

Curriculum Vitae
MONA Nasr Abdelnaeim Hussein, PhD

1. Personal Information

Name	Mona Nasr Abdelnaeim Hussein
Nationality	Egyptian
Date of birth	23-09-1983
Place of birth	Giza- Egypt
University	Benha University, Benha, Egypt
Faculty	Veterinary medicine
Department	Histology and cytology
Academic degree	Philosophy of Doctor degree
JOB	Associate professor, Faculty of veterinary medicine, Benha university, Egypt
Scientific scholarship	Postdoctoral scholarship at Huazhong agriculture university, China, from May 2016 to May 2020
Email (university)	Mona.hussein@fvtm.bu.edu.eg
Email (alternative)	monahussein225@gmail.com

2. Professional positions

Date From - to	Institution	Position
April 2006- October 2009	Faculty of Veterinary Medicine- Benha University	Demonstrator
October 2009- June 2014	Faculty of Veterinary Medicine- Benha	Assistant Lecturer

	University	
June 2014- May 2016	Faculty of Veterinary Medicine- Benha University	Lecturer
May 2016- May 2018	College of Fisheries, Huazhong agriculture university, China.	Postdoctoral scholarship
May 2018- May 2020	College of veterinary medicine, Huazhong agriculture university, China.	Postdoctoral scholarship
May 2020- Current	Associate professor faculty of veterinary medicine, Benha university, Egypt	Associate professor

3. Education

Institution	Degree obtained	Year
Faculty of Veterinary Medicine, Benha University	Bachelor of Veterinary Sciences Grade: Very Good	2005
Faculty of Veterinary Medicine, Benha University	Master of Veterinary Sciences (histology and cytology)	2009
Faculty of Veterinary Medicine, Benha University	Ph.D. of Veterinary Sciences (histology and cytology)	2014

4. Experience/ Skills / Achievements

A. Experience:

Teaching Experience

2006- 2023 Teaching the practical and theoretical parts of histology and cytology course, Faculty of Veterinary Medicine, Benha University, Egypt.

Research Experience

Theses

1. Master thesis

“Histological and Ultrastructure of the Immune Organs of Tilapia Nilotica Fish during Different Seasons”

2. *Ph.D. thesis*

“Postnatal Development of the Testis and Epididymis of the Sheep”

List of publications

- 1- **smaa S. Abd El-Naby, Amel M. El Asely, Mona N. Hussein, Reham M. Fawzy, Mohsen Abdel-Tawwab.** Stimulatory effects of dietary chia (*Salvia hispanica*) seeds on performance, antioxidant-immune indices, histopathological architecture, and disease resistance of Nile tilapia. *Aquaculture*. 2023; vol. 563 part 1, 738889. <https://doi.org/10.1016/j.aquaculture.2022.738889>.
- 2- **Hussein MNA and Cao X (2021).** Characterization of neural stem cells and proliferating cells in the brain of Loach (*Misgurnus anguillicaudatus*). *Egyptian journal of histology*. 2022;45(4):1288-1295. <https://doi.org/10.21608/ejh.2021.55093.1404>
- 3- **Jinsong Yu, Yue Li, Mona N. Hussein, Zhongchao Wang, Jinxia Dai, Gang Cao (2021).** Fiber Photometry of Neural Activity in Specific Neural Circuit. In: Fakhoury M. (eds) *The Brain Reward System. Neuromethods*, vol 165. Humana, New York, NY. https://doi.org/10.1007/978-1-0716-1146-3_16
- 4- **Hussein MNA, Cao X, Elokil AA, Huang S. (2020).** Characterisation of stem and proliferating cells on the retina and lens of loach (*Misgurnus anguillicaudatus*). *J Fish Biol*. 2020;96(1):102-110. <https://doi.org/10.1111/jfb.14189>
- 5- **Mona N. Hussein; Aya H. Tantawy; Xiaojuan Cao (2020).** Immunohistochemistry of PPAR α , PPAR γ and IFN γ in kidney tissues of african catfish (*clarias gariepinus*) at different seasons. *Veterinary Medicine and Public Health Journal* Vol 1 (1) 22-29 <https://doi.org/10.31559/vmph2020.1.1.5>
- 6- **Abdelmotaleb A. Elokil, Ali A. Bhuiyan, Hua-Zhen Liu, Mona N. Hussein, Hafiz I. Ahmed, Syed A. Azmal, Liubin Yang, Shijun Li (2019).** The capability of L-carnitine-mediated antioxidant on cock during aging: evidence for the improved semen quality and enhanced testicular expressions of GnRH1, GnRHR and melatonin receptors MT $\frac{1}{2}$. *Poult Sci*. 2019;98(9):4172-4181. <https://doi.org/10.3382/ps/pez201>
- 7- **Mona N. A. Hussein and Xiaojuan Cao (2018).** Brain anatomy and Histology in Teleosts. *Benha Veterinary Medical Journal*, VOL. 35, NO. 2: 446-463. <https://doi.org/10.21608/bvmj.2018.96440>

