



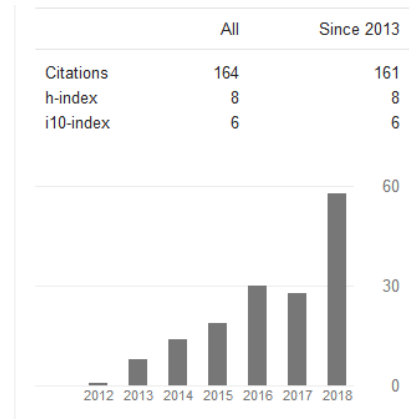
Curriculum Vitae

Name: Saeid Ghorbian

Birth Date: July 1983

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ghorbian20@gmail.com



❖ **Assistant Professor of Molecular Genetic-Ahar Branch, Islamic Azad University**

Qualifications:

- Ph.D., Molecular Genetics, Science and Research Branch, Islamic Azad University, Tehran, Iran, 2014.
- M.Sc., Genetics, Science and Research Branch, Islamic Azad University, Tehran, Iran, 2010.
- B.Sc., Medical Laboratory Science, Shahid Sadoghe Medical Science University, Yazd, Iran, 2005.
- Diploma., Medical Laboratory Science, Medical Science University, Kashan, Iran, 2003.

Teaching

- 2011 Molecular and Cellular Biology- Hamedan Branch, Islamic Azad University-B.S- Iran.
- 2011 Human Genetic- Hamedan Branch, Islamic Azad University-B.S- Iran.
- 2012 Principle of Genetic- Bonab Branch, Islamic Azad University-B.S- Iran.
- 2012 Molecular Genetic- Bonab Branch, Islamic Azad University-B.S- Iran.
- 2012 Laboratory of Genetic- Bonab Branch, Islamic Azad University-B.S- Iran.
- 2013 Molecular Genetic- Bonab Branch, Islamic Azad University-B.S- Iran.
- 2013 Laboratory of Genetic- Bonab Branch, Islamic Azad University-B.S- Iran.
- 2013 Principle of Genetic- Ahar Branch, Islamic Azad University-B.S- Iran.
- 2013 Laboratory of Genetic- Ahar Branch, Islamic Azad University-B.S- Iran.
- 2014 Molecular Genetic- Ahar Branch, Islamic Azad University-B.S- Iran.
- 2014 Laboratory of Genetic- Ahar Branch, Islamic Azad University-B.S- Iran.
- 2014 Genetic Engineering – Ahar Branch, Islamic Azad University-MSc- Iran.
- 2014 Cancer Genetic- Ahar Branch, Islamic Azad University-MSc-Iran.
- 2014 Molecular Genetic- Ahar Branch, Islamic Azad University-MSc-Iran.
- 2014 Cytogenetic- Ahar Branch, Islamic Azad University-B.S-Iran.
- 2014 Laboratory of Genetic- Ahar Branch, Islamic Azad University-B.S- Iran.

- 2015 Genetic Engineering – Ahar Branch, Islamic Azad University-MSc-B.S-Iran.
- 2015 Cancer Genetic- Ahar Branch, Islamic Azad University-MSc-Iran.
- 2015 Molecular Genetic- Ahar Branch, Islamic Azad University-MSc-Iran.
- 2015 Cytogenetic- Ahar Branch, Islamic Azad University-B.S-Iran.
- 2015 Human Genetic- Ahar Branch, Islamic Azad University-B.S- Iran.
- 2015 Human Genetic- Ahar Branch, Islamic Azad University- MSc- Iran.
- 2015 Genetic Findings- Ahar Branch, Islamic Azad University- MSc- Iran.
- 2016 Genetic Engineering Advances (1) – Ahar Branch, Islamic Azad University-Ph.D -Iran.
- 2016 Molecular Genetic Advances (1)– Ahar Branch, Islamic Azad University-Ph.D -Iran.
- 2016 Genetic Engineering Advances (2) – Ahar Branch, Islamic Azad University-Ph.D -Iran.
- 2016 Molecular Genetic Advances (2)– Ahar Branch, Islamic Azad University-Ph.D -Iran.
- 2016 Molecular Cell Cycle– Ahar Branch, Islamic Azad University-Ph.D -Iran.

Continued.....

