DR. MUHAMMAD FAROOQ SABAR

PUBLICATIONS IN IMPACT FACTOR JOURNALS

2020:

1. Iqbal, Z., Absar, M., Mahmood, A., Aleem, A., Iqbal, M., Jameel, A., Akhtar, T., Karim, S., Rasool, M., Zeenat, M., Khalid, M., Akram, A., **Sabar, M. F.,** Khalid, A. M., Aljarrah, K., Iqbal, J., Khalid, M., Shah, I. H, Alanazi, N. (2020). Discovery and Protein Modeling Studies of Novel Compound Mutations Causing Resistance to Multiple Tyrosine Kinase Inhibitors in Chronic Myeloid Leukemia. Asian Pacific Journal of Cancer Prevention. 21(12): 3517-3526. (**International-Y Category**)
2. Aslam, R., Shahid, M., Bano, I., Ayoub, M., **Sabar, M. F.**, Altaf, S., Kousar, S., Ghani, M. U., Husnain, T. and Shahid, A. A., (2020). Major Histocompatibility Complex class II Polymorphic variants are associated with Asthma predisposition in the Punjabi population of Lahore, Pakistan. The Clinical Respiratory Journal. **(IF-1.514 X HM)**
3. Mateen, R. M., **Sabar, M. F**., Hussain, S., Parveen, R. and Hussain, M. (2020). Familial DNA analysis and criminal investigation: Usage, Downsides and Privacy concerns. *Forensic Science International*, p.110576. **(IF- 2.108-W Bronze)**
4. Ghafoor, M., **Sabar, M. F**. and Sabir, F. (2020). Prevention programs and prenatal diagnosis for beta thalassemia in Pakistan: a narrative review. *Journal of the Pakistan Medical Association*, pp.1-17. (**IF-0.573- X Clay**)
5. Iqbal, Z. Absar, M., Jamil, A., Akhtar, T., Basit, S., Afzal, S., Ramzan, K., Qureshi, K., **Sabar, M. F**., Arshad, M., Aleem, A., Anhar, U., Mirza, Z., Karim, S., Khalid, N. B., Rasool, M., Asif, M., Ullah, M., Khalid, A. M., Mahmood, A., Alanazi, N. (2020). Next-Generation Sequencing Identifies a Previously Uncharacterized Gene ANKRD36 As a Common Biomarker for Blast Crisis Chronic Myeloid Leukemia: Molecular and Protein Bio-Modeling Studies. *Blood* 136 (Supplement 1): 32–33. **(IF-17.543-W Pt)** https://ashpublications.org/blood/article/136/Supplement%201/32/472795/Next-Generation-Sequencing-Identifies-a-Previously
6. **Sabar, M. F**., Ghani, M. U., Ramzan, K., & Hussain, M. (2020). Whole exome sequencing identifies the asthma susceptible variants in the Punjab province of Pakistan. Chest, 157(6), A17. (**IF-8.308-W Pt**)
7. Naeem, F., **Sabar, M. F**., Ghani, M. U., Ain, Q., & Zafar, Q. U. A. (2020). Identification of diagnostic and therapeutic target genes to address asthma disease in Pakistan. Chest, 157(6), A213. (**IF-8.308-W Pt**)
8. Ghani, M. U., **Sabar, M. F**., Akram, M., & Anwar, B. (2020). SNP variants of il-27 gene as genomic predictors against effectiveness of vitamin-d therapy in COPD patients. Chest, 157(6), A290. (**IF-8.308-W Pt**)
9. Khan, M.U., **Sabar, M.F.,** Baig, A.A., Naqvi, A.N., Ghani, M.U. (2020). Forensic and genetic characterization of mtDNA lineages of Shin; a unique ethnic group in Pakistan. Pakistan Journal of Zoology. **(IF**-0**.547 in** 2019 when submitted- now **Y-category**) https://dx.doi.org/10.17582/journal.pjz/20191024091047

2019:

