

CURRICULUM VITAE

PERSONAL PROFILE:

- **Name:** Sally Mohammed Ibrahim El-Hefnawy
- **Current Position:** Assistant professor at Medical Biochemistry and Molecular Biology Department- Faculty of Medicine- Menoufia University- Egypt.
- **Date of Birth:** January 29, 1983.
- **Marital Status:** Single.
- **Nationality:** Egyptian.
- **Religion:** Muslim.
- **Language:** English (Verbal & Written fluently)/Arabic (Native).
- **E-mail:** doctor_sally@rocketmail.com
- **Phone Number:** 01009896870
- **Current Address:** Shebein El-kom - Menoufia –Egypt.



ACADEMIC QUALIFICATIONS:

- **2005:** Bachelor Degree (M. B. B.Ch.); General Medicine and Surgery (**Excellent with honors**) Faculty of Medicine- Menoufia University.
- **2010:** Master Degree (M. Sc.); Clinical Biochemistry (**Excellent**) - Faculty of Medicine- Menoufia University- Egypt. **Thesis Titled;** **Elevated plasma Retinol Binding Protein (4) in human subjects with Type 2 diabetes mellitus**
- **2014:** Doctorate Degree (M.D.); Clinical Biochemistry- Faculty of Medicine- Menoufia University- Egypt. **Thesis titled;** **Evaluation of urinary Cytokeratin (20) mRNA as a diagnostic tool for bladder cancer.**
- **2019:** Assistant professor at Medical Biochemistry & Molecular Biology Department, Faculty of Medicine- Menoufia University- Egypt.

PROFESSIONS & WORK EXPERIENCES:

- **2006- 2007:** General Practitioner, Depts. Of Surgery, Medicine, Pediatrics, OB/GYN, and Anesthesia, Menoufia University Hospitals.
- **March till June 2007:** General Practitioner, Ministry of Health Hospitals- Menoufia Governorate- Egypt.

- **2008- 2010: Demonstrator of Clinical Biochemistry;** Medical Biochemistry Department - Faculty of Medicine – Menoufia University- Egypt.
- **2010 – 2014: Assistant Lecturer of Clinical Biochemistry;** Medical Biochemistry Department- Faculty of Medicine – Menoufia University- Egypt.
- **2014 till 2019: Lecturer of Clinical Biochemistry;** Medical Biochemistry Department- Faculty of Medicine – Menoufia University- Egypt.
- **2019 till now: Assistant professor of Clinical Biochemistry;** Medical Biochemistry Department- Faculty of Medicine – Menoufia University- Egypt.

ACADEMIC & EDUCATIONAL EXPERIENCES:

1. **Curriculum Planning:** Participation in planning and specification of undergraduate and postgraduate Clinical Biochemistry courses at Faculty of Medicine -Menoufia University- Egypt
2. **Teaching Interests:** Theoretical and practical teaching of Medical Biochemistry, and Molecular biology for:
 - Under graduate and postgraduate medical students at Faculty of Medicine – Menoufia University- Egypt
 - Under graduate medical students (special integrated medicine program) , Faculty of Medicine -Menoufia University- Egypt
 - Under graduate students of Faculty of Applied Health Science, Menoufia University- Egypt.
 - Postgraduate medical students (Master, diploma degrees) Faculty of Medicine- Menoufia University- Egypt.
3. **Seminars:** Participation and attending the different seminars in the field of Clinical Biochemistry and Molecular Biology at Faculty of Medicine – Menoufia University- Egypt.
4. **Exams:**
 - Sharing in the written and oral exams designing for assessment of the student understanding for both under graduate (main stream students) & postgraduate medical students at Faculty of Medicine, Menoufia University, Egypt
 - Sharing in the written exams designing for assessment of the student understanding for under graduate medical students (special integrated medicine program) , Faculty of Medicine -Menoufia University- Egypt

- Sharing in the written and oral exams designing for assessment of the student understanding for under graduate students of Faculty of Applied Health Science, Menoufia University- Egypt.
- Sharing in oral exams for assessment of under graduate students of Faculty of Pharmacy, Menoufia University- Egypt.
- Sharing in oral exams for assessment of under graduate students of Faculty of Pharmacy, Kafr Elsheikh University- Egypt.
- Sharing in oral exams for assessment of under graduate students of Faculty of Pharmacy, Elsadat University- Egypt.
- Supervising and evaluating the graduation project for 4th year students of Faculty of Applied Health Science, Menoufia University- Egypt.

