

## Contact information



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Sex: female | Date of birth: March 24, 1990 | Nationality: Egyptian

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## Work experiences

**From September 2016  
till now**

Assistant Lecturer of Physiology at the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

<http://www.kfs.edu.eg/vet/>

**June 2013 - September  
2016**

Demonstrator of Physiology at the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.

<http://www.kfs.edu.eg/vet/>

**November 2012 – June  
2013**

Veterinarian at Animal Health Research Institute, Egypt.

<http://www.arc.sci.eg/InstsLabs/Default.aspx?lang=ar&OrgID=8>

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## Qualifications

**September 2022**

**Doctor of Philosophy (Ph.D.)**

Nitration/dysfunction of myogenic stem satellite cell activator HGF: the physiological impact on age-related muscle atrophy with impaired regeneration

**The Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, Japan.**

**August 2016**

**Master of veterinary science (M.V.Sc.)**

Physiological Study on Some Factors Affecting Reproductive Efficiency in Some Fishes

**Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.**

**July 2011**

**Bachelor of veterinary science (B.V.Sc.)**

**Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt.**

## Scholarships

- Research student at Muscle & Meat Sci. Lab., Department of Animal and Marine Bioresource Sciences, Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, Japan. From April 2019 to September 2019.
- Full Ph.D. scholarship (Egypt-Japan Education Partnership) at Muscle & Meat Sci. Lab., Department of Animal and Marine Bioresource Sciences, Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, Japan. From October 2019 to September 2022.
- Training at Muscle & Meat Sci. Lab., Department of Animal and Marine Bioresource Sciences, Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, Japan. From September 2022 till now

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## Teaching skills

- Teaching the practical course of physiology for first- and second-year students at the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt. From 2013 till 2019
- Teaching assistant in the physiology summer courses for first- and second-year students at the Faculty of Veterinary Medicine, Kafrelsheikh University, Egypt. From 2013 till 2019
- Teaching assistant in muscle and meat sci. lab at the The Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, Japan . From September 2022 till now

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## Scientific skills

- Western blotting
- Cell culture
- ELISA
- Direct-immunofluorescence microscopy
- HPLC
- Gene Expression
- PCR and qPCR
- Statistics and Data Analysis

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## Awards

- Kafrelsheikh University Award for International Scientific Publication, 2023.

## Conferences

- Applied for the 9<sup>th</sup> Annual Meeting of the Japan Muscle Society, Osaka, Japan; 19-18 August 2023. Nomination to Young Investigator Award, first oral presentation.
- Applied for 131<sup>st</sup> Annual Meeting of Japanese Society of Animal Science, Hokkaido, Japan; September 18-21, 2023. Second author, e-poster presentation.
- The 130<sup>th</sup> Annual Meeting of the Japanese Society of Animal Science, Tokyo University of Agriculture, Tokyo, Japan, September 14-17, 2022. Second author, e-poster presentation.
- Cell Bio Virtual 2021 (American Society for Cell Biology (ASCB) and the European Molecular Biology Organization (EMBO) Online Meeting, December 1-10, 2021. First author, e-poster presentation.
- The 7<sup>th</sup> Annual Meeting of the Japan Muscle Society, hybrid conference, Kyoto University, Kyoto, Japan, December 11-12, 2021:
  - Nitration and dysfunction of NK1 domain of myogenic stem cell activator HGF. First author, e-poster presentation.
  - Nitration/dysfunction of myogenic stem cell activator HGF: age-related event predominant in fast IIx, IIa myofiber ECM. Second author, oral presentation.
  - Toward establishing quiescent/dormant myogenic stem satellite cell cultures. Third author, e-poster presentation.
- The 128<sup>th</sup> Annual Meeting of the Japanese Society of Animal Science, Kyushu University, Japan, March 28-29, 2021. First author, e-poster presentation.

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## Workshops

- Intensive reproductive and embryo biotechnologies, Graduate School of Agriculture Kyushu University, Japan, 18 May- 8 June 2022.
- Sustainable meat and food production and consumption around the World, faculty of co-creation, Kyushu University, Japan, March 2022.
- A guest speaker at the online career talk event held by International Student Supporters (Kyurious) in collaboration with the International Student Exchange Section, Faculty of Agriculture, Kyushu University, March 15, 2022.

- Joined in "Oral presentation online workshop" that was held on March 21, 2022, by Kyushu University Gender Equality Office.
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### Memberships

- A member of the Japan muscle society from 2021 till now.
  - A member of KUFSA (Kyushu University Foreign Students Association from April 2019 till now.
  - A member of The Student Committee for Internationalization of Kyushu University (SCIKyu), from 2022 till now.
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### Research interests

- Molecular mechanism of postnatal muscle growth and regeneration.
  - Sarcopenia and age-related skeletal muscle atrophy.
  - Molecular mechanisms for satellite cell activation to entry into the cell cycle and quiescence.
  - Molecular mechanisms of muscle hypertrophy, regeneration, and atrophy and their nutritional functional control.
  - Autonomous regulation of muscle fiber type by muscle stem cells.
  - Posttranslational protein modifications in skeletal muscle.
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### Publications

- **Alaa Elgaabari**, Nana Imatomi, Hirochika Kido, Miyumi Seki, Sakiho Tanaka, Yuji Matsuyoshi, Takashi Nakashima, Shoko Sawano, Wataru Mizunoy, Takahiro Suzuki, Mako Nakamura, Judy E. Anderson, Ryuichi Tatsumi. [A pilot study on nitration/dysfunction of NK1 segment of myogenic stem cell activator HGF](#). *Biochemistry and Biophysics Reports*, 2022.
- **Alaa Elgaabari**, Atsuko Miyawaki-Kuwakado, Kosuke Tomimatsu, Qianmei Wu, Kosuke Tokunaga, Wakana Izumi, Takahiro Suzuki, Ryuichi Tatsumi, Mako Nakamura. [Epigenetic effects induced by the ectopic expression of Pax7 in 3T3-L1](#). *The Journal of Biochemistry*, 2021.
- **Alaa Magdy Elgaabary**, Shawky Mahmoud, Michel Fahmy Saad, Ahmed Abdel Azeez Abdel Rahman. [Potassium Permanganate Alleviates the Potential Effect of Estrogenic Pollutants on Vitellogenin Gene Expression in Male Oreochromis Niloticus](#). *World's Veterinary Journal*, 2016.

## References

1. Ryuichi TATSUMI, Ph.D. Professor, Muscle & Meat Sci. Lab., Department of Animal and Marine Bioresource Sciences, Graduate School of Agriculture, Kyushu University.  
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2. Mako Nakamura, Ph.D. (Ms.), Faculty of Agriculture, Kyushu University  
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Email: [mako\\_n@agr.kyushu-u.ac.jp](mailto:mako_n@agr.kyushu-u.ac.jp)
3. Takahiro Suzuki, Department of Natural and Biological Sciences, Faculty of Agriculture, Kyushu University, Department of Animal and Marine Biology  
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