



*Medical
Biochemistry &
Molecular Biology*

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NOURHAN MOHAMED METWALY

PERSONAL INFORMATION

- Date of birth: 23 / Sep /1993
- Marital status: Married
- Nationality: Egyptian

QUALIFICATIONS

- M.D degree in Medical Biochemistry & Molecular Biology, Benha university, Egypt, Feb 2025.
- M.SC in Medical Biochemistry & Molecular Biology, Benha university, Egypt, April 2021.
- M.B.B.ch., with a degree of Excellent with honour, Benha University, Egypt, December 2015.

EMPLOYEMENT HISTORY

Current employment

Medical Biochemistry & Molecular Biology lecturer at Faculty of Medicine, Benha university

Start date: 02/2025

Previous employment 1 of 3

Assistant lecturer at Benha University Hospital in Egypt.

Start date: 04/2021

End date: 02/2025

Previous employment 2 of 3

Academic Demonstrator at Benha University Hospitals

Start date: 10/2017

End date: 04/2021

Previous employment 3 of 3

Foundation doctor (FY1) at Benha University hospitals

Start date: 03/2016

End date: 02/2017

SKILLS

Education

PhD in Medical Biochemistry & Molecular Biology, Faculty of Medicine, Benha University (2025)

ciRS-7 and its target miR-7 as Potential Biomarkers for Colorectal Cancer

Demonstrated the gene expression of both ciRS-7 and miR-7 in CRC and detected the correlation between their expression levels, explored the efficacy of ciRS-7 and miR-7 as potential molecular noninvasive tumor markers in diagnosis of CRC.

Master's degree in Medical Biochemistry & Molecular Biology, Faculty of Medicine, Benha University (2021)

Genetic Polymorphism of Long Noncoding RNA H19 in Breast Cancer in Egyptian Females

Evaluated the efficacy of H19 lncRNA expression and rs217727 polymorphism as potential molecular noninvasive tumor markers in diagnosis and prognosis of BC in Egyptian females and conducted the associations between H19 SNP (rs217727) and BC & its effect on the expression of H19 lncRNA.

Teaching

- Taught undergraduate medical students and assisted in delivering practical and theoretical sessions within the Medical Biochemistry Department.
- Participated in departmental academic activities, course organization, exam preparation and student mentoring.
- Assisted in curriculum development and course updates according to faculty standards.

Quality Assurance Work

Prepared course specifications, course reports and program documentation. Ensured compliance with educational quality standards and supported continuous improvement.

Conferences & Workshops

- Departmental conference – Faculty of Medicine at Benha university
Gave a talk titled (Circular RNA: Structure, Function and Biomedical importance) March 2024.
- University Scientific Conference – Benha University
Attended sessions related to Medical Biochemistry & Molecular Biology.

Laboratory & Technical Skills

- DNA/RNA extraction
- PCR, qPCR
- Gel electrophoresis