5. Supervision of (40) thesis in Field of Biochemistry and molecular biology:

• MD thesis in Clinical Biochemistry

- 1- Myosin heavy chain (9) gene polymorphisms (rs3753462 & rs4821480) in diabetic nephropathy

•MD thesis in Medical Microbiology

- 2- Comparison of Fungal Fluorescent Staining and ITS rDNA PCR-based Sequencing with Conventional Methods for Diagnosis of Onychomycosis

•MD thesis in Pediatric Medicine:

- 3- Prognostic role of fibroblast growth factor 23 in pediatric heart failure
- 4- Endothelial Nitric Oxide Synthase Gene Polymorphism (786T/C) in Childhood Cancer Survivors

•Master thesis in Clinical Biochemistry

- 5 -DiGeorge syndrome chromosome region 5 (DGCR5) and highly up-regulated in liver cancer (HULC) expressions in hepatocellular carcinoma

•Master thesis in Pediatric Medicine:

- 6 -Effects of zinc supplementation on serum zinc and leptin levels, in children with chronic renal failure on regular hemodialysis
- 7 -Evaluation of the role of adrenomedullin as a new marker in febrile neutropenia
- 8-Bone mineral density in children with nephrotic syndrome
- 9- Iron overload in pediatric cancer survivors
- 10- Evaluation of urinary Vitamin D binding protein in type I diabetic children
- 11- Assessment of plasma level of vitamin A in childhood asthma
- 12- Assessment of blood level of vitamin C in children with bronchial asthma
- 13- Study of vitamin D2 and serum TSH in Egyptian school age obese children

14- Study of miR-15a in neonatal sepsis

15- The role of serum myelin basic protein in prediction of neurological morbidity in pediatric intensive care unit

16-The role of S100 B protein and neuron specific enolase as predictors of neurological affection in pediatric intensive care unit.

17- Study of the effect of Supplementation of Vitamin D And Magnesium to Epileptic Children

18- Osteoprotegerin as a biomarker in dilated cardiomyopathy in pediatrics

• **Master thesis in dermatology**

19- Role of high mobility box 1 protein in psoriasis

20- Endothelin-1 gene polymorphism in vitiligo

21-Helicobacter pylori infection in patients with vitiligo

22- Angiotensin converting enzyme (ACE) gene polymorphism in Vitiligo

23- FOXO3a Gene Polymorphism and Oxidative Stress in Vitiligo

24- Biopyrrins in psoriasis

25- Serum Granulysin as a Possible Key Marker of Activity of Alopecia Areata

26- Chitinase-3-Like Protein 1: A New Bio-marker in Psoriasis

27- Possible Role of Osteopontin in Alopecia Areata

28- Role of Calgranulin C Protein in Psoriasis

29- Study of Genetic Polymorphism of Granzyme B in non-segmental Vitiligo

30- Study of Serum Brain-Derived Neurotrophic Factor And Serum Vitamine D Levels And Their Correlation With Depression Severity In Patients With Alopecia Areata

31-Serum brain derived neurotrophic factor level in vitiligo patients and its correlation with serum vitamin D

• **Master thesis in tropical medicine**

32- Assessment of immune response to Hepatitis B virus vaccine in chronic hemodialysis patients.

33- Assessment of serum Serotonin levels in gastro-esophageal reflux disease

34- Study of diagnostic value of cerebrospinal fluid/blood glucose ratio in bacterial meningitis.

35- Study of serum microRNA-21 and alpha-fetoprotein in hepatocellular carcinoma patients secondary to viral hepatitis

- **Master thesis in chest diseases**

36- Diagnostic value of cancer antigen 125 in pulmonary tuberculosis

- **Master thesis in Rheumatology**

37- Serum Semaphorin 5A in lupus nephritis

38- Serum level of dickkof-1 patient with ankylosing spondylitis and its relation to vertebral fractures and bone mineral density

- **Master thesis in Medical Microbiology**

39- FimH Adhesin among Enterobacter spp. Isolates and its Relation to Biofilm Formation and Antimicrobial Resistance Pattern.

- **Master thesis in Clinical Pathology**

40- Evaluate the indications of apoptosis bcl 2 in patients with children with primary immune platelet insufficiency

SCIENTIFIC PUBLICATIONS:

1. Plasma retinol binding protein (4) in patients with type 2 diabetes mellitus, Naglaa Mohammed Ghanayem¹, Elsayed Saber Abou Elnour¹, Ashraf Abd El- Raouf Dawood¹, Mostafa El Najjar², **Sally Mohammed Ibrahim El-Hefnawy¹** Arab. J. Lab. Med. (2012) Vol. 38, No. 2.
2. Urinary cytokeratin 20 mRNA as a diagnostic tool for bladder cancer, Tarek F Abd El-Akim¹, Maathir K El-Shafie¹, Manal A Safan¹, Ashraf A Dawood¹, **Sally M El-Hefnawy¹**, Abd El-Aleem M El-Deraee² and Asmaa G Abdou³ (2013): Egyptian Society for Biochemistry and Molecular Biology.
3. Urinary Biopyrrins: A New Marker of Oxidative Stress in Psoriasis (2016): Ola Ahmed Bakry¹, **Sally El Hefnawy²**, Alaa Hassan Mariee¹, Yara El Gendy¹ Indian Journal of Dermatology; 61(2) : 169.
4. The Association Between Interleukin-10 Gene Promoter Polymorphism and Insulin Resistance in Type 2 Diabetes Mellitus (2016): Sally Said Donia¹, *, Eman Masoud Abd El Gayed², **Sally Mohamed El-Hefnawy²**, Ahmed Ragheb³, American Journal of Clinical and Experimental Medicine; 4(3): 81-87
5. Association of stem cell factor gene expression with severity and atopic state in patients with bronchial asthma (2017) : Safaa I. Tayel ^{1*}, **Sally M. El-Hefnway¹**, Eman M. Abd El Gayed ¹ and Gehan A. Abdelaal ², Respiratory Research 18:21
6. Human Epidermal Growth Factor Receptor-3 mRNA Expression as a Prognostic Marker for Invasive Duct Carcinoma not Otherwise Specified (2017): Ghada Ezat

Hammoda¹, **Sally Mohammed El-Hefnawy**¹, Asmaa gaber abdou³, Rania abdallah abdallah³, Journal of Clinical and Diagnostic Research., Vol-11(2): 1-5.

7. Transcription factor 21 gene polymorphism in patients with coronary artery disease (2017): Waleed Abdou Hamed¹, Ghada E Hammouda² **Sally M El-Hefnawy**² Eman M Abd El-Gayed², Research Reports in Clinical Cardiology -8: 13-18
8. Bone mineral density in children with idiopathic nephrotic syndrome (2017): Ghada Mohamed El-Mashad¹, Mahmoud Ahmed El-Hawy¹, **Sally Mohamed El-Hefnawy**², Sanaa Mansour Mohamed¹, J Pediatr (RIO J),: 93 (2) 142-147.
9. *HFE* gene mutation and iron overload in Egyptian pediatric acute lymphoblastic leukemia survivors: a single-center study (2017):Farida H. El-Rashedi¹, Mahmoud A. El-Hawy¹, **Sally M. El-Hefnawy**² & Mona M. Mohammed¹, HEMATOLOGY, Hematology 22 (7), 398-404
10. Assessment of Obesity and Hepatic Late Adverse Effects in the Egyptian Survivors of Pediatric Acute Lymphoblastic Leukemia: a Single Center Study (2017), Farida H. El-Rashedy¹, Mahmoud A. El-Hawy¹, **Sally M. El Hefnawy**² and Mona M. Mohammed¹, Mediterranean Journal of Hematology and Infectious Diseases,; 9; e2017026
11. Value of Soluble Transferrin Receptors and sTfR/log Ferritin in the Diagnosis of Iron Deficiency Accompanied by Acute Infection (2017): Fady M. El-Gendy¹, Mahmoud A. El-Hawy¹, Mohamed S. Rizk², **Sally M. El-Hefnawy**² & Mohamed Z. Mahmoud¹, Indian Journal of Hematology and Blood Transfusion, 34: 104–109.
12. Genetic Polymorphism of Angiotensin Converting Enzyme and Its Plasma Level as a Risk Factor in Patients with Chronic Kidney Disease (2017):Eman M Abd El Gayed¹, **Sally M. El- Hefnawy**¹, Khaled Ma Elzorkany², Arab. J. Lab. Med. Vol. 42(3): 645 – 656
13. Fat Mass and Obesity-Associated Gene Polymorphism rs9939609 in Childhood Obesity (2017): **Sally M. El-Hefnawy**¹, Nevein M. Al-sheikh¹, Nahla M. Said². Arab. J. Lab. Med. Vol. 42, No. 3: 523 – 534.
14. Mean platelet volume and serum uric acid in neonatal sepsis (2017) :Ghada M. El-Mashad¹, Hanan M. El-Sayed¹, Mohamed S. Rizk², **Sally M. El-Hefnawy**², Tamer W. El-Zayat¹ Menoufia Med J 30:581–587
15. Effect of zinc supplementation on serum zinc and leptin levels in children on regular hemodialysis (2018): Ghada M. El-Mashad¹, El-Sayed I. El-Gebally¹, **Sally M. El- Hefnawy**², Asmaa M. El-Sayed Saad¹ Menoufia Med J 31:664–670

16. Evaluation of urinary vitamin D-binding protein in type 1 diabetic children (2018) Maha Atef Tawfik¹, Soheir Sayed Abou - El Ellaa¹, **Sally Mohammed El - Hefnawy**², Mai Abou - El - Nasser El - Borai¹, Menoufia Med J, in press
17. Leptin receptor gene (A/G) polymorphism rs1137101 and renal cell carcinoma (2018), Azza M. Abdu Allah¹, **Sally M. El- Hefnawy**¹, Alshimaa M. Alhanafy², Ahmed M. Zahran³ & Heba E. Kasem³, Mol. Cell Biochem. 448, (1–2): 137–144. DOI 10.1007/s11010-018-3320-1
18. Plasma von Willebrand Factor and a Disintegrin and Metalloproteinase with Eight Thrombospondin - type 1 Motif Levels in Hemodialysis Patients: Relation to Vascular Access Thrombosis, (2018) Khaled M. A. Elzorkany¹, Belal A. M. Montaser², **Sally M. El-Hefnawy**³, Indian Journal of Nephrology-IJN:28(4), 278-282
19. Evaluation of the role of adrenomedullin in febrile neutropenia (2018). Fady M. El-Gendy¹, Mahmoud A. El-Hawy¹, **Sally M. El-Hefnawy**², Dina M. Adel Ahmed Shalaby¹ Menoufia Med J 31:671–676
20. Pyruvate Kinase Isoform M2 as a Diagnostic Tool for Renal Cell Carcinoma (2018): Ibrahim El Tantawy El Sayed*¹, **Sally Mohammed El-Hefnawy**², Alshimaa Mahmoud Alhanafy³ and Khadiga Mohamed Sallam² European Journal of Pharmaceutical and Medical Research. www.ejpmr.com
21. Cholesterol 7-Alpha Hydroxylase Gene (CYP7A1) Promoter Polymorphism rs3808607 as a Risk Factor for Pulmonary Tuberculosis in Egypt (2018). Nevein M. Al-Sheikh¹, **Sally M. El-Hefnawy**¹, Ahlam A. El-Shetahy². Meta Gene 16: 66–71.
22. Metadherin mRNA Expression in Hepatocellular Carcinoma (2018). Nevein M. Al-Sheikh¹, **Sally M. El-Hefnawy**¹, Ahmed M. Abuamer², Ashraf G. Dala³. The Egyptian Journal of Medical Human Genetic, 19: 391-397.
23. Plasma Circular RNA (0054633) Expression as a Biomarker for Pre-diabetes and Type 2 Diabetes Mellitus (2018). **Sally M. El-Hefnawy**¹, Nevein M. Al-Sheikh¹, Heba E. Kasem², Fatma A. El-Esrigy³. Bull. Egypt. Soc. Physiol. Sci. 38(1):77-88.
24. FimH Adhesin among Enterobacter spp. Isolates and its Relation to Biofilm Formation and Antimicrobial Resistance Pattern (2018), Mabrouk M Ghonaim¹, Amira H Elkhyat¹, **Sally M El-Hefnawy**², Elham A Hossam Eldeen¹, Egyptian Journal of Medical Microbiology, Volume 27 / No.4 /: 45-53.
25. Digeorge Syndrome Critical Region (5) as a tumor suppressor gene in hepatocellular carcinoma (2018): Asmaa mahmoud shukry el-banna¹, Ghada ezzat

hamoda¹, **Sally Mohammed El-Hefnawy**² and Alshimaa mahmoud alhanafy³,
Arab. j. lab. med. 43 (3) : 685 – 695

26. Polymorphisms of Interleukin-1 β and Cytotoxic T lymphocyte Associated Antigen-4 Genes in Systemic Lupus Erythematosus (2019): Hassan Elbanna M. Younes¹, Mabrouk M. Ghonaim¹, Amira H. Elkhyat¹, Alaa A. Labeeb², **Sally M. El-Hefnawy**³ and Amal M. Dawoud¹, *Egyptian Journal of Medical Microbiology*, Volume 28 : 1-8
27. Role of calgranulin C protein in psoriasis (2019): Mohamed A. Bashaa, Wafaa A. Shehataa, **Sally M. El-Hefnawy** and Shimaa A. Ibrahim, *Menoufia Med J*, 32:250 – 254
28. The Genetic Variants of IKZF1 Gene Linked with the Growing Risk of Childhood Acute Lymphoblastic Leukaemia (2019): Safaa I. Tayel , **Sally M. El-Hefnawy**, Wafaa M. Abo-Elfotoh and Rania S. El-zayat, *Current Molecular Medicine*, 19, 1-8
29. Endothelin - 1 gene polymorphism in Egyptian patients with Vitiligo (2019): Mohammed A. Shoeib, Ola A. Bakry, **Sally M. El-Hefnawy**, Douaa S. Alsaadany, *Menoufia Medical Journal*, 32:1019–1024
30. Evaluation of urinary vitamin D-binding protein in type 1 diabetic children (2019): Maha A. Tawfik, Soheir S. Abou-El Ella, **Sally M. El-Hefnawy**, Mai A. El-Borai, *Menoufia Medical Journal* , 32:1064 – 1070
31. The role of osteopontin in dermatological diseases (2019): Alaa H. Marea, Wafaa A. Shehata, **Sally M. El-Hefnawy**, Amany M. Mohsen, *Menoufia Medical Journal*, 32:751–755.
32. Assessment of blood level of vitamin C in children with bronchial asthma (2020): Fahima M. Hassan, Ahmed A. Khataba, Rania S. El-Zayat, **Sally M. El-Hefnawy**, Heba G. A. El-Hameed, *Menoufia Medical Journal*, 33:179–185
33. Simultaneous Assessment of MicroRNA 126 and 192 in Diabetic Nephropathy Patients and Their Relation with Urinary Albumin. Safaa I. Tayel, Amany A. Saleh, **Sally M. El-Hefnawy**, Khaled M. Elzorkany, Ghada E. Elgarawany and Rasha I. Noreldin (2020): *Curr Mol Med*. doi: 10.2174/1566524019666191019103918
34. Dysregulation of cell-free long non-coding RNAs (NEAT2, CTC-471J1.2 and lnc-DC) in Egyptian systemic lupus and lupus nephritis patients, Amany A. Saleh Heba E. Kasem Enas Zahran— **Sally M. El-Hefnawy**. (2020) *Meta Gene*
<https://doi.org/10.1016/j.mgene.2020.100665>

35. Prevalence of and mothers' knowledge, attitude and practice towards glucose-6-phosphate dehydrogenase deficiency among neonates with jaundice: a cross-sectional study. Zeinab A Kasemy,¹ Wael A Bahbah,² **Sally M El Hefnawy**,³ Safa H Alkalash⁴. *BMJ Open* 2020;10:e034079. doi:10.1136/bmjopen-2019-034079
36. Chitinase 3-like 1 gene (T/C) polymorphism and serum YKL-40 levels in patients with hepatocellular carcinoma, (2020): Amany A. Saleh,, Alshimaa M. Alhanafy, Osama Elbahr, **Sally M. El-Hefnawy**, *Meta Gene*. 24 : 100686
37. Cell-free long non-coding RNAs (LY86-AS1 & HCG27_201 and GAS5) as biomarkers for pre-diabetes and type 2 DM in Egypt. (2020): Amany A. Saleh, Heba E. Kasem, Enas S. Zahran, **Sally M. El-Hefnawy***. *Biochemistry and Biophysics Reports*. 23:100770
38. Determination of oxidative stress in vitiligo by measuring superoxide dismutase levels in vitiliginous skin (2020): Ola Bakry, **Sally Elhefnawy**, Eman Seliet, Mai A. Omar. *Menoufia Medical Journal* 2020, 33:262–266
39. Interferon regulatory factor (5) Gene Variants (rs2004640) as Genetic Risk Factor for Systemic Lupus Erythematosus but not Lupus Nephritis in Egyptian adults (2021): **Sally M. El-Hefnawy**¹ Rasha G. Mostafa², Heba E. Kasem³, Enas S. Zahran³ and Sherein S. ELnaidany¹ *Bulletine of Egyptian Society for physiological science*. In press.
40. Association of TIRAP (rs8177374) and MyD88 (rs6853) genetic polymorphisms with susceptibility to pulmonary tuberculosis and treatment response (2020): **Sally M. El-Hefnawy,***, Rasha G. Mostafa, Zeinab A. Kasemy, Hanaa A. Eid, Eman I. Elgizawy, Thoria A. Omar, Sherin S. EL Naidany. *Gene Reports* 21: 100825.
41. Impact of missense mutation (rs1990760) at interferon-induced helicase (1) gene on non-segmental vitiligo (2020): **Sally Mohammed El-Hefnawy*** , Alaa Hassan Marae, Nermin Tayel, Walaa El-Shenawy, Sherin Sobhy El-Naidany, Wafaa Ahmed Shehata. *Gene Reports* 21 : 100888.
42. *ESR1* gene polymorphism (rs827421) as a potential genetic marker for constitutional delay of growth and puberty in Egyptian adolescents (2021): **Sally M. El-Hefnawy,***, Shimaa K. Zewain, Zeinab A. Kasemy, Wafaa A. Shehata, Shaimaa A. Hassanein, Mohamed Z. Nooh, Sherin S. EL Naidany. *Steroids* 166: 108778.
43. Biochemical and molecular study on serum miRNA-16a and miRNA- 451 as neonatal sepsis biomarkers (2021): **Sally M. El-Hefnawy***, Rasha G. Mostafa, Rania S. El zayat, Esraa M. Elfeshawy, Hamed M. Abd El-bari, Manal Abd El-Monem Ellaithy. *Biochemistry and Biophysics Reports* 25:100915.

44. Uncoupling protein 2 and dynamin-related protein 1 mRNA expressions as genetic markers for plaque psoriasis (2021): Wafaa A. Shehata¹, Mostafa A. Hammam¹, Rasha S. Enany², **Sally M. El-Hefnawy**³, and Shimaa Abdelsattar⁴, International Journal of Dermatology. doi: [10.1111/ijd.15788](https://doi.org/10.1111/ijd.15788)
45. Simultaneous genotyping of rs3752462 and rs4821480 at non-muscle myosin-9 in diabetic nephropathy (2021): **Sally M. El-Hefnawy**^{a,*}, Hatem M. El sebay a, Mahmoud M. Emara b, Sara A. El derbaly a, Rania M.A. El shazly. Gene Reports 23 101199. <https://doi.org/10.1016/j.genrep.2021.101199>
46. Circulating long noncoding RNA growth arrest-specific transcript 5 as a diagnostic marker and indicator of degree of severity in plaque psoriasis (2021): Wafaa Ahmed Shehata¹, Alaa Marae¹, Manal Abd El Monem Ellaithy², Nermin Tayel³, Asmaa Abo-Ghazala⁴, and **Sally Mohammed El-Hefnawy**², International Journal of Dermatology. doi: [10.1111/ijd.15494](https://doi.org/10.1111/ijd.15494)
47. Cord blood microRNA-376c and microRNA-1268a as biomarkers for neonatal hypoxic-ischaemic encephalopathy: a diagnostic accuracy study (2021): Dina Abdel Razek Midan¹, Wael A Bahbah¹, Doaa Ahmed Fayed², Ibrahim Tantawy², Hamed Mohamed Abdel Barry², Manal Abd El-Monem Ellaithy³, Sally Mohammed Elhefnawy³. *BMJ Paediatrics Open* ;5:e001258. doi:10.1136/bmjpo-2021-001258
- 48- Mi-RNA-93 and Mi-RNA-152 in the Diagnosis of Type 2 Diabetes and Diabetic Retinopathy (2022): A. A. Saleh¹, **S.M. El-Hefnawy**^{1*}, Z. A. Kasemy², A. A. Alhagaa³, M. Z. Nooh⁴ and E. S. Arafat¹, British Journal of Biomedical Science. doi: 10.3389/bjbs.2021.10192
- 49- COVID-19 susceptibility, severity, clinical outcome and Toll-like receptor (7) mRNA expression driven by *TLR7* gene polymorphism (rs3853839) in middle-aged individuals without previous comorbidities, (2022): **Sally M. El-Hefnawy**^{a,*}, Hanaa A. Eid^b, Rasha G. Mostafa^c, Shaimaa S. Soliman^d, Thoria A. Omar^e, Rania M. Azmy^a. Gene Reports 27 :101612. <https://doi.org/10.1016/j.genrep.2022.101612>.
- 50- Potential impact of serpin peptidase inhibitor clade (A) member 4 SERPINA4 (rs2093266) and SERPINA5 (rs1955656) genetic variants on COVID-19 induced acute kidney injury (2022): **Sally M. El-Hefnawy**^{a,*}, Zeinab A. Kasemy^b, Hanaa A. Eid^c, Ibrahim Elmadbouh^a, Rasha G. Mostafa^d, Thoria A. Omar^e, Heba E. Kasem^f, Eman M. Ghonaim^g, Mohamed M. Ghonaim^h, Amany A. Saleh^{a,i}. *Meta Gene* 32 : 101023.

51- Comparison of Fungal Fluorescent Staining and ITS rDNA PCR-based Sequencing with Conventional Methods for Diagnosis of Onychomycosis (2022): Amal F. Makled, Mabrouk M. Ghonaim¹ • , Sahar A.M. Ali¹, **Sally Mohammed El-Hefnawy**², Mona Salah Sabal^{1*} and Asmaa Mohammed Elbrolosy, J Pure Appl Microbiol | 16(2):1337-1349

52- Dickkopf -1 in ankylosing spondylitis patients and its relation to vertebral fractures and bone mineral density (2022): Alaa A. Labeeb, Saga F. El Gazzar, **Sally M. El-Hefnawy**, Laila M. Zedan, Menoufia Medical Journal, 35:172 - 176.

53- Role of Toll-like receptor 4 gene expression in psoriasis and its relation to disease activity (2022): Wafaa A. Shehata, Mostafa A. Hammam, Dalia S. Seif, Sherine S. Elsayed, Eman M. Abd El Maqsood, **Sally M. El-Hefnawy**. Menoufia Medical Journal, 35:418 - 423

54- Farida H. El-Rashidy, Mohamed S. Abdullah, **Sally M. El-Hefnawy**, Basim A. El-Gazzar, Ahmed M. El-Hawwary & Mahmoud A. El-Hawy (2022) Endothelial nitric oxide synthase gene polymorphism (786T/C) in childhood acute lymphoblastic leukemia survivors, Expert Review of Hematology, DOI: 10.1080/17474086.2022.2112172

CONFERENCES, SYMPOSIUMS & TRAINING COURSES:

- **2008**: Grantee a certificate from Al- Moasaa Islamic Charitable Association for attendance of 9th scientific annual conference entitled (Obesity, Problems and Solutions)
- **2009**: Grantee a certificate from Egyptian society of Biochemistry for participation in the annual scientific conference on (Recent advances in Biochemistry and molecular biology)
- **2010**: Grantee a certificate for participation in 17th scientific annual conference of Menoufia Faculty of Medicine (Environmental health problems)
- **2010**: Grantee a certificate for participation in the scientific symposium of diabetes , endocrinology & obesity unit in collaboration with the Egyptian German society of gastroenterology and hepatology.

- **2010:** Grantee a certificate for attendance of training course, organized by International Faculty and Leadership Development Center (IFL-DC), entitled (Occupational Behavior)
- **2010:** Grantee a certificate for attendance of training course organized by (IFL-DC) entitled (Organizing scientific conferences)
- **2010:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Scientific Research Ethics)
- **2010:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Local and global competitive research projects)
- **2010:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Credit hours)
- **2010:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Effective presentation skills)
- **2010:** Grantee a certificate for attendance of Menoufia nephron club (MNC) second scientific symposium titled (Monitoring of CKD progression).
- **2010:** Grantee a certificate for attendance of 34th scientific conference of the Egyptian Society of Histology and Cytology
- **2010:** Grantee a certificate of appreciation from (Continuous Improvement and Qualifying for Accreditation Project)
- **2011:**Grantee a certificate for participation in 18th scientific annual conference of Menoufia Faculty of Medicine (University hospitals between reality and hoped)
- **2012:** Grantee a certificate for participation in 19th scientific annual conference of Menoufia Faculty of Medicine (Quality of Medical Education).
- **2012:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Management of the research team)
- **2012:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Use of technology in teaching)
- **2012:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Student assessment and evaluation systems)
- **2012:** Grantee a certificate for attendance of training course organized by (IFL-DC),entitled (Quality standards in the teaching process)

- **2012:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Scientific Publishing)
- **2012:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Communication skills in different types of education)
- **2012:** Grantee a certificate for participation in Biochemistry and Molecular Biology, conference by the Egyptian Society of Biochemistry and Molecular Biology (Recent Advances in Biochemistry and Molecular Biology).
- **2013:** Grantee a certificate for participation in 20th scientific annual conference of Menoufia – Faculty of Medicine (Quality of health services in University Hospitals)
- **2013:** Grantee a certificate of appreciation from (Quality Assurance Unite, Menoufia Faculty of Medicine).
- **2013:** Grantee a certificate of TOEFL ITP from the American Canadian Center.
- **2013:** Grantee a certificate of computer program from the Public Service Center (PSC), Menoufia University.
- **2014:** Grantee a certificate for participation in 21st annual conference of faculty of medicine Menoufia University (Nosocomial infection).
- **2014:** Grantee a certificate for participation in Molecular clinical Biochemistry update, meeting BIOCHEM Cairo 2014
- **2015:** Grantee a certificate for participation in 22nd annual conference of faculty of medicine Menoufia university (what is beyond accreditation)
- **2015:** Grantee a certificate for participation in workshop organized by Arabic association of medical education & training (AAMET) entitled (problem solving)
- **2015:** Grantee a certificate for participation in workshop organized by Arabic association of medical education & training (AAMET) entitled (assessment and evaluation)
- **2015:** Grantee a certificate for participation in workshop organized by Arabic association of medical education & training (AAMET) entitled (teaching skills)
- **2016:** Grantee a certificate for participation in biochemical basis for therapeutic management of diseases, meeting BIOCHEM Cairo 2016
- **2017:** Grantee a certificate for participation in 24th international conference of faculty of Medicine – Menoufia University (Fight against cancer).

