

Curriculum Vitae

- **Name:** Manal Said Fawzy
- **Date of Birth:** 6 - 9 - 1972.
- **Nationality:** Egyptian.
- **Marital Status:** Married
- **The academic position:** Prof. Medical Biochemistry and Molecular Biology, Faculty of Medicine, Suez Canal University, Ismailia, Egypt.
Present: Prof. Medical Biochemistry, College of Medicine, Northern Border University, Arar, Saudi Arabia
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ResearchGate: https://www.researchgate.net/profile/Dr_Manal_FAWZY

Google Scholar:

https://scholar.google.com/citations?hl=en&user=8AChAH0AAAAJ&view_op=list_works&sortby=pubdate

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56526495400>

Web of Science: <https://www.webofscience.com/wos/author/record/1170306>

Academic Qualifications and Certificates

- **Bachelor of Medicine and Surgery (M.B., B.Ch.),** Faculty of Medicine, Suez Canal University, Grade “Very Good”, (1996).
- **Master of Science, Medical Biochemistry (M.Sc.),** Faculty of Medicine, Suez Canal University, Grade “Excellent”, (2002).
- **M.D. Medical Biochemistry,** Faculty of Medicine, Suez Canal University, (2006).
- **MHPE (Master of Health Professions Education),** Joint Master between School of Health Professions Education-Maastricht University (SHE-MU) and Faculty of Medicine-Suez Canal University (FOM-SCU), Ismailia, Egypt, Grade “Excellent with Honor”, (2010).
- **TOEFL “Local test”.** Total score: 563.
- **ICDL,** 2006.
- **Graduate online Course in Regenerative Medicine (2016-2017 MSC7000Y),** a collaboration between Toronto University in Canada and Cairo University (Sep. 2016-Apr. 2017).
- **Certified International Professional Trainer (CIPT), 2019.** Missouri State University

at the level of Egypt. A certificate from Missouri State University and Cairo University.

Professional Experience:

- **Resident** at Suez Canal University Hospital and Ismailia General Hospital, Ismailia, Egypt (1997 – 1998).
- **Demonstrator** of Medical Biochemistry and doctor in Oncology Diagnostic Unit, Faculty of Medicine, Suez Canal University, Ismailia, Egypt (1998 – 2003).
- **Assistant Lecturer** of Medical Biochemistry and doctor in Oncology Diagnostic Unit, Faculty of Medicine, Suez Canal University, Egypt (2003 – 2006).
- **Lecturer** of Medical Biochemistry and doctor in Oncology Diagnostic Unit, Faculty of Medicine, Suez Canal University, Egypt (2006- 2011).
- **Assistant Prof.** Medical Biochemistry and doctor in Oncology Diagnostic Unit, Faculty of Medicine, Suez Canal University, Egypt (Sep 29, 2011- Dec 26 2016).
- **Assistant Prof.** of Medical Biochemistry, Faculty of Medicine, Northern Border University, KSA (Feb 1, 2012-up to Sep 9, 2014).
- **Associate Prof.** of Medical Biochemistry, Faculty of Medicine, Northern Border University, KSA (Sep 9, 2014- Sep. 2017).
- **Professor** Medical Biochemistry and doctor in Oncology Diagnostic Unit, Faculty of Medicine, Suez Canal University, Egypt (**Dec 27, 2016- present**).
- **Professor** of Medical Biochemistry, Faculty of Medicine, Northern Border University, KSA (**Sep, 2017- present**).

Workshop attendance & participations

- “How to write a research protocol” workshop February 17th-18th, **1999** at Clinical Epidemiology Unit, Faculty of Medicine, Suez Canal University, Ismailia, Egypt.
- December 1990.Applications of Flow Cytometry in Clinical Practice. October 13th-18th, **1999**, National Cancer Institute, Cairo University.
- Mastery Learning, Developing objectives for teaching & learning, Effective classroom teaching and Effective skill lab teaching. Jan. to April, **2006**, Center of Research and Development (CRD), FOM-SCU, Ismailia, Egypt.
- Theoretical and Practical workshop on “Cloning and Gene Expression in Prokaryotic System”. Sep 2nd -12th, **2006**, Mubarak City for Scientific Research, Borg Al-Arab; Alexandria, Egypt.
- Workshop on Use of Technology in Education, the University Education Development Center, Suez Canal University, Ismailia, Egypt 17 – 19 Dec **2006**.
- Workshop on Quality and Accreditation Parameters, the University Education Development Center, Suez Canal University, Ismailia, Egypt 6 –8 Feb **2007**.
- Workshop on New Directions in Teaching, the University Education Development Center, Suez Canal University, Ismailia, Egypt 25 –27 Feb **2007**.
- Health Research Ethics. FOM, SCU in Collaboration with School of Medicine, University of Maryland, USA. Mar 26, **2007**, Ismailia, Egypt.
- Workshop on Thinking Skills, the University Education Development Center, Suez Canal

University, Ismailia, Egypt 4 –8 April **2007**.

- Workshop on Evaluation of teaching, the University Education Development Center, Suez Canal University, Ismailia, Egypt 18 –21 April **2007**.
- Workshop on University Administrative Affairs, the University Education Development Center, Suez Canal University, Ismailia, Egypt 24 –26 April **2007**.
- Theoretical and practical teaching the PCR technique for the Diagnosis of HCV to JICA (Japan International Cooperation Agency) students in the 12th International Course for Clinical immunology of Infectious Diseases & Total Quality Management (ICCI-TQM), Oct 29 – Dec 6 **2007**, Ismailia, Egypt.
- Theoretical and practical teaching the PCR technique for the Diagnosis of HCV to JICA (Japan International Cooperation Agency) students in the 13th International Course for Clinical immunology of Infectious Diseases & Total Quality Management (ICCI-TQM), Oct 20. – Nov 27, **2008**, Ismailia, Egypt.
- The First National Workshop on Medical Education as part of the practical aspect of DHPE through Distance Learning. Jan 29 **2009**, Mansoura University, Egypt.
- Introduction to Bioinformatics. Feb 17th–19th, **2009**. Biotechnology Research Center (BRC), Suez Canal University, Ismailia, Egypt.
- The workshop on Multiple Choice Examinations: As Coordinator and lecturer of Objective Type Question. Jun 12, **2011**. CRD, Faculty of Medicine, Suez Canal University, Ismailia, Egypt.
- Workshop on Credit Hours System, the University Education Development Center, Suez Canal University, Ismailia, Egypt. Oct 30th – 31st, **2011**.
- Workshop on Code of Ethics, the University Education Development Center, Suez Canal University, Ismailia, Egypt. Nov 16th –17th, **2011**.
- Workshop on Strategic Planning, the University Education Development Center, Suez Canal University, Ismailia, Egypt. December 7th –11th, **2011**.
- Workshop on Research Ethics, the University Education Development Center, Suez Canal University, Ismailia, Egypt Jan 1st – 2nd, **2012**.
- World Health Day, **2013**. Acknowledgement for participating in workshop execution, Faculty of Medicine, Northern Border University, Arar, KSA
- World Kidney Day, Mar 12, **2015**, Faculty of Medicine, Northern Border University, Arar, KSA.
- Statistics post PCR. Sep 8, **2015**. Center of Excellence in Molecular & Cellular Medicine. Faculty of Medicine, Suez Canal University, Ismailia, Egypt.
- Molecular Cloning (Bioinformatics). Sep 18, **2015**. Center of Excellence in Molecular & Cellular Medicine. Faculty of Medicine, Suez Canal University, Ismailia, Egypt.
- Computational Systems Biology Workshop (Cytoscape and Galaxy). Sep 28th, 30th & 1 Oct. **2015**. Center of Excellence in Molecular & Cellular Medicine. Faculty of Medicine,

Suez Canal University, Ismailia, Egypt.