10. Iqbal, Z., Absar, M., Jameel,A., Akhtar, T., Basit, S., Mahmood, A., Aleem, A., Alanazi, N., Anhar, U., Khalid, N. B., Afzal, S., Hashmi, J. A., Akram, A. M., Ramzan, K., Rasool, M., Aziz, M. H., **Sabar, M. F**., Iqbal, M., Khalid, A. M. (2019). Investigations on Novel Gene Variants Associated with Longterm Response to

Tyrosine Kinase Inhibitors (TKIs) in Chronic Myeloid Leukemia: Implication in TKI-Cessation Clinical Trails. *Blood* 134 (Suppl. 1): 2939-2939. **(IF-17.543-W Pt)** https:// doi.org/10.1182/blood-2019-125518

11. Ghani, M.U., **Sabar, M.F**., Bano, I., Shahid, M., Akram, M., Khalid, I., Maryam, A. and Khan, M.U. (2019). Evaluation of ADAM33 gene's single nucleotide polymorphism variants against asthma and the unique pattern of inheritance in Northern and Central Punjab, Pakistan. Saudi medical journal, 40(8): 774-780. (**IF-1.195-X HM**) https://www.smj.org.sa/index.php/smj/article/view/smj.2019.8.24411
12. Ghani, M.U., **Sabar, M.F**., Bano, I., Shahid, M., Akram, M., Khalid, I., Maryam, A., Khan, M.U. (2019). Inheritance Pattern of rs2280089, rs2280090, rs2280091 SNP Variants in Punjabi Population and Association with Asthma Disease. Chest. 155(4): 168A. (**IF-8.308-W Pt**) https://doi.org/10.1016/j.chest.2019.02.162
13. Shahid, M., Tayyab, U., Kousar, S., Ghani, M.U., **Sabar, M.F.,** et al. rs153109 as Possible Indicator of Effectiveness of Vitamin D Supplements for Suppressing Copd Symptoms. Chest, (2019); 155(4): 219A. (**IF-8.308- W Pt**) https://doi.org/10.1016/j.chest.2019.02.211

2018:

14. Akram, A.M., Akhtar, T., Chaudhary, A., Shahzad, M.M., Khalid, A.M., Sajid, N., **Sabar, M.F.** and Iqbal, Z. (2018) BCR-ABL Kinase Domain Mutations Exist in Few Imatinib Treated Chronic Myeloid Leukemia (CML) Patients Exhibiting Stable Cytogenetic and Hematologic Responses. Blood, 132(Suppl. 1): 5427-5427. **(IF-17.543-W Pt)** https://doi.org/10.1182/blood-2018-99-111757
15. Akram, A. M., Kausar, H., Chaudhary, A., Khalid, A. M., Shahzad, M., Akhtar, M. W., **Sabar, M. F**., Sajid, N., Al Anazi, N., Aleem, A., Iqbal, Z. (2018) Detection of Exon 12 and 14 Mutations in Janus Kinase 2 Gene Including a Novel Mutant in V617F Negative Polycythemia Vera Patients from Pakistan. Journal of Cancer, 9(23):4341-4345. (**IF-3.565-W Bronze)** https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6277640/

2017:

16. Imran, A., Qamar, H. Y., *Ali, Q., Naeem, H., Riaz, M., Amin, S., Kanwal, N., Ali, F., ***Sabar, M. F.**, Nasir, I. A. (2017) Role of Molecular Biology in Cancer Treatment. Iranian Journal of Public Health. 46(11):1475-85 **(IF-1.291)**
17. Akram, A. M., Iqbal, Z., Akhtar, T., Khalid, A. M., **Sabar, M. F.**, Qazi, M. H., Aziz, Z., Sajid, N., Aleem, A., Rasool, M., Asif, M. (2017) Presence of novel compound BCR-ABL mutations in late chronic and advanced phase imatinib sensitive CML patients indicates their possible role in CML progression. Cancer Biology & Therapy. 18(4):214-21 **(IF-3.659-W Bronze)** http://tandfonline.com/doi/abs/10.1080/15384047.2017.1294289
18. **Sabar, M. F**., Shahid, M., Bano, I., Ghani, M. U., Akram, M., Iqbal, F., Kousar, S., Iqbal, Z., Altaf, S., & Husnain, T. (2017). rs12603332 is associated with male asthma patients specifically in urban areas of Lahore, Pakistan. Journal of Asthma, *54*(9), 887-892 **(IF-1.899-X HM)** http://www.tandfonline.com/doi/abs/10.1080/02770903.2016.1277539