- **2017:** Award attendance certificate for participation in the 1st scientific day in faculty of Medicine, Menoufia University entitled (Obesity as Medical and surgical problem).
- **2017:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Financial aspects of university workers)
- **2017:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Manage people)
- **2017:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Lifelong learning)
- **2017:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Use of global databases)
- **2017:** Grantee a certificate for participation in 6th conference of Clinical Pathology Department with the Egyptian society of Laboratory Medicine about (Laboratory Medicine: Era of target therapy)
- **2017:** Grantee a certificate for participation in 25th annual congress of fever hospital and infectious diseases entitled (Updates in Hepatic and Infectious diseases)
- **2018:** Grantee a certificate for participation in work shop organized by central laboratory at menoufia faculty of Medicine about (DNA sequencing).
- **2018:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (thinking skills)
- **2018:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Crisis and disaster management)
- **2018:** Grantee a certificate for participation as a coordinator in 25th annual conference of faculty of Medicine – Menoufia University (Care of critically ill patients).
- **2018:** Grantee a certificate for participation 1st scientific meeting of Medical Biochemistry and Molecular Biology (2018) about (PCR array and MicroRNA).
- **2018:** Grantee a certificate for participation in 26th annual congress of fever hospital and infectious diseases entitled (Updates in Hepatic and Infectious diseases)
- **2019:** Grantee a certificate for participation as a coordinator in 26th annual conference of faculty of Medicine – Menoufia University.

- **2022:** Grantee a certificate for participation as a coordinator in 27th annual conference of faculty of Medicine – Menoufia University.
- **2022:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Mind Mapping Skills)
- **2022:** Grantee a certificate for attendance of training course organized by (IFL-DC), entitled (Creative thinking)

PROFESSIONAL & SCIENTIFIC ACTIVITIES:

- 1. Coordinator:** Quality assurance coordinator, Faculty of Medicine –Menoufia University (2011-2015).
- 2. Coordinator:** Annual coordinator for scientific conference of faculty of Medicine Menoufia University (2014 till 2019)
- 3. Speaker:** in work shop of 22nd annual conference of faculty of medicine Menoufia University (2015), my talk entitled (Evaluation of urinary Cytokeratin (20) mRNA as a diagnostic tool for bladder cancer).
- 4. Trainer:** in work shop organized by central laboratory at menoufia faculty of Medicine (2015) about (Basics of Molecular Biology).
- 5. Trainer:** in work shop organized by central laboratory at menoufia faculty of Medicine (2016) about (Real Time PCR).
- 6. Speaker:** in the 1st scientific meeting of Medical Biochemistry and Molecular Biology (2018), my talk entitled (PCR array versus Micoarray).
- 7. Speaker:** in scientific annual conference of Faculty of Medicine Tanta University (2019) entitled (Best Medical Practice: Customizing The International Standards 3)
- 8. Trainer:** in work shop organized by central laboratory at menoufia faculty of Medicine (July 2019) about (Real Time PCR).
- 9. Trainer:** in work shop organized by central laboratory at menoufia faculty of Medicine (August 2019) about (Basic Molecular Technique).

SCIENTIFIC SOCIETIES MEMBERSHIPS:

- 1.** Member of Egyptian Society of Clinical Biochemistry and Molecular Biology (ESBMB).
- 2.** Member of Executive Team of the Quality Assurance Unit –Faculty of Medicine – Menoufia University (2009-2016).
- 3.** Head of Postgraduate Control (M.D. degree) at Faculty of Medicine –Menoufia University (October 2014 – January 2020).

4. Chief of Controls, (for undergraduate & postgraduate students)(January 2020 till August 2021).
5. Deputy Director of Central Laboratory at Faculty of Medicine –Menoufia University, and trainer of real time and conventional PCR workshops.
6. Member of Library Committee at Faculty of Medicine –Menoufia University (2014 till 2021).
7. General Director of postgraduates and undergraduates controls at Faculty of Medicine, Menoufia University (from January 2020 till August 2021)

PRIZES

- Menoufia University Prize for international publication (2017)
- Menoufia University Prize for international publication (2018)
- Menoufia University Prize for international publication (2019)
- Menoufia University Prize for international publication (2020)