Presentations

1. Bahreine F., **Ghorbian S.**, Jamshidian F., Milanifar A., Khorram khorshid H.R., Ethical considerations, legal and psychiatric genetics and public health., *1th Congress on Genetic, Law, Ethics and Psychology*, 10-11 November 2010–Tehran, Iran.
2. **Ghorbian S.**, Application of cfDNA as a biomarker for diagnosis, prediction and assessment effects therapeutic in the cancer patient's. *2th Congress on Medical Genetic*. 20-21June **2011**–Tehran, Iran.
3. **Ghorbian S.**, Saliminejad K., Sadeghi MR., Javadi GR., Amir janate N., Bahreine F., Edalatkhah H., Khorram khorshid HR. Not association between Y chromosome microdeletions and recurrent pregnancy loss. *2th Congress on Medical Genetic*. 20-21June **2011**–Tehran, Iran.
4. **Ghorbian S.**, Cell free DNA in breast milk: new hope for screening of breast cancer. *3th Congress on Medical Genetic*. 15-16 May **2013**–Tehran, Iran.
5. **Ghorbian S**, Sakhinia E. BIOMED-2 Protocols: The Best Diagnostic Tool for Suspicious Lymphoma Malignancies. *European Human Genetics Conference (ESHG)* May **2014**, Milan Italy.
6. **Ghorbian S**, Jahanzad I, javadi G.R, Sakhinia E. Evaluation of BIOMED-2 Molecular Gene Rearrangements Protocols for Clinicopathological

Diagnosis of Hodgkin Lymphoma. *European Human Genetics Conference (ESHG)* June 6-9, **2015**, Glasgow, Scotland, United Kingdom.

7. **Ghorbian S**, Poursadegh Zonouzi A. Prognosis of Fetal Infertility Using Cell Free Fetal DNA in Maternal Plasma. *21st World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI)*, May 7-10, **2015** in Guilin, China.
8. **Ghorbian S**, Jahanzad I, javadi G.R, Sakhinia E. Evaluation of *IGK* and *IGL* Molecular Gene Rearrangements According to the BIOMED-2 Protocol for Clinical Diagnosis of Hodgkin Lymphoma. *ASHG 2015 Annual Meeting* in Baltimore, Maryland, October 6-10, **2015**.
9. **Ghorbian S**, Sakhinia E. Molecular Diagnosis of Diffuse Large B cell Lymphoma Using BIOMED-2 Protocols. *European Human Genetics Conference (ESHG)* May 21-24, **2016**, Barcelona, Spain.
10. Farzin Z, Montaseri A, **Ghorbian S**. Evaluation of Effect PRP in Gene Expression of The Sox-9, Aggrecan, Comp and Type Ii Collagen in Chondrocyte Cells Differentiated from of Wharton Jelly Stem Cells. *Twin Congress 12th Congress on Stem Cell Biology and Technology* 31 August - 2 September **2016**.
11. Jalilinasab, J. AbdolaliZadeh, **Ghorbian S**. Effect of Lactobacillus lactis on AKT signaling pathway in HT29 cancer cell line. *41ST FEBS CONGRESS Molecular and Systems Biology for a Better Life* September 03-08, **2016** Ephesus, Kuşadası, Turkey.

12. majidzadeh shokati . AbdolaliZadeh J, Ghorbian S. Evaluate the effect Lactobacillus lactis on PTEN signaling pathway in HT29 cancer cell line. *41ST FEBS CONGRESS Molecular and Systems Biology for a Better Life* September 03-08, **2016** Ephesus, Kuşadası, Turkey.

Publications:

1. **Ghorbian S.** Routine diagnostic testing of Y chromosome deletions in male infertile and subfertile. *Gene* **2012**:160-164.
2. **Ghorbian S.** Applications of cell-free fetal DNA in maternal serum. *Int J Infertility Fetal Med* **2012**:49-55.
3. **Ghorbian S** and Ardekani AM. Non-invasive detection of esophageal cancer using genetic changes in circulating cell-free DNA. *Avicenna J Med Biotech* **2012**:3-13.
4. **Ghorbian S.** Micro-RNAs, next-generation molecular markers in male infertility field. *Transl Androl Urol* **2012**:245-246.
5. **Ghorbian S.**, Saliminejad K., Sadeghi MR., Javadi GR., Amirjanate N., Bahreine F., Edalatkhah H., Khorram khorshid HR. The association between Y chromosome microdeletions and recurrent pregnancy loss. *Iran Red Crescent Med J* **2012**:358-362.

6. **Ghorbian S** and Poursadegh Zonouzi., A. Micro-RNAs in IVF Outcome. *In J Hum Gene* **2013**:273.
7. Poursadegh A Z, Chaparzadeh N, **Ghorbian S**, Sadaghiani M M, Farzadi L, Ghasemzadeh A, Kafshdooz A, Sakhinia M, Sakhinia E. The Association between Thrombophilic Gene Mutations and Recurrent Pregnancy Loss. *J Assis Reprod Genet* **2013**: 1353-9.
8. Zonouzi AP, Zonoz NA, **Ghorbian S**. Molecular Dynamic Simulation: A Powerful Method for Prediction of Apoptotic Pore Formation. *Cell biochemistry and biophysics*. **2013**:1-2.
9. Poursadegh Zonouzi AA, Poursadegh Zonouzi A, **Ghorbian S**. Cell-free fetal DNA: new perspective and clinical implication in diagnosis of polycystic kidney diseases. *Renal Failure* **2014**: 661-661.
10. Poursadegh Zