

Curriculum Vitae

Ahmed A. Raslan, Ph.D.



- Lecturer (Assistant professor) at Zoology Department, Faculty of Science, Assiut University, Assiut, Egypt

Personal Information:

- **Name:** Ahmed Ahmed Raslan Mohamed Ali
- **Gender:** Male
- **Date & place of birth:** October, 1987, Qena, Egypt
- **Nationality:** Egyptian
- **Marital status:** Married and have one child
- **Address:** Zoology Department, Faculty of Science, Assiut University, Assiut, Egypt.

Tel: +201019181841 Mobile

- **E-mail:** Ahmed.raslan@aun.edu.eg
Ahmed.raslan8080@gmail.com

Education

- 2008** B.Sc. Zoology Department, Assiut University, Assiut, Egypt
Graduation paper Title: Types of Anemia (Causes, Symptoms and Medication), Review
- 2013** M.S. in Molecular Endocrinology, Department of Marine Molecular Biotechnology, Faculty of Life Science, Gangneung-Wonju University, Korea (advisor: Professor. Young Chang Sohn, Ph.D.),
M.Sc. thesis title: Molecular characterization, mRNA expression, and transcriptional properties of liver X receptor in the ascidian, *Halocynthia roretzi*
- 2021** Ph.D. in Stem Cell Biology, Soonchunhyang Institute of Med-bio Science (SIMS), Soonchunhyang University, Cheonan, Korea (advisor: Professor. Jeong Kyo Yoon, Ph.D.)
Ph.D. thesis title: Expression and function of WNT signaling modulator, R-spondin2, in mouse lung stem/progenitor cells

Professional Background

2009-2014 Demonstrator at Zoology Department, Faculty of Science, Assiut University, Egypt.

2014-2021 Assistant lecturer at Zoology Department, Faculty of Science, Assiut University, Assiut, Egypt

2013-2015 Teaching assistant at Division of Biomedical Convergence, College of Biomedical Science Kangwon National University, Chuncheon, Korea

2015-2017 Researcher at Neurodevelopmental biology lab, Division of Biomedical Convergence, College of Biomedical Science Kangwon National University, Chuncheon, Korea

2017-2021 Ph.D. Research, Soonchunhyang Institute Of Med-bio Science (SIMS) (advisor: Professor Jeong Kyo Yoon), Soonchunhyang University, Cheonan, Korea

2021-present lecturer at Zoology Department, Faculty of Science, Assiut University, Assiut, Egypt

Publications

1-Raslan AA., Oh YJ, Jin YR and Yoon JK. (2022) R-Spondin2, a Positive Canonical WNT Signaling Regulator, Controls the Expansion and Differentiation of Distal Lung Epithelial Stem/Progenitor Cells in Mice. **International Journal of Molecular Sciences.** 23 (6), 3089.

2-Chowdhury MAU*, Raslan AA*, Lee E*, Eum J, Hwang BJ, Kwon SH and Kee Y. (2021) Histopathological assessment of laterality defects in zebrafish development. **Animal Cells and Systems.** 25(3): 136–145.

*These authors contributed equally to the work.

3-Raslan AA. and Yoon JK. (2020) WNT signaling in lung repair and regeneration. **Molecules and cells.** 43 (9), 774.

4-Raslan AA. and Yoon JK. (2019) R-spondins: multi-mode WNT signaling regulators in adult stem cells. **The international journal of biochemistry & cell biology.** 106, 26-34.

5-Ki S, Kwon SH, Eum J, Raslan AA, Kim KN, Hwang BJ and Kee Y. (2019) 3D light-sheet assay assessing novel valproate-associated cardiotoxicity and folic acid relief in zebrafish embryogenesis. **Chemosphere.** 22, 551-560.

6-Mousa MM, Hussein KM, Shin J, Raslan AA, Lee J, Woo HM, Park CH and Kim CS. (2016) Amorphous apatite thin film formation on a biodegradable Mg alloy for bone regeneration: strategy, characterization, biodegradation, and in vitro cell study. **RSC Advances.** 6 (27), 22563-22574.