- Complete Western Blot Work Flow Station with Quantitation. 13 Mar., **2016**. Medical Biochemistry and Molecular Biology Department, Kasr Al Ainy School of Medicine, Cairo University.
- High Performance Liquid Chromatography (HPLC) as a Diagnostic and Drug-monitoring Tool in clinical practice. Mar 14, **2016**. Medical Biochemistry and Molecular Biology Department, Kasr Al Ainy School of Medicine, Cairo University.
- Systemic Review and Meta-Analysis Workshop. March 16th, 17th, 24th, **2016**. Faculty of Medicine, Suez Canal University, Ismailia, Egypt.
- Statistical Data analysis in Biological Research. May 3rd -4th, **2016**. Faculty of Medicine, Suez Canal University, Ismailia, Egypt.
- R Programming Language May 11th -12th, **2016**. Faculty of Medicine, Suez Canal University, Ismailia, Egypt.
- Competing Research Project. University Education Development Center, Suez Canal University, Ismailia, Egypt. July 27th -28th, **2016**.
- Workshop on the research team administration, the University Education Development Center, Suez Canal University, Ismailia, Egypt. Aug 1st – 2nd, **2016**.
- Workshop on Scientific Conferences Regulation, the University Education Development Center, Suez Canal University, Ismailia, Egypt. Aug 3rd – 4th, **2016**.
- R Programming Language May 11th -12th, **2016**. Faculty of Medicine, Suez Canal University, Ismailia, Egypt
- Introduction to R Nov 20, **2016**. Faculty of Vet. Medicine, Suez Canal University, Ismailia, Egypt.
- Basic graphics with R 21st, Nov 24 **2016**. Faculty of Vet. Medicine, Suez Canal University, Ismailia, Egypt.
- Biostatistics with R 28th -30 Nov. **2016**. Faculty of Vet. Medicine, Suez Canal University, Ismailia, Egypt.
- Quality of scientific publication culture and its importance in the Universities Feb 22 and May 25, **2017**. Northern Border University, Arar, Saudi Arabia.
- Test construction based on perspectives of quality (10 training hours), 14th -15th Mar., **2017**. Northern Border University, Arar, Saudi Arabia.
- The role of researchers in scientific publishing Dec 13, **2017**. Northern Border University, Arar, Saudi Arabia.
- The role of University Faculty in development of student activity (5 traing hours), Apr 10, **2018**. Northern Border University, Arar, Saudi Arabia.
- Web of science publication culture Apr 16. **2018**. Northern Border University, Arar, Saudi Arabia.
- النزاهة الأكاديمية والبحث العلمي (لمدة 2 ساعة) **2018/11/22**
- Eg-CompBio: the 1st Computational Biology Workshop. Saleh Kamel Center, Al-Azhar University, Nasr City, Cairo, Egypt. Sponsored by DAAD (13th July, **2019**).

- تصميم وقياس مخرجات التعلم للبرامج الأكاديمية وفق متطلبات الإطار السعودي للمؤهلات لمدة أربعة أيام (عشرون ساعة تدريبية) خلال الفترة من 2/29 – 1441/3/3 هـ الموافق 28-31/10/2019
- التميز في إدارة الأقسام العلمية (عشر ساعات تدريبية) 16-17/06/1441 هـ / 10-11/02/2020.
- "أساسيات الأمن السيبراني" لمدة 3 أيام من الفترة 14-16/08/1441 هـ الموافق 7-9/04/2020 م
- إدارة المعرفة (4 hours) 21-22/8/2020
- Becoming a PBL online facilitator (Kindg Saud University, College of Medicine) 16-17/9/2020 (27-28 Muharram 1442).
- اعداد الدراسة الذاتية للبرامج الأكاديمية العلمية (10 hours training) 3-4/11/2020 (Self-study design)
- (الإدارة المراجع والاستشهادات) 3/11/2020 (e-training course for RefWorks)
- المؤتمر العلمي الأول لرؤساء ومشرفات الأقسام العلمية نظمتها جامعة الملك عبد العزيز (24-26/3/1442) هـ الموافق 10-12/11/2020 م
- إدارة واستخدام برنامج "Outlook" في بيئة العمل 1442/4/7 هـ الموافق 22/11/2020.
- اساسيات شبكات الحاسب الآلي: 1442/4/8 هـ الموافق 23/11/2020 م
- الدعم الفني والصيانة 24-11-2020
- مبادئ العمل على برنامج Microsoft Office 2020-11-25
- مخاطر الفضاء الإلكتروني وطرق الوقاية منها لمدة يوم واحد 26-11-2020.
- 2nd International Meeting in Clinical Chemistry and Laboratory Medicine - 6th Annual Conference Saudi Society for Clinical Chemistry (19 hours) 1-3/12/2020.
- دورة الكترونية (لمدة ساعتين) عن كيفية الكشف عن معامل التأثير وتصنيف المجلات الدولية باستخدام المكتبة الرقمية بتاريخ 1442/6/21 هـ الموافق 3/2/2021 م.
- (خصائص خريجي البرامج الأكاديمية تصميم - قياس) بعمادة تطوير التعليم الجامعي لمدة 5 ساعات 18/3/2021.
- تقديم دورة تدريبية عن بعد بعنوان اساليب الرد على المجلات العلمية: هينات التحرير، المحكمين، تصويب الأخطاء الموجهة لأعضاء هيئة التدريس وطلاب الدراسات العليا بتاريخ 23-03-2021 (مدرّب).
- Writing For Acceptance. Apr 29, 2021. Edanz Learning Lab.
- Academic Branding. May 14, 2021. Edanz Learning Lab.
- Active participation in Faculty of Medicine Strategic plan workshop (7/9/2021).
- Writing a Systematic Review (Online training), Sep 15, 2021 (8 Safar 1443). Faculty Development Unit, Medical Education Department, College of Medicine, King Saud University.
- Uniqueness of ScienceDirect Platform. Online training through SDL, 26-09-2021.
- Becoming a Scholarly Peer-Reviewer, Sep 29, 2021 (22 Safar 1443). Faculty Development Unit, Medical Education Department, College of Medicine, King Saud University.
- How to identify yourself as a Researcher: Get a Scopus Author ID, Oct 2 2021. Online workshop. Digital transformation and IT Unit. SCU, Egypt.
- Mendeley Reference Management: Easy Sorting & Citation (online course) through SDL, 03/10/2021.
- Cancer Research and Oncology, Oct 7, 2021. Labroots Virtual event.
- Medical College of the Future: From Informative to Transformative webinar. House of Quality & Accreditation, Imam Abdulrahman Bin Faisal University. 13/10/2021.
- How to identify yourself as a Researcher: Get a Google Scholar Profile, Oct 16 2021. Online workshop. Digital transformation and IT Unit. SCU, Egypt.
- What prevents you from increasing your PCR productivity? Oct 18, 2021. Labroots
- Far-Field Optical Nanothermometry via Individual Luminescent Nanoparticles Oct 20, 2021. Labroots Virtual event.