2016:

19. Iqbal, Z., Akram, A. M., Akhtar, T., Aleem, A., **Sabar, M. F.**, Aziz, Z., Sajid, N., Rasool, M., Asif, M., Qazi, M. H., Oraibi, S., Gill, A. T., Al Jamaan, K., Iqbal, M., & Khalid, A. M. (2016). Brief Research Report: Novel Compound BCR-ABL Mutations in Late Chronic Phase Imatinib Sensitive CML Patients Are Associated with

Progression to Advance Disease Phase. Blood, 128(22), 3089 **(IF-17.543-W Pt)** http://www.bloodjournal.org/content/128/22/3089?sso-checked=true

20. **Sabar, M. F.,** Ghani, M. U., Shahid, M., Sumrin, A., Ali, A., Akram, M., Tariq, M. A., & Bano, I. (2016). Genetic variants of ADAM33 are associated with asthma susceptibility in the Punjabi population of Pakistan. *Journal of Asthma*, *53*(4), 341-348 **(IF-1.899-X HM)** http://www.tandfonline.com/doi/abs/10.3109/02770903.2015.1124441

2015:

21. Iqbal, Z., Akram, A. M., Akhtar, T., Khalid, M., Aziz, Z., Aleem, A., Gill, A. T., Khalid, A. M., Alanazi, A., Shah, I. H., **Sabar, M. F**. (2015) High Frequencies of Compound BCR-ABL Mutations and Their Association with Imatinib Resistant, Disease Progression and Late Chronic Phase Disease in Pakistani Chronic Myeloid Leukemia Patients Necessitate the Inclusion of Molecular Testing in Routine Clinical Settings. Blood 126(23):5167-5167 **(IF-17.543-W Pt)** http://www.bloodjournal.org/content/126/23/5167
22. Iqbal, Z., Akhtar, T., Awan, T., Aleem, A., Sabir, N., Absar, M., Shammas, M.A., Shah, I. H., Khalid, M., Taj, A. S., Jameel, A., Alanazi, A., Gill, A. T., Hashmi, J. A., Hussain, A., **Sabar, M. F.,** Khalid, A. M., Qazi, M. H., Karim, S., Siddiqi, M. H., Mahmood, A., Iqbal, M., Saeed, A., Irfan, M. I., Rasool, M. (2015) High frequency and poor prognosis of late childhood BCR-ABL positive and MLL-AF4 positive ALL define the need for advanced molecular diagnostics and improved therapeutic strategies in pediatric B-ALL in Pakistan. Molecular Diagnosis and Therapy 19(5): 277-287. **(IF-3.380-W Bronze)**
23. Shahid, M., **Sabar, M. F**.*, Bano, I., Rahman, Z., Iqbal, Z., Fatim Ali, S. S., Ghani, M. U., Iqbal, M. & Husnain, T. (2015). Sequence variants on 17q21 are associated with the susceptibility of asthma in the population of Lahore, Pakistan. Journal of Asthma 52(08):777-84. **(IF-1.899-X HM)** http://www.tandfonline.com/doi/full/10.3109/02770903.2015.1012590
24. Rehman K.U., Akhtar T., **Sabar M.F.**, Tariq M.A. (2015) Allele frequency distribution of CYP2C19* 2 allelic variants associated with clopidogrel resistance in cardiac patients. Experimental and therapeutic medicine. 10(1):309-15. **(IF-1.785-Y)** http://www.spandidos-publications.com/etm/10/1/309