- 8- Li Y., Jia Z., Liang X., Matulic D., Hussein M. and Gao J. (2018).** Growth performance, fatty-acid composition, lipid deposition and hepatic-lipid metabolism-related gene expression in juvenile pond loach *Misgurnus anguillicaudatus* fed diets with different dietary soybean oil levels. *Journal of Fish Biology*. (2018) **92**, 17–33.
<https://doi.org/10.1111/jfb.13472>
- 9- Huang S., Cao X., Wang W. and Nasr M. (2018).** Fertility and ploidy of gametes of allodiploid and allotriploid loaches produced by diploid *Misgurnus anguillicaudatus* females and *Paramisgurnus dabryanus* males. *Fish Physiol Biochem j.* (2018) 44:13–20.
<https://doi.org/10.1007/s10695>
- 10- Elzoghby, I.M.A., Sosa, G.A. and Hussein, M.N.A. (2014).** Postnatal development of the testes in the sheep. *Benha Veterinary Medical Journal*. 26 (2): 186-190.
- 11- Elzoghby, I.M.A., Sosa, G.A., Hussein, M.N.A. and Manshawy, A.A. (2014).** Postnatal development of the epididymis in the sheep. *Benha Veterinary Medical Journal*. 26 (1): 67-74.
- 12- Attia, H.F., El-Zoghby, I.M.A., Hussein, M.N.A. and Bakry H.H. (2010).** Seasonal changes in the thymus gland of tilapia nilotica fish. *Minufiya Vet. J.* 7 (1):1-8.

B. Skills:

Language Skills:

Arabic: (Mother Tongue)

Spoken (Excellent)

Written: (Excellent)

English:

Spoken (Very Good)

Written: (Very Good)

Computer and statistical Skills:

- Excellent in most computer courses IT, using computers and managing files, word processing, endnote, powerpoint, excel, and internet.
- Image processing using Adobe Photoshop.

Research experience:

- . Tissue processing, sectioning, and staining of ordinary and histochemistry stains.

- . immunohistochemistry and immunofluorescence.
- . RNA extraction, and reverse transcription to cDNA.
- . Gene cloning, 3 race and 5 race technique for obtaining new gene sequences.
- . Gene expression analysis by using real-time PCR and semi-quantitative PCR.
- . Fluorescent in situ hybridization technique for gene expression analysis at tissue level.
- . I have made stereotactic surgery in mice brain, for virus injection, for characterization of neuronal circuits and their function analysis.

5. SCIENTIFIC MEETINGS, SYMPOSIUM, AND CONFERENCES:

- 1- The 45th scientific conference of the Egyptian society of histology Dec. 2020.
The Fifth Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt, Banha – Ein sukhna, Egypt (July 2015).
- 2- The third Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt, (Veterinary Medicine from education to public health and nation economy) Banha – Ras sedr, Egypt (29 Jan-1Feb, 2009).
- 3- The second Scientific Conference, Faculty of Veterinary Medicine, Benha University, Egypt (Veterinary Medicine and its positive role in development) Banha – Ras sedr, Egypt (, 25-28th Jan 2007).
- 4- Neural Circuit Tracer Technology Symposium and the First Neural Circuit Training Class, which held in Huazhong agriculture university, Wuhan, Hubei province, China, at 2016-06-02.
- 5- The 13th National Immunology Conference of the Chinese Society of Immunology, which held in Huazhong Agriculture University, Wuhan, Hubei province, China, at November 7-10, 2018.
- 6- The discovery and research status of helicobacter pylori, which held in Huazhong Agriculture University, Wuhan, Hubei province, China, at 2018-10-03.
- 7- The neuroscience research in health and disease, which presented by Thomas C. Sudhof and held in Huazhong Agriculture University, Wuhan, Hubei province, China, at 2018-09-17.
- 8- The 20th Symposium of the Animal Anatomy and Tissue Embryology Branch (first round), which held in Huazhong agriculture university, Wuhan, Hubei province, China, at 2018-03-19.

9- The 5th international symposium on Genomics and crop genetic improvement heterosis, which held in Huazhong agriculture university, Wuhan, Hubei province, China, at October 22-25, 2018.

10- The 5th international 3D Genomics symposium, which held in Huazhong agriculture university, Wuhan, Hubei province, China, at 2018-10-13,14.

11- The Stem cell and gene editing: strengths and challenges, which held in Huazhong agriculture university, Wuhan, Hubei province, China, at 2018-11-13.

12- The Natural immune cells that speak “manganese” ion immunomodulation and tumor therapy, which held in Huazhong agriculture university, Wuhan, Hubei province, China, at 2019-03-29.