- How to identify yourself as a Researcher: Get an Academic Account, Sep 11. **2021**. Online workshop. Digital transformation and IT Unit. SCU, Egypt.
- How to identify yourself as a Researcher: Interactive Digital Calendar, Sep 18. **2021**. Online workshop. Digital transformation and IT Unit. SCU, Egypt.
- Understanding the How and the Why: Biosafety in Centrifugation, Sep 30, **2021**. Labroots.
- Online course on "How to search ProQuest database" 17-10-**2021**. SDL
- Ensure reproducibility in your B cell analysis Oct 18, **2021**. Labroots Virtual event.
- Understanding the How and the Why: Biosafety in Centrifugation, Oct 20, **2021**. Labroots.
- Diabetes and the Clinical Laboratory Oct 20, **2021**. Labroots Virtual event.
- Including Spatial Proteomics in your research - why and how Oct 22, **2021**. Labroots.
- An NCBI Guide to Finding and Analyzing Metagenomic Data for 1,5 hours 28-10-**2021**.
"ممارسة مجتمعات التعلم وممارسة البحوث الجامعية" 2021/10/24.
- Maximizing tumor microenvironment analysis for TILs from limited patient samples Nov 27 **2021**. Labroots Virtual event.
- "مراجعة معايير ومتطلبات الاعتماد البرامجي" 2021/12/13-12. عمادة تطوير التعليم الجامعي
- Academic Quality Principles. 14-12-**2021**. Faculty of Medicine, NBU, Saudi Arabia
- "تصميمي وتطوير البرامج والمقررات الدراسية" 2022/1/26-25. عمادة تطوير التعليم الجامعي
- استخدام أداة التحقيق (Safe Assign) بنظام (Black board) لتعزيز الأصالة في الواجبات والبحوث المقدمة من الطلاب. 2022/02/09، 8 رجب 1443 هجري (عمادة التعليم الإلكتروني والتعلم عن بعد).
- Roadmap for quality and academic accreditation (Deanship of academic development, NBU), 15-02-**2022**.
- 2nd Annual Saudi Laboratory and Diagnostic Congress 20-22 February **2022** (King Saud University and Saudi Society for Clinical Laboratory Sciences).
- يوم الكلى العالمي 2022-03-8 – كلية الطب شطر الطالبات
- "اختيار اوعية النشر للترقية العلمية" 2022/03/8 (عمادة تطوير التعليم الجامعي) .
- متطلبات التأهل للاعتماد البرامجي 2022/03/22 بواقع (3 ساعات) (عمادة تطوير التعليم الجامعي).
- اساسيات التصنيف الدولي للمجلات العلمية المحكمة. 2022/04/13 (عمادة تطوير التعليم الجامعي).
- أخلاقيات البحث العلمي 2022/04/20 (عمادة تطوير التعليم الجامعي).
- صياغة مخرجات التعلم للبرامج الأكاديمية وقياسها، 2022/05/22م "عن بعد" بواقع (4 ساعات) (عمادة تطوير التعليم الجامعي).
- ورشة عمل لتطوير الاستراتيجية الوطنية للبحث والتطوير والابتكار – مجال التركيز: الصحة (Health & Wellness) (King Abdullah International Medical Research Center, KAIMRC)، الأربعاء 25 مايو 2022.
- "شبكة العلوم (Web) ومكوناتها وقواعد بياناتها والمجلات ذات معامل التأثير IF". 2022/05/25 بواقع (3 ساعات) (عمادة تطوير التعليم الجامعي).
- وظيف أداة Blackboard Ally لتحسين إمكانية الوصول الشامل للمحتوي الإلكتروني التعليمي 2022-12-21 لمدة ساعتين (عمادة التعليم الإلكتروني والتعلم عن بعد)
- Major instructional strategies and their effective usage in health professions education. Implemented Online by Health Professional Education Committee on 14 /2 /2023 (for 5 hours) supported by the "Deanship of University Education Development".
- Study Skills Course: Practical Implications for Curriculum Developers. Implemented Online by Health Professional Education Committee. On 01 /03 /2023 (for 5 hours).
- دورة توظيف أداة الإنجازات Achievements في تحفيز الطلاب بنظام Blackboard، 29/03/2023، "عن بعد" لمدة (ساعتين) (عمادة التعليم الإلكتروني والتعلم عن بعد).

Attended Conferences

- Conjoint Meeting of the Egyptian Society of hepatology (ESH) and international college of Surgeons (ICS): New Horizons for better health. March 4-5, 2004, El-Salam Concorde Hotel, Cairo-Egypt
- The First International Congress of ESPHO (Egyptian Society of Pediatric Hematology-Oncology). April 8th – 9th, 2004, Cairo, Egypt.
- 18th Annual Conference of the Egyptian Society of Laboratory Medicine. The Laboratory: From Self-Evaluation to Accreditation. March 21st- 22nd, 2007, Cairo, Egypt.
- 5th Scientific Conference of Clinical Pathology Dep. “Updates in Laboratory Diagnosis of Hematological Diseases”. May 3, 2007, Ismailia, Egypt.
- The first scientific conference of Medical Biochemistry Dep., Faculty of Medicine, Mansoura University in collaboration with the Egyptian Society of Biochemistry and Molecular Biology (ESBMB). Feb 14th, 2008, Mansoura, Egypt.
- The annual International Conference on “Human genome: A Revolution in Modern Biochemistry and Molecular Biology”. April 22nd - 23rd, 2008, Cairo, Egypt.
- Annual Research Meeting, Physiology Dep., Suez Canal University. Stem Cell Therapy, June 18th – 19th, 2008, Ismailia, Egypt.
- Annual Scientific Conference on “Recent Advances in Biochemistry and Molecular Biology”. April 28th – 29th, 2009, Cairo, Egypt.
- Annual Scientific Conference on Biochemistry and Molecular Biology “Present and Future “. April 14th – 15th, 2010, Cairo, Egypt.
- 4th International Conference on Natural Toxins, December 20-22/2010, Ismailia, Egypt.
- The 5th Annual Conference of The Egyptian Society of Stem Cell Therapy. In collaboration with Faculty of Medicine, Cairo University & Stem Cell Committee, Ministry of Health. Dec 15, 2011, Main Conference Hall, Faculty of Medicine, Cairo University.
- 2nd International Meeting in Clinical Chemistry and Laboratory Medicine - 6th Annual Conference Saudi Society for Clinical Chemistry (Dec 1, 2020 - Dec 3, 2020) – 18 hours.
- “Rising to the Challenge”. International Roche Infectious Diseases (IRIDS) Virtual Events. December 6-8th / 13-15th, **2021**.
- 3rd International Meeting in Clinical Chemistry and Laboratory Medicine - 7th Annual Conference Saudi Society for Clinical Chemistry (Nov 30 - Dec 3, **2021**) - 23 hours.

-Posters and presentations

- **Oral presentation** in the conjoint meeting of the Egyptian Society of Hepatology (ESH) and International College of Surgeons (ICS) March 4-5, **2004**, El-Salam Concorde Hotel, Cairo-Egypt.

Title: Possible Role of Activation of Caspases 3 and 8 in Apoptosis of Peripheral Blood Mononuclear Cells in HCV-Infected Patients

- **Poster at 4th International Conference on Natural Toxins, Ismailia- Egypt, 20-22 December 2010**

Title: Possible Impact (s) Of Cellular Phone Electromagnetic Radiation on Human Sperm Parameters.

