, Masood Akhtar, Mian Muhammad Awais, Muhammad Raza Hameed, Faiz-ul-Hassan, **Waqas Ahmad**. Effect of Birth Weight and Sex of The Calf on Incidence of Calving Disorders In Buffaloes In Punjab Province, Pakistan (A Case Study). Sci.Int., 28(3), 3179-3182, 2016

#### Submitted Research Articles:

9. **Waqas Ahmad**, Fazal Mahmood, Yingying Li, Ming Duan, Zhenhong Guan, Maolin Zhang, Muhammad Amjad Ali, Zengshan Liu: Case Study of a Rabid Dog: Vaccine Failure and Owner's Ignorance. J. Anim. Plant Sci., (ID: VS-16-0014, Under Review): 26(3): 1-15.
10. **Waqas Ahmad**, Yingying Li, Ming Duan, Zhenhong Guan, Maolin Zhang, Zengshan Liu: Peeping into Structural and Functional Architecture of actin and microtubule cytoskeleton in neuron. Acta Biochem. Polish (ID: ABP 2016\_1254, Under Review).
11. **Waqas Ahmad**, Yingying Li, Ming Duan, Zhenhong Guan, Maolin Zhang, Zengshan Liu: Rabies Virus Colocalizes with Early (Rab5) and Late (Rab7) Endosomal Proteins in Neuronal and SH-SY5Y Cell Lines. (Submitted in Acta Virologica).
12. **Waqas Ahmad**, Yingying Li, Ming Duan, Zhenhong Guan, Maolin Zhang, Zengshan Liu: Street and fixed rabies virus down-regulates expression of EB3 and p140cap in cortical neurons. (Submitted in Acta Virologica).
13. Liu Xinyue, Li Yingying, **Waqas Ahmad**, Xinyu Wang, Ming Duan, Zhenhong Guan, Zhang Maolin: Fluorescent Isothiocyanate Dextran Evaluates the Permeability of Blood-Brain Barrier in Rabies Infected Mice. (Under Review: ID: RMV16-0524-1) Revue de Médecine Vétérinaire.

#### References:

1. **Prof. Zengshan Liu** (zslu1959@sohu.com): Deputy Director, Key Laboratory of Zoonosis, Ministry of Education, Institute of Zoonosis, Jilin University, 5333 Xian Road, Changchun 130062, People's Republic of China.
2. **Prof. Maolin Zhang** (zhrei98@163.com): Key Laboratory of Zoonosis, Ministry of Education, Institute of Zoonosis, Jilin University, 5333 Xian Road, Changchun 130062, People's Republic of China.
3. **Dr. M. Shah Nawaz-Ur-Rehman** (msnawazulrehman@uaf.edu.pk): Assistant Prof. Centre of Agricultural Biochemistry and Biotechnology. University of Agriculture, Faisalabad. Pakistan,
4. **Prof. M. Tariq Javed** (Javedmt@gmail.com): Department of Pathology, Faculty of Veterinary Sciences, University of Agriculture, Faisalabad. Pakistan.