7-Eum J, Kwak J, Kim HJ, Ki S, Lee K, Raslan AA, Park OK, Chowdhury MAU, Her S, Kee Y, Kwon SH and Hwang BJ. (2016) 3D Visualization of Developmental Toxicity of 2,4,6-Trinitrotoluene in Zebrafish Embryogenesis Using Light-Sheet Microscopy. **International journal of molecular sciences.** 17 (11), 1925.

8-Raslan AA, Lee JH, Shin J, Shin YK, and Sohn YC. (2013) Transcriptional activity and expression of liver X receptor in the ascidian *Halocynthia roretzi*. **Zoological Science.** 30 (9), 731-41.

9-Raslan AA and Kee Y. (2013) Tackling neurodegenerative disease: animal models of Alzheimer's disease and Parkinson's disease. **Genes Genomics** 35, 425-40.

Poster Presentations

1-**Ahmed A. Raslan**, Youn Jeong Oh, and Jeong Kyo Yoon. Role of RSPO2 in homeostasis of adult lung epithelial stem and progenitor cells. Annual Meeting Of Korean Society for Stem Cell Research (2018)

2-**Ahmed A. Raslan**, Jina Kwak, Abu M.T. Islam, Yoo Jung Jung, Cheol-Hee Kim, Seung-Hae Kwon, Byung Joon Hwang and Yun Kee. Developmental Roles of Ets family Genes in Zebrafish Embryogenesis: Knockout Exercise, International Conference of the Korean Society for Molecular and Cellular Biology (2014)

3-Abu Mohammed Taufiqul Islam, **Ahmed A. Raslan**, Jina Kwak, Yoo Jung Jung, Byung Joon Hwang and Yun Kee. Regulation of Tau Protein Expression by Different Gal4 Lines, International Conference of the Korean Society for Molecular and Cellular Biology (2014)

4-**Ahmed A. Raslan** and Yun Kee. HCR and multiplexed bioimaging: application for gene expression analysis, The 5th Research Conference of Developmental Neurobiologists in South Korea (2013)

5-**Ahmed A. Raslan** and Yun Kee. Comparative Genomic analysis: More Players in the Neural Crest Development, The Korean Society for Molecular and Cellular Biology, Zebrafish Symposium (2013)

6-Abu Mohammed Taufiqul Islam, **Ahmed A. Raslan** and Yun Kee. Establishment of Triple-Transgenic Zebrafish Model of Alzheimer's Disease, Gangwon Bio-Expo (2013)

Lab experience

- 1- Western blot
- 2- qRT-PCR
- 3- Gene knockout and overexpression
- 4- Gene cloning
- 5- Transfection
- 6- Cell culture
- 7- 3D organoid culture
- 8- FACS sorting
- 9- MACS sorting
- 10- Cell isolation
- 11- Immunohistochemistry
- 12- Immunofluorescence

- 13- *In situ* hybridization
- 14- *In vivo* studies
- 15- Confocal microscopy techniques
- 16- scRNA seq

References

1-Prof/ Jeong Kyo Yoon, Ph.D. (Ph.D. thesis advisor)

President, Soonchunhyang Institute of Medi-bio Science
Soonchunhyang University
25 Bongjeong-Ro, Dongnam-Gu
Cheonan, Choongchungnam-Do, 31151, Republic of Korea (South)
Phone: +82- 41-413-5016
E-mail: jkyoon@sch.ac.kr

2- Prof/ Young Chang Sohn, Ph.D. (M.S. thesis advisor)

Professor, Department of Marine Molecular Biosciences
College of Life Sciences, Gangneung-Wonju National University
120 Gangneung Daehangno, Gangneung,
Gangwon Province 210-702, Republic of Korea (South)
Phone: +82-33-640-2348
E-mail: ysohn@gwnu.ac.kr

3- Prof/ Prof. Abo Bakr Mohamed El-Tayeb Abdel-Shakoor, Ph.D.

Professor, Zoology Department
Faculty of Science, Assiut University
71516, Assiut, Egypt
E-mail: abobakr70@aun.edu.eg