- **Poster at 4th International Conference on Natural Toxins, Ismailia- Egypt, 20-22 December 2010**

Title: Isocitrate Dehydrogenase Enzyme as a Mitochondrial marker on Idiopathic Asthenozoospermia among Cellular Phone Users.

- **Poster at the 21st International Thrombosis Congress, Milan –Italy, July 2010**

Title: Thrombin-activatable fibrinolysis inhibitor Thr325Ile polymorphism; relationship with plasma TAFI levels and risk of myocardial infarction in Egyptian patients

- **Poster at the IFCC-Worldlab berlin-Germany, May 2011**

Title: Vitamin D Binding Protein Gene Polymorphisms and Risk of Type 1 Diabetes Mellitus among Egyptians

- **Poster at the American Association for Clinical Chemistry (AACC) Annual Meetings, Los Angeles, CA, USA, July 15-19, 2012**

Title: Estrogen Receptor Alpha Gene Polymorphisms and The Risk of Breast Cancer in A Group of Egyptian Women.

- **Poster at the 6th International Scientific Conference, Faculty of Pharmacy, Cairo University. April 25th - 26th, 2015.**

Title: Protective effect of boswellic acids versus pioglitazone in a rat model of diet-induced non-alcoholic fatty liver disease: influence on insulin resistance and energy expenditure.

- **Poster at the Third Annual Conference of the Medical Biochemistry and Molecular Biology Dep. Mar 12, 2016. Kasr Al-Ainy School of Medicine, Cairo University.**

Title: Could MicroRNA-196a2 Variant Pave the Road Towards Personalized Therapy in Chronic Obstructive Pulmonary Disease?

- **Poster at The First Annual Symposium in the Department of Pharmacology & Toxicology, May 9, 2016**

Title: Arrhythmogenic Effect of Levofloxacin in Rats and Effect on Cardiac Herg Potassium Channel Expression.

- **Poster at International Conference on Nucleic Acids: Biology, Human Health and Diseases. August 4th - 5th, 2016. New Orleans, Louisiana, USA. DOI: 10.13140/RG.2.1.3991.3200**

Title: A passenger strand variant in miR-196a2 contributes to asthma severity in children and adolescents.

- **Poster at International Conference on Nucleic Acids: Biology, Human Health and Diseases. August 4th - 5th, 2016. New Orleans, Louisiana, USA.**

Title: Functional and Structural Impact of ATP-Binding Cassette Transporter A1 R219K and I883M Gene Polymorphisms in Obese Children and Adolescents.

- **Poster at** Histology & Cell Biology Department Annual Scientific Meeting “Genetics from Bench to Beside”, Mar 29. **2017**, FOM-SCU, Egypt (Doi: 10.13140/RG.2.2.16485.70889)

Title: Precursor miR-499a Variant but not miR-196a2 is Associated with Rheumatoid Arthritis Susceptibility in an Egyptian population.

- **Poster at** Histology & Cell Biology Department Annual Scientific Meeting “Genetics from Bench to Beside”, Mar 29. **2017**, FOM-SCU, Egypt (Doi: 10.13140/RG.2.2.17114.85441)

Title: Circulating novel markers (lncRNA MIAT and MALAT1) in coronary artery disease.

- **Poster at** Histology & Cell Biology Department Annual Scientific Meeting “Genetics from Bench to Beside”, Mar 29. **2017**, FOM-SCU, Egypt

Title: Reverse hybridization multiplex PCR to identify atherosclerotic and thrombotic genetic determinants in coronary artery disease patients.

- **Poster at** Young youth conference 2017, April 29-30, **2017** in Suez Canal University, Egypt.

Title: miRNA-34a and targets interplay in renal cell carcinoma pathway.

- **Poster at** Young youth conference 2017, April 29-30, **2017** in Suez Canal University, Egypt.

Title: Longevity-related genes transcriptomic signature in glioblastoma multiforme.

- **Poster at** Stockholm, Sweden (23rd Congress of the European Hematology Association), Jun 16. **2018**, (<https://journals.lww.com/hemasphere/toc/2018/06001>).

Title: Association of Vitamin D and Retinoid X Receptors expression and Vitamin D Binding Protein variants with Bone Density in Thalassemia Children.

- **Poster at** Recent Advances in Molecular and Cellular Medicine Conference FOMSCU – Egypt, 26-27 December **2018**.

Title: LncRNA H19, but not miRNA-326, is over-expressed and predicts survival in glioblastoma

- **Poster at** Recent Advances in Molecular and Cellular Medicine Conference FOMSCU – Egypt, 26-27 December **2018**.

Title: Prognostic value of reprogramming gene LINC-ROR in renal cell carcinoma.

MEMBERSHIP OF NATIONAL SOCIETIES:

- Saudi Society for Clinical Chemistry (membership # 20214090)
- Egyptian Society of Biochemistry and Molecular Biology.
- Egyptian Society of Natural Toxins.

MEMBERSHIP OF INTERNATIONAL EDITORIAL BOARD (Web of Science J.)

- Associate Editor in *Frontiers Genetics* (Bioinformatics and Computational Biology) since Nov 17, 2018- up to date.
- Academic Editor for *PLoS ONE* (peer-reviewed international journal, Web of Science), Feb

2019-up to date.

- Associate Editor for *BMC Research Notes* (Genomics and Bioinformatics section), Oct 2019-up to date.

REVIEWER FOR INTERNATIONAL JOURNALS

- **Thanks to Reviewers.** Feb 1, 2020. Volume: 29 issue: 2, page(s): 219-222.

<https://doi.org/10.1177/0961203320903884>.

- **Updated list of the reviewed articles is present on the Web of Science profile page:**

<https://www.webofscience.com/wos/author/record/1170306>.

OTHER ACTIVITIES AND EXPERIENCES (Northern Border University)

1- Biochemistry Department supervision (female section): 2013- up to now.

2-Teaching experiences for Undergraduate:

- Preparation and teaching of the Clinical Chemistry course for 3rd- and 4th-year Applied Medical Science students (Feb 2012 -2014).
- Preparation and teaching of the Urinary course for 3rd-year Applied Medical Science students (2012 -2014).
- Teaching basic Medical Biochemistry for 2nd year students (Biochemistry I = 5 credit hours/semester and Biochemistry II = 3 credit hours/semester), 3rd Year Medical Students, and 4th-year Laboratory Module (2012- **up to now**)
- Supervision of Medical Biochemistry and Nutrition courses for Nursing (2013-2015)
- BPL Introductory course for 1st Year PBC (3 credit hours, 2nd semester, 2015)
- Medical terminology and Study skills course (3 credit hours, 2nd semester, 2018-2019 academic year; 2nd semester) for three classes: Medical, Applied science, and Nursing students.

3- Preparation of the course specification of Biochemistry (for nursing and medical students for accreditation at the Faculty of Medicine and Faculty of Nursing, Northern Border University).

4- Supervision of many undergraduate and graduate projects for faculty-student research (Applied and Medical students).

5- Participation in all Faculty exam supervision, journal clubs, and PBL sessions (2012-2018).

6- Responsible for the control duties on the female campus (2019-2023 academic years).