2014:

25. Iqbal Z., Akhtar T., Akram A.M., Khalid M., Shah I.H., Aleem A., Khalid M., Iqbal J., Aziz. Z., Absar M., Hashmi J.A., Qazi M.H., Khalid A.M., **Sabar M.F**., Karim S., Rasool M., Mahmood A., Gill A.T., Saglio G., Iqbal M. (2014). Detection of Compound BCR-ABL Mutations in TKI Resistant CML Patients Including a Novel K245N Mutation Associated with Primary Nilotinib Resistance By Employing a Newly Developed Cost Effective BCR-ABL Sequencing Protocol. Blood 124(21): 1810. **(IF-17.543-W Pt)** http://www.bloodjournal.org/content/124/21/1810?sso-checked=true

2013:

26. **Sabar, M. F**., Kousar, S., Zafar, A. U., Shahid, M. (2013) PEG-Interferon Conjugates: Effects of Length and Structure of Linker. Pakistan Journal of Pharmaceutical Sciences 26(2): 425-430 **(IF-0.562-X Clay)**
27. **Sabar, M. F**., Awan, F.I., Shahid, M Ghani, M. U. and Yaqub, M. (2013). Synthesis and Bioactivity Study of 30KDa Linear PEG-Interferon and its Comparison with Tri-

Branched PEG-Interferon. Journal of the Chemical Society Pakistan 35(1): 119-24. **(IF-0.300-Y)**

2012:

28. Iqbal, Z., Noreen, S., Aamer, A., Tashfeen, A., Naeem, T., Sultan, A., Tahir, A. H, Absar, M., Chishti, M.A., Faiyaz -ul-Haque, M., Khalid, A. M., **Sabar, M.F.**, Rasool, M., Ali, A.S., Mahmood, A., Akram, M., Saeed, T., Arsalan, S., Mohsin, D., Shah, I.H., Khalid, M., Asif, M., Iqbal, M., Akhtar, T. (2012) Characterization of Common Fusion Oncogenes As Prognostic Molecular Identities in Adult Acute Lymphoblastic Leukemia Identifies the Need for Genetic Testing At Presentation, Molecular Prognostication and Differential Treatment. Blood 120: 5115. **(IF-17.543-W Pt)** http://www.bloodjournal.org/content/120/21/5115
29. Iqbal, Z., Noreen, S., Aamer, A., Tashfeen, A., Naeem, T., Sultan, A., Tahir, A. H, Absar, M., Chishti, M.A., Faiyaz -ul-Haque, M., Khalid, A. M., **Sabar, M.F.**, Rasool, M., Ali, A.S., Mahmood, A., Akram, M., Saeed, T., Arsalan, S., Mohsin, D., Shah, I.H., Khalid, M., Asif, M., Iqbal, M., Akhtar, T. (2012) Detection of Five Common Fusion Oncogenes in Pakistani Children with Acute Lymphoblastic Leukemia and Their Association with Clinical Pattern and Treatment Outcome. Blood 120: 5124. **(IF-17.543-W Pt)**
http://www.bloodjournal.org/content/120/21/5124.abstract?sso-checked=true

2011:

30. Akbar, H., Idrees, M., Butt, S., **Sabar, M.F**., Rehaman, I.U., Hussain, A., and Saleem, S. (2011) High base line interleukine-8 level is an independent risk factor for the achievement of sustained Virological response in chronic HCV patients. Infection, genetics and evolution. 11(6):1301-5 **(IF-2.773-W Gold)**
31. Iqbal, T., Idrees, M., Ali, L., Hussain, A., Ali, M., Butt, B., Yousaf, M.Z. and Sabar, M.F. (2011) Isolation and characterization of two new Hepatitis E Virus Genotype 1 strains from two Mini-outbreaks in Lahore, Pakistan. Virology Journal. 8(1):94 **(IF-2.589-W Bronze)**

