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Objectives

I have obtained the master degree in Biostudies (Global Frontier in Life Science Program) at Kyoto University on 25th Sept 2018. The title of the thesis is “**The Role of Primate-Specific Nuclear microRNAs in Regulating Human Neuron Cell-Fate**”. I am looking for better understanding the molecular mechanisms underlying human diseases such as cancer, and neurodegenerative diseases.

Research Interests

- Molecular and cell biology
- Cancer biology
- Neurobiology

Education

01/10/2016 – 25/09/2018	Master degree in Biostudies (Systemic Life Science), Kyoto University, JAPAN (Grade of courses A) Supervisors: Assoc. Prof. Peter Mark CARLTON & Assoc. Prof. Dan Ohtan WANG Laboratory: Dan Ohtan Wang Research Group
13/09/2009 – 21/07/2013	B.Sc in Science (Zoology Major), Faculty of Science, Assiut University, EGYPT. Grade: Excellent with honor (GPA: 3.82/4.00).

Work Experiences

- Instructor, Zoology Department, Faculty of Science, Assiut University, EGYPT.
(Dec. 2013 - Dec. 2018)
- Assistant Lecturer, Zoology Department, Faculty of Science, Assiut University, EGYPT.
(Jan. 2019 - Now)

Duties; Participating in teaching the practical courses of molecular and cell biology, cytology, histopathology, developmental biology and general zoology for the undergraduate students, Assiut University.

Honors and Scholarships

- Konosuke Matsushita Memorial Foundation Scholarship (KMMF) for 2 years
(Oct. 2016 - Sept. 2018)
- Distinction level award for 4th year of undergraduate study (2014)
- Distinction level award for 3rd year of undergraduate study (2013)
- Distinction level award for 2nd year of undergraduate study (2012)
- Distinction level award for 1st year of undergraduate study (2011)
- Distinction level award for Secondary School degree level (2010)

Research Experience

□ During Master Study

The title of my thesis is "***The Role of Primate-Specific Nuclear microRNAs in Regulating Human Neuron Cell-Fate***", and to complete this work the below experiments and characterizations were performed:

- Bioinformatic analysis of miRNA microarray data
- Cell culture
- RNA purification and quantification
- miRNA cloning and overexpression
- Gel electrophoresis
- RT-qPCR
- miRNA-Fluorescent in situ hybridization (miR-FISH)

- Immunostaining
- Super resolution imaging using Confocal Laser Scanning Microscope (LSM800)
- Studying dendritic spines phenotypes in mouse hippocampal cells.

Courses: Advanced Molecular Biology, Cancer Biology, Life Science from Basics to Applications; from Molecular Biology to System Biology, Global Frontier in Life Science, Basic English Discussion in Life Science, and Beginning Science Course.

□ **During Bachelor Study**

I used the instruments of transmission electron microscopy (TEM) and scanning electron microscopy (SEM), hemocytometer, spectrophotometer, microtomes, PCR, and gel electrophoresis.

Symposiums and Scientific meetings

- **S. A. O. Galal**, B. J. Goldie, P. M. Carlton, M.J. Cairns, and D. O. Wang, 17th international joint mini-symposium on molecular and cell biology among Kyoto University, National Taiwan University, and University of Tsukuba, *Poster presentation*, Kyoto University, Kyoto, JAPAN, Jun. 2018.
- **S. A. O. Galal**, and D. O. Wang, the 9th retreat of Institute for Integrated Cell-Material Sciences (iCeMS), *Poster presentation*, Kyoto University, Kyoto, JAPAN, Oct. 2017.

Training Courses and Workshops

- **Workshop about how to get published under-supervision of IOP publishing academy, Assiut University.** (Oct. 2019)
- **Training course in scanning and transmission electron microscopies, Assiut University.** (Jul. 2012)
- **Workshop about RT-qPCR at Genetic Engineering and Molecular Biology Research Unit of Assiut University.** (Jul. 2012)

Language and Computer Abilities

- **Language abilities.** Arabic; Mother tongue & English; (TOEFL IBT: **81**).
- **Computer Abilities.** Imaris software, ImageJ program, and EZR software & ICDL certificate.

References

1. Dr. Dan Ohtan WANG

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2. Dr. Peter CARLTON

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3. Dr. Osamu CHISAKA

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4. Dr. James Alan HEJNA

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