7- Participate as an active member/supervisor of several official committees at the level of the Northern Border University (NBU) and/or College of Medicine:

١- عضو في لجنة وضع الضوابط والأحكام المتعلقة بأخلاقيات البحث العلمي تنفيذاً للمبادرة 2.1.1.3 من خطة الجامعة

الإستراتيجية (2020-2025)

1- Member of the Committee for the Development of Controls and Provisions on Scientific Research Ethics in the implementation of Initiative 2.1.1.3 of the University's strategic plan (2020-2025)

٢ - عضو في لجنة تنظيم الندوات تنفيذا للمبادرة 2.2.1.1 من خطة الجامعة الإستراتيجية (2020-2025).

2- Member of the Committee for organizing seminars to implement initiative 2.2.1.1 of the University's strategic plan (2020-2025).

٣- عضو في لجنة تنظيم المؤتمرات تنفيذا للمبادرة 2.2.1.2 من خطة الجامعة الإستراتيجية (2020-2025).

3- Member of the Conference Organizing Committee in the implementation of Initiative 2.2.1.2 of the University's strategic plan (2020-2025)

٤- عضو في لجنة البحوث والدراسات البيئية والتنمية المستدامة

4- Member of the Committee for "Research, Environmental Studies and Sustainable Development".

٥ - عضو في وحدة البحوث الطبية والصحية بجامعة الحدود الشمالية

5- Member of the Medical and Health Research Unit of the Northern Border University

٦ - عضو في لجنة اعداد الخطة الإستراتيجية بكلية الطب

6- Member of the Committee for the Preparation of the Strategic Plan at the Faculty of Medicine

٧ - رئيس فريق عمل التوجه الثاني (ابحاث علمية مبتكرة) للخطة الإستراتيجية لكلية الطب

7- Head of the Second Orientation Task Force (Innovative Scientific Research) for the Strategic Plan of the Faculty of Medicine

٨- رئيس فريق المعيار الرابع (أعضاء هيئة التدريس) من معايير الحصول على الاعتماد الأكاديمي للبرامجي لكلية الطب

8- Head of the Fourth Standard Team (faculty) from the criteria for obtaining academic and programmatic accreditation for the Faculty of Medicine

٩- عضو في لجنة الجودة والاعتماد الأكاديمي بالبرنامج بكلية الطب.

9- Member of the Quality and Academic Accreditation Committee of the Program at the Faculty of Medicine.

١٠- رئيس وحدة الدراسات العليا بكلية الطب (وحدة ناشئة 2021-2022).

10- Head of the Graduate Unit of the Faculty of Medicine (emerging unit 2021-2022).

١١ - عضو في لجنة انشاء جائزة جامعة الحدود الشمالية للتميز في البحث العلمي (مبادرة 1.4.4.1) من الخطة الإستراتيجية للجامعة (2020-2025).

11- Member of the Committee for establishing the Northern Frontier University Award for Excellence in Scientific Research (Initiative 1.4.4.1) of the University's Strategic Plan (2020-2025).

١٢ - عضو لجنة الاختبارات الإلكترونية على مستوى كلية الطب. (2021-2022)

- 12- Member of the Electronic Testing Committee at the medical school level (2021-2022)
١٣- عضو في لجنة استحداث برامج دراسات عليا مدفوعة الثمن تنفيذًا للمبادرة (4.2.2.1) من الخطة الإستراتيجية للجامعة 2020-2025
- 13- Member of the Committee for the Development of Paid Postgraduate Programs in implementation of the Initiative (4.2.2.1) of the University's Strategic Plan 2020-2025
١٤- عضو في لجنة برنامج بناء القدرات البحثية تنفيذًا للمبادرة (1-1) من مبادرات الخطة الإستراتيجية للجامعة للبحث والابتكار (2020-2024)
- 14- Member of the Research Capacity Building Program Committee in implementation of the Initiative (1-1) of the Strategic Plan for Research and Innovation Initiatives (2024-2020)
١٥- عضو في وحدة البحوث الطبية بكلية الطب.
- 15- Member of the Medical Research Unit of the Faculty of Medicine
١٦- عضو في اللجنة التنظيمية لليوم العلمي للأبحاث الطلابية للكليات الصحية.
- 16- Member of the Organizing Committee for the Scientific Day of Student Research for Health Colleges.
١٧- عضو في المجلس الاستشاري (كلية الطب).
- 17- Member of the Advisory Board (Faculty of Medicine).
١٨- رئيس لجنة المراجع النظير لمهارات التدريس بكلية الطب.
- 18- Chairman of the Committee of Peer Auditors for Teaching Skills at the Faculty of Medicine.
١٩- رئيس لجنة النزاهة الأكاديمية
- 19- Chairman of the Academic Integrity Committee
٢٠- عضو في لجنة جوائز التميز بكلية الطب
- 20- Member of the Excellence Awards Committee at the Faculty of Medicine
٢١- عضو في اللجنة الدائمة للتعليم الصحي بالجامعة
- 20- Member of the Standing Committee for Health Education at the University
٢٢- عضو في اللجنة الدائمة المحلية للأخلاقيات الحيوية والطبية بالجامعة (2023).
- 21- Member of the Local Standing Committee for Bioethics and Medical at the University
٢٣- عضو في اللجنة الداخلية لمراجعة مخرجات برنامج بكالوريوس الطب والجراحة ومقراته كجزء من المراجعة الدورية وتطوير البرنامج
- 22- Member of the internal committee to review the outputs of the Bachelor of Medicine and Surgery program and its courses as part of the periodic review and development of the program

8- Participate in several projects funded by the Deanship of Scientific Research (DSR), Northern Border University, Arar, Saudi Arabia:

I. Project No. (5/1436/11/1) as Principal Investigator titled “**Assessment of vitamin D binding protein and early prediction of nephropathy in type 2 Saudi diabetic patients**” Published in Clin Lab. 2018 Oct 1; 64(10):1623-1633. <https://doi.org/10.7754/Clin.Lab.2018.180401> PMID: 30336516.

II. Project No. (5/1436/3/1) as Co-Investigator titled “**Factor V Leiden G1691A and Prothrombin G20210A mutations are associated with repeated spontaneous miscarriage in Northern area of Saudi Arabia**”. Published in Genet.Mol.Res. 16(4): gmr16039810 <https://doi.org/10.4238/gmr16039810>

III. Project No. (5/1436/12/1) as Co-Investigator titled “**Association of serum YKL-40 with modifiable cardiovascular-related risk factors in Saudi hypertensive patients**”. Int J Clin Exp Med 2019;12(2):1600-1611. <http://www.ijcem.com/files/ijcem0077598.pdf>

IV. Project No. (MED-2017-1-7-F-7140) as Principal Investigator titled “**The Relation of serum uric acid level with insulin resistance in Saudi metabolic syndrome patients**”. International Journal of Biomedicine, 2020 10(4). [http://dx.doi.org/10.21103/Article10\(4\)_OAx](http://dx.doi.org/10.21103/Article10(4)_OAx)

V. Project No. (MED-2017-1-8-F-7381) as Principal Investigator titled “**MicroRNA machinery genes variants and risk of end-stage renal disease among Northern Saudi population**”. JCLA 2020. First published: Aug 7 2020. <https://doi.org/10.1002/JCLA.23520>. PMID: 32770606

VI. Project No. (MED-2017-1-8-F-7477) as Principal Investigator titled “**Analysis of HFE, TMPRSS6, and BTBD9 gene variants and iron parameters in Saudi blood donors**”. Bioscience Reports, 2020 Dec 24; BSR20202584. <https://doi.org/10.1042/BSR20202584>. PMID: 33367529.