2010:

32. **Sabar, M. F**., Yaqub, M., Khan, M. A., Ahmad, N., Ghani, M. U., Shahid, M. (2010) Synthesis of a new tri-branched PEG-IFNα2 and its impact on anti viral bioactivity. International Journal of Peptide Research and Therapeutics 16(4):239–245. **(IF-1.500-X)**

2009:

33. Tariq, M. A., **Sabir, M. F**., Riazuddin, S. A., Riazuddin, S. (2009) Haplotype analysis of two X-chromosome STR clusters in the Pakistani population. International Journal Of Legal Medicine 123(1):85-7. **(IF-2.222-W Bronze)**

2008:

34. Riazuddin, S., Nazli, S., Ahmed, Z. M., Yang, Y., Zulfiqar, F., Shaikh, R. S., Zafar, A. U., Khan, S. N., **Sabar, F.,** Javid, F. T., Wilcox, E. R., Tsilou, E., Boger, E. T., Sellers, J. R., Belyantseva, I. A., Riazuddin, S., Friedman, T. B. (2008) Mutation spectrum of MYO7A and evaluation of a novel nonsyndromic deafness DFNB2 allele with residual function. Human Mutation 29(4):502-11. **(IF-4.124-W Gold)**

2005:

35. Zhang, Q., Zulfiqar, F., Xiao, X., Riazuddin, S. A., Ayyagari, R., **Sabar, F**., Caruso, R., Sieving, P. A., Riazuddin, S., Hejtmancik, J. F. (2005) Severe Autosomal Recessive Retinitis Pigmentosa Maps to Chromosome 1p13.3-p21.2 between D1S2896 and D1S457 but Outside ABCA4. Human Genetics 118(3-4):356-65 **(IF-5.743-W Gold)**
36. Riazuddin, S.A., Yasmeen, A., Zhang, Q., Yao, W., **Sabar, M. F.,** Ahmad, Z., Riazuddin, S. and Hejtmanic, J. F. (2005). A New Locus for autosomal recessive nuclear cataract mapped to chromosome 19q13 in a Pakistani Family. Investigative Ophthalmology and Visual Science 46, 623-626. **(IF-3.470-W Pt)**
37. Zhang, Q., Zulfiqar, F., Xiao, X., Riazuddin, S. A., **Sabar, F.**, Caruso, R., Sieving, P. A., Riazuddin, S. and Hejtmancik, J. F. (2005) Locus (RP30) for Severe Recessive Retinitis Pigmentosa Maps to Chromosome 1p13. 3–p21. 2 Between D1S2896 and D1S457 but Outside ABCA4. Investigative Ophthalmology & Visual Science, 46(13):2291-2291. **(IF-3.470-W Pt) Abstract.**

2003:

38. Ahmed, Z. M., Riazuddin, S., Ahmad, J., Bernstein, S. L., Guo, Y., **Sabar, M. F.,** Sieving, P., Riazuddin, S., Griffith, A. J., Friedman, T. B., Belyantseva, I. A., Wilcox, E. R. (2003) PCDH15 is expressed in the neurosensory epithelium of the eye and ear and mutant alleles are responsible for both USH1F and DFNB23. Human Molecular Genetics 15; 12(24):3215-23. **(IF-5.100-W Gold**)

PUBLICATIONS IN HEC RECOGNIZED JOUNALS:

39. **Sabar, M. F.**, Akram, M., Awan, F. I., Ghani, M. U., Shahid, M., Iqbal, Z., Kousar, S. Idrees, M. (2018) Awareness of Asthma Genetics in Pakistan: A Review with Some Recommendations. Advancements in Life Sciences. 6(1): 1-10 **(Category-Y)** http://als-journal.com/submission/index.php/ALS/article/view/295
40. Ghani, M. U., **Sabar, M. F.,** Shahid, M., Awan, F. I., Akram, M. (2017) A report on Asthma Genetics Studies in Pakistan. Advancements in Life Sciences. 4(2): 33-38. **(Category-Y)**
41. **Sabar, M. F**., Ghani, M. U., Shahid, M., Sumrin, A., Ali, A., Akram, M., Awan, F. I., Tariq, M. A. (2015) Genetic association of ADAM33'S SNP variants with asthma in the population of Lahore region, Pakistan. Asian J Agri Biol., 03(Special Issue): p. 57 **(Category-Y)**
42. Awan, T, Iqbal, Z , Aleem, A., Sabir, S., Absar, M., Rasool, M., Tahir, A.H., Basit, S., Khalid, A.M., **Sabar, M.F**., Asad, S, Ali, A.S., Mahmood, A., Akram, M., Saeed, T., Saleem, A., Mohsin, D., Shah, I.H., Khalid, M., Asif, M., Haq, R., Iqbal, M., Akhtar, T. (2012). Five Most Common Prognostically Important Fusion Oncogenes are detected in majority of Pakistani Pediatric Acute Lymphoblastic Leukemia Patients and are strongly associated with disease biology and treatment outcome. Asian Pacific Journal Of Cancer Prevention 13(11):5469-5475. **(International-Category-Y)** https://www.koreascience.or.kr/article/JAKO201206735656289.page
43. Sabir, N., Iqbal, Z., Aleem, A., Awan, T., Naeem, T., Asad, S., Tahir, A.H., Absar, M., Hasanato, R.M.W., Basit, S., Chishti, M.A., Ul-Haque, M.F., Khalid, A.M., **Sabar, M.F.,** Rasool, M., Karim, S., Khan, M., Samreen, B., Akram, A.M., Siddiqi, M.H., Shahzadi, S., Shahbaz, S., Ali, A.S., Mahmood, A., Akram, M., Saeed, T., Saleem, A., Mohsin, D., Shah, I.H., Khalid, M., Asif, M., Iqbal, M., Akhtar, T. (2012) Prognostically Significant Fusion Oncogenes in Pakistani Patients with Adult Acute Lymphoblastic Leukemia and their Association with Disease Biology and Outcome.

Asian Pacific Journal Of Cancer Prevention 13(7):3349-55. **(International-Category-Y)** https://www.koreascience.or.kr/article/JAKO201205061572491.page

PUBLICATIONS JOURNAL NOT HEC RECOGNIZED YET:

2020:

44. Khan, K., Siddiqi, M. H., Ali, S., Ali, S., & **Sabar, M. F.** (2020). Mitochondrial DNA control region variants analysis in Balti population of Gilgit-Baltistan, Pakistan. Meta Gene 23: 100630. **(Master List- Web of Science)** https://www.sciencedirect.com/science/article/pii/S2214540019300891

2019:

45. **Sabar, M.F**., Khan, A.A. (2019). An Overview of Asthma COPD Overlapping Syndrome (Acos). Haya Saudi J Life Sci, 4(8): 271-277
46. **Sabar, M.F.,** Arshad, F. (2019). Genetic Mutations in CFTR Protein Gene Cause Cystic Fibrosis- Its Symptoms, Treatment, and Incidence in Pakistan. Haya Saudi J Life Sci, 4(8): 278-282.

2016:

47. Nagi, A.H., Khadim, M.T., Naveed, A.K., **Sabar, M.F.** (2016). Absence of KRAS mutations in codons 12, 13 in colorectal adenocarcinoma from northern Pakistan. Biomedica 32(3): 155-159. **(PMDC Approved Journal**) http://www.thebiomedicapk.com/articles/502.pdf

ACCEPTED PUBLICATIONS:

2020:

48. Ghani, M.U., **Sabar, M.F**., Akram, M. (2020). Smart Approach for Cost-Effective Genotyping of Single Nucleotide Polymorphisms. Kuwait Journal of Science. Accepted (**IF-0.519-W Bronze**)