VII. Project No. (MED-2017-1-8-F-7517) as Co-Investigator titled “**Analysis of BRAF gene and protein expression in colorectal cancer among Saudi patients: A pilot study**”. First published Dec 9 2020. J Clin Lab Anal. 2020;00:e23679. <https://doi.org/10.1002/jcla.23679>. PMID: 33296098

VIII. Project No. (MED-2018-3-9-F-7821) as Principal Investigator titled “**Analysis of AIRE gene variant rs2075876 (A/G) association with Nottingham and Immunohistochemical Prognostic Indices in breast cancer**”. Published in journal of Clinical Laboratory Analysis, 2020: e23365. <https://doi.org/10.1002/jcla.23365> PMID: 32426878.

IX. Project No. (MED-2018-3-9-F-7825) as Principal Investigator titled “**Analysis of miR-34a rs2666433 variant and expression in colorectal cancer among Saudi patients**”. Scientific Reports 2020 Oct 9;10(1): 16940. <https://doi.org/10.1038/s41598-020-73951-y>. PMID: 33037254.

X. Project No. (MED-2018-3-9-F-7795) as Co-Investigator titled “**GLUT1 and ASCT2 Protein Expression in Papillary Thyroid Carcinoma Patients and Relation to Hepatitis**”

C Virus: A Propensity-Score Matched Analysis". Int J Gen Med. 2022;15:2929-2944. Published 2022 Mar 14. <https://doi.org/10.2147/IJGM.S354108>. PMID: 35308569.

XI. Project No. (MED-2018-3-9-F-7906) as Co-Investigator titled" Impact of Cytotoxic T-lymphocyte Associated Protein 4 codon 17 variant and expression on vitiligo risk and severity. JCLA 2021 May 1. <https://doi.org/10.1002/JCLA.23777>. PMID: 33932254.

XII. Project No. (MED-2018-3-9-F-7798) as Co-Investigator titled" PVT1 oncogene and apoptosis-related proteins (p53, Bcl2, and PD1) expression in thyroid carcinoma <https://doi.org/10.1002/jcla.24390>. PMID: 35388548.

XIII. Project No. (MED-2019-1-10-F-2221) as Principal Investigator titled "Patients with Hepatitis C on direct-acting antiviral agents' response to the elimination program in Dammam city within 2018-2020" International Journal of Biomedicine, September 2022 (In press).

XIV. Project No. (MED-2019-1-10-F-2222) as Principal Investigator titled "COVID-19 and Saudi Arabia: Healthcare awareness, attitude, and practice". Journal of Multidisciplinary Healthcare" (In press).

XV. Project No. (MEDA-2022-11-1742) as Principal Investigator titled "Angio-long non-coding RNAs-related gene variants in ovarian cancer".

XVI. Project No. (MEDA-2022-11-1526) as Principal Investigator titled "MicroRNA-155 and Disease-Related Immunohistochemical Parameters in Cutaneous Melanoma".

OTHER ACTIVITIES AND EXPERIENCES (Suez Canal University)

1- Course Planning and Coordination:

- Preparation of the course specification of the Master's degree (2nd part) of medical biochemistry for accreditation at Faculty of Medicine, Suez Canal University, Egypt.
- Skills Lab coordinator (2005-2012) for 2nd-year undergraduate students at Faculty of Medicine, Suez Canal University, Egypt.

2- Member of MCQ Committee for phase II (since 2009/2010- 2014).

3- First-Year Control Member, (2011- 2014)

4- Teaching experiences:

- **For Under-graduate:**

- Teaching basic Medical Biochemistry for 1st, 2nd, and 3rd Year Medical Students
- Preparation and teaching of the basic Medical Biochemistry course for the undergraduate 1st year nursing students at the Faculty of Nursing, Suez Canal University, Egypt, for three years (2008/2009, 2010/2011, 2011/2012).

- **For Post-graduate:**

- Medical Biochemistry for post-graduate students of Biochemistry.
- Medical Biochemistry for post-graduate students of the Clinical branch.

5- Supervision of Thesis:

M. Sc. Thesis:

- Preliminary Study on Transcription Factor 7- like 2 (*TCF7L2*) gene polymorphism (rs7903146) in type 2 Diabetic Patients Resident in Ismailia City

- Haemostatic Indices of Bleeding Esophageal Varices in Chronic Liver Disease Patients Admitted to Suez Canal University Hospital
- Needs Assessment of the Undergraduate Medical Students to Incorporate Courses on Medical Education into the Undergraduate Curriculum at the Faculty of Medicine, Suez Canal University
- Evaluation of the System of Modified Essay Questions Utilized For Knowledge Assessment in the Undergraduate Curriculum at the Faculty of Medicine, Suez Canal University
- A Study of Serum IL-8 level in chronic hepatitis C infected patients in Suez Canal area.
- A Study of Serum IL-18 level in chronic hepatitis C infected patients in Suez Canal area

M.D. Thesis:

- Study of the Association between ADAM33 Gene Polymorphisms and Bronchial Asthma in Children and Adolescents
- Study of Methylation Status in Glutathione S-Transferase P1 (GSTP1) Gene Promoter in Breast Cancer Patients in a Group of Egyptian Patients

6- Clinical Experiences:

- Specialist in Clinical Chemistry and Molecular Biology for 22 years in Oncology Diagnostic Unit, Faculty of Medicine, Suez Canal University, Ismailia, Egypt.

APPROVED GRANTS

2005-2007: Introducing Computer-Assisted Training Sessions in the Clinical Skills Lab (Project Code: C-015-Q0) (HEEPF)

2016-present: MicroRNA Expression Signature in Glioblastoma Multiform Tissues and Cell Lines: First Steps towards a Cure: ID 22941 STDF (Special Targeted Calls – Health call 3) –Co-PI responsible for doing the practical work of the project, writing, critical revision, and final submission for international publication.

Publications:

Published Abstracts:

- Possible Role of Activation of Caspases 3 and 8 in Apoptosis of Peripheral Blood Mononuclear Cells in HCV Infected Patients. Proceeding of the Conjoint Meeting of the Egyptian Society of Hepatology (ESH) and International College of Surgeons (ICS): New Horizons for Better Health. March 4-5, 2004, Cairo-Egypt.
- Heterogeneity of Beta Globin Gene Mutations among Egyptian Beta-Thalassemia Patients in Suez Canal Region. Proceeding of the Congr s international d’h matologie, Paris-France, 31 march-2 April 2005 (Abstract No. 126).
- Beta Thalassemia Mutations among Egyptian Population in Suez Canal area. Proceeding of the 5th scientific conference of the Clinical Pathology Department. “Updates in Laboratory Diagnosis of Hematological Diseases”, Ismailia, Egypt, May 2007 (Abstract No. 1).
- Thrombin-Activatable Fibrinolysis Inhibitor Thr325Ile Polymorphism; Relationship with Plasma TAFI Levels and Risk of Myocardial Infarction in Egyptian Patients. Proceeding of the 21st international thrombosis congress, Milan –Italy. Pathophysiology of Haemostasis and Thrombosis, vol. 37, Suppl 1, 2009/2010.

- Possible Impact(S) Of Cellular Phone Electromagnetic Radiation on Human Sperm Parameters. Proceeding of the 4th international conference on natural toxins 20-22 Dec 2010 (Abstract 42).
- Isocitrate Dehydrogenase Enzyme as a Mitochondrial Marker on Idiopathic Asthenozoospermia among Cellular Phone Users. Proceeding of the 4th international conference on natural toxins 20-22 Dec 2010 (Abstract 43).
- Vitamin D Binding Protein gene polymorphisms and risk of type 1 Diabetes Mellitus among Egyptians. Proceeding of the IFCC-Worldlab EuroMedLab Berlin-Germany. Clin Chem Lab Med; 49, Special Suppl, pp S1 – S874, May 2011.
- Estrogen Receptor Alpha Gene Polymorphisms and the Risk of Breast Cancer in A Group of Egyptian Women. AACC Annual Meeting Abstracts (Cancer/Tumor Markers); A118, **2012**.
- Could MicroRNA-196a2 Variant Pave the Road Towards Personalized Therapy in Chronic Obstructive Pulmonary Disease? The Third Annual Conference of the Medical Biochemistry and Molecular Biology Department (Abstract book). Mar 12, **2016**.
- Functional and Structural Impact of ATP-Binding Cassette Transporter A1 R219K and I883M Gene Polymorphisms in Obese Children and Adolescents. International Conference on Nucleic Acids: Biology, Human Health and Diseases, August 4-5, **2016**, New Orleans, Louisiana, USA.
- A passenger strand variant in miR-196a2 contributes to asthma severity in children and adolescents. International Conference on Nucleic Acids: Biology, Human Health and Diseases, August 4-5, **2016**, New Orleans, Louisiana, USA.
- Association of vitamin D and retinoid-x receptors expression and vitamin D binding protein variants with bone density in thalassemia children. 23rd Congress of the European Hematology Association. Stockholm, Sweden, June 14-17, **2018**.

Publications:

- 1. Enhanced Apoptosis of Peripheral Blood Mononuclear Cells from Chronic HCV Patients is Associated with Reduced Caspase 3 Activity.** Suez Canal Univ Med J. **2006**; 9 (2): 171 – 180.
- 2. Rapid Detection of β -Thalassemia Alleles in Egypt Using Naturally or Amplified Created Restriction Sites and Direct Sequencing: A Step in Disease Control.** Hemoglobin. **2007**; 31(1):49-62. <https://doi.org/10.1080/03630260601057088> PMID: 17365005.
- 3. Low-Density Lipoprotein Receptor Gene Polymorphism and Chronic Viral Hepatitis C Infection in Egyptian Patients.** Journal of Medical Molecular Biotechnology (JMMB). **2008**; 6 (1): 11- 22.
- 4. Genotype and Allele Frequencies of Common TCF7L2 Polymorphisms in Type 2 Diabetic Egyptian Population.** Journal of Medical Molecular Biotechnology (JMMB). **2009**; 7(1):27-42.
- 5. Analysis of Common MEFV Mutations in Egyptian Patients with Familial**

- Mediterranean Fever: Molecular Characterization of the Disease.** British Journal of Biomedical Science (BJBS). 2010; 67(4):202-207.
<https://doi.org/10.1080/09674845.2010.11730320> PMID: 21294448.
6. **Genetic Variants in Methylenetetrahydrofolate Reductase and Reduced Folate Carrier Genes as Possible Markers for Predicting the Outcome of Methotrexate Therapy in Patients with Rheumatoid Arthritis.** Journal of Medical Molecular Biotechnology (JMMB) 2010; 8(1):173-192.
 7. **Vitamin D Binding Protein gene polymorphisms and risk of type 1 Diabetes Mellitus among Egyptians.** Egyptian Journal of Biochemistry and Molecular Biology. Dec 2011; 29 (2): 361-374. <http://dx.doi.org/10.4314/ejbmb.v29i2.72444>
 8. **Lack of association of Vitamin D Binding Protein Polymorphisms in Egyptian Children with Type 1 Diabetes.** Turkish Journal of Endocrinology and Metabolism. Dec 2011, Vol. 15(4):111. http://www.turkjem.org/uploads/pdf/15-4-0_111-115.pdf
 9. **Plasma Thrombin-Activatable Fibrinolysis Inhibitor levels and Thr325Ile polymorphism as a risk marker of myocardial infarction in Egyptian patients.** Acta Cardiol 2011; 66(4):483-488. <https://doi.org/10.2143/AC.66.4.2126597> PMID: 21894805.
 10. **Possible impact(s) of cell phone electromagnetic radiation on human sperm parameters.** Human Andrology 2012; 2(2): 49-55.
<https://doi.org/10.1097/01.XHA.0000415089.15301.51>
 11. **Estrogen receptor α gene polymorphisms and the risk of breast cancer in Egyptian patients.** Journal of Medical Molecular Biotechnology 2012; 10(1):43-56.
 12. **A Study of Serum Interlukin-8 Level in Chronic Hepatitis C Infected Patients in Suez Canal Area.** Indian Journal of Applied Research 2013; 3 (7):56-59.
<https://doi.org/10.15373/2249555x/july2013/16>
 13. **A Study of Serum Interlukin-18 Level in Chronic Hepatitis C Infected Patients in Suez Canal Area.** Indian Journal of Applied Research 2013; 3 (9):28-30.
<https://doi.org/10.15373/2249555x/sept2013/8>
 14. **Needs Assessment of the Undergraduate Medical Students to Incorporate Courses on Medical Education into the Undergraduate Curriculum at the Faculty of Medicine, Suez Canal University.** Intel Prop Rights. 2013 Dec 25; 2(1): 109 .
<https://doi.org/10.4172/ipr.1000109>
 15. **Protective effect of boswellic acids versus pioglitazone in a rat model of diet-induced non-alcoholic fatty liver disease: influence on insulin resistance and energy expenditure.** Naunyn-Schmiedeberg's Arch Pharmacol 2015 Jun; 388(6):587-600.
<https://doi.org/10.1007/s00210-015-1102-9> PMID: 25708949.
 16. **Functional and Structural Impact of ATP-Binding Cassette Transporter A1 R219K and I883M Gene Polymorphisms in Obese Children and Adolescents.** Mol Diagn Ther 2015 Aug; 19(4):221-34. <https://doi.org/10.1007/s40291-015-0150-7> PMID: 26243156.
 17. **Data Supporting the Structural and Functional Characterization of Thrombin-**

- Activatable Fibrinolysis Inhibitor in Breast Cancer.** Data in Brief **2015** Nov 14; 5:9819. <https://doi.org/10.1016/j.deb.2015.10.043> PMID:26740968.
- 18. Using a Simple, Non-Expensive In Vitro Model for Studying Chronic Myeloid Leukemia in Research Laboratories.** Clon Transgen **2015**; 4: 145. <https://doi.org/10.4172/2168-9849.1000145>
 - 19. Thrombin-activatable fibrinolysis inhibitor Thr325Ile polymorphism and plasma level in breast cancer: A pilot study.** Meta Gene. **2015** Jun; 4: 73–84. Published online 2015 Apr 11. <https://doi.org/10.1016/j.mgene.2015.03.004> PMID: 25893174.
 - 20. Association of MicroRNA-196a2 Variant with Response to Short-Acting β 2-Agonist in COPD: An Egyptian Pilot Study.** PLoS One. **2016** Apr 4; 11(4):e0152834. <https://doi.org/10.1371/journal.pone.0152834> PMID:27043015.
 - 21. Precursor miR-499a Variant but not miR-196a2 is Associated with Rheumatoid Arthritis Susceptibility in an Egyptian Population.** Mol Diagn Ther. **2016** Jun; 20(3):279-95. <https://doi.org/10.1007/s4029101601943> PMID: 27002721.
 - 22. A passenger strand variant in miR196a2 contributes to asthma severity in children and adolescents: A preliminary study.** Biochem Cell Biol. **2016** Aug;94(4):34757. <https://doi.org/10.1139/bcb2016001> PMID: 27487239.
 - 23. Combined Genotype Analyses of Precursor miRNA196a2 and 499a Variants with Hepatic and Renal Cancer Susceptibility a Preliminary Study.** Asian Pac J Cancer Prev. **2016**;17(7):3369-75. <https://doi.org/10.14456/apjcp.2016.102/APJCP.2016.17.7.3369> PMID: 27509977.
 - 24. Stemness-related transcriptional factors and homing gene expression profiles in hepatic differentiation and cancer.** Molecular Medicine **2016** Sep 12, 22:653 - 663. <https://doi.org/10.2119/molmed.2016.00096> PMID: 27623812.
 - 25. Potential anti-angiogenic effect of a combination of Boswellic acids and Cisplatin against chemically-induced colon cancer in mice.** Journal of Chemical Biology & Therapeutics, **2016** Sep 23; 1(2):111. <https://doi.org/10.4172/2s572-0406.1000111>
 - 26. MicroRNA196a2 Biomarker and Targetome Network Analysis in Solid Tumors.** Mol Diagn Ther. **2016** Dec;20(6):559-577. <https://doi.org/10.1007/s4029101602232> PMID: 27342110.
 - 27. Mobile phones electromagnetic radiation and NAD⁺-dependent isocitrate dehydrogenase as a mitochondrial marker in asthenozoospermia.** Biochimie Open December **2016**; 3:19-25. <https://doi.org/10.1016/j.biopen.2016.07.003> PMID: 29450127.
 - 28. Long noncoding RNA Metastasis-Associated Lung Adenocarcinoma Transcript 1 (MALAT1): A Molecular Predictor of Poor Survival in Glioblastoma Multiforme in Egyptian Patients.** The Egyptian Journal of Medical Human Genetics July **2017**, 18(3): 231-239. <https://doi.org/10.1016/j.ejmhg.2016.08.003>
 - 29. Atherosclerotic and thrombotic genetic and environmental determinants in Egyptian coronary artery disease patients: A pilot study.** BMC Cardiovascular Disorders. **2017** Jan 13;17(1):26. <https://doi.org/10.1186/s12872-016-0456-3> PMID:

28086795.

30. Association of MIR-499a expression and seed region variant (rs3746444) with cardiovascular disease in Egyptian patients. *Acta Cardiologica* 2017, 8:1-10. <https://doi.org/10.1080/00015385.2017.1351243> PMID: 28786773
31. Cardiotoxic effect of levofloxacin and ciprofloxacin in rats with/without acute myocardial infarction: impact on cardiac rhythm and cardiac expression of Kv4.3, Kv1.2 and Nav1.5 channels. *Biomed Pharmacother* 2017, 92:196-206. <https://doi.org/10.1016/j.biopha.2017.05.049> PMID: 28544933
32. MicroRNA-34a: a key regulator in the hallmarks of renal cell carcinoma. *Oxidative Medicine and Cellular Longevity* 2017, 2017: 3269379. <https://doi.org/10.1155/2017/3269379> PMID: 29104726.
33. Structure and functional impact of seed region variant in MIR-499 gene family in bronchial asthma. *Respir Res* 2017,18(1):169. <https://doi.org/10.1186/s12931-017-0648-0> PMID: 28886711.
34. Pattern of Illicit Drug Use among Adults Attending Family Medicine Center of Fanarah Village In Ismailia City, Egypt. *Egypt J. Forensic Sci. Appl. Toxicol* 2017;17: 1-20. <https://doi.org/10.21608/ejfsat.2017.45678>
35. Serum S100B: A possible biomarker for severity of obstructive sleep apnea. *Egyptian Journal of Chest Diseases and Tuberculosis* October 2017; 66(4):639-643. <https://doi.org/10.1016/j.ejcdt.2017.07.003>
36. MicroRNA-Targets Cross-Talks: Key Players in Glioblastoma Multiforme. *Tumor Biology* 2017;39:1010428317726842. <https://doi.org/10.1177/1010428317726842> PMID: 29110584.
37. Evaluation of miRNA-196a2 and apoptosis-related target genes: *ANXA1*, *DFFA* and *PDCD4* expression in gastrointestinal cancer patients: A pilot study. *PLoS One* 2017 Nov 1;12(11): e0187310. <https://doi.org/10.1371/journal.pone.0187310> PMID: 29091952
38. Factor V Leiden G1691A and Prothrombin G20210A mutations are associated with repeated spontaneous miscarriage in Northern area of Saudi Arabia. *Genet Mol Res.* 2017; 16(4): gmr16039810. <https://doi.org/10.4238/gmr16039810>
39. Relationship between a Pro-thrombotic State and Anthropometric Parameters in Young Saudi Females: A Preliminary Study. *Pak. J. Nutr.* 2018; 17:146-151. <https://doi.org/10.3923/pjn.2018.146.151>
40. OncomiR-27a rs895819 variant and breast cancer risk: an updated meta-analysis. *Meta Gene* 2018; 16:170–181. <https://doi.org/10.1016/j.mgene.2018.03.002>
41. Assessment of vitamin D binding protein and early prediction of nephropathy in type 2 Saudi diabetic patients. *Journal of Diabetes Research* 2018; 2018:8517929. <https://doi.org/10.1155/2018/8517929> PMID: 29850609
42. Longevity-related genes transcriptomic signature in glioblastoma multiforme. *Oxidative Medicine and Cellular Longevity* 2018; ID 8753063. <https://doi.org/10.1155/2018/8753063> PMID: 29849920

43. **Oncogenic long noncoding RNA MALAT1 and HCV-related hepatocellular carcinoma.** *Biomed Pharmacother.* 2018 Mar 28; 102:653-669. <https://doi.org/10.1016/j.biopha.2018.03.105> PMID: 29604585
44. **Thymoquinone and Diallyl Sulfide Protect against Fipronil-Induced Oxidative Injury in Rats.** *Environ Sci Pollut Res Int.* 2018 Aug;25(24):23909-23916. <https://doi.org/10.1007/s11356-018-2386-3> PMID: 29881965.
45. **Genetic polymorphisms of IL-17A rs2275913, rs3748067 and IL-17F rs763780 in gastric cancer risk: Evidence from 8124 cases and 9873 controls.** *Mol Biol Rep.* 2018 Oct;45(5):1421-1444. <https://doi.org/10.1007/s11033-018-4202-z>. PMID: 29860554.
46. **Association of circulating vitamin D, VDBP and vitamin D receptor expression with severity of diabetic nephropathy in a group of Saudi type 2 diabetes mellitus patients.** *Clin. Lab.* 2018 Oct 1;64(10):1623-1633. <https://doi.org/10.7754/Clin.Lab.2018.180401> PMID: 30336516.
47. **Long non-coding RNA MALAT1 and microRNA-499a profiles in diabetic ESRD patients undergoing dialysis: A preliminary cross-sectional analysis.** *Archives of Physiology and Biochemistry.* 2018 Sep 29:1-11. <https://doi.org/10.1080/13813455.2018.1499119> PMID: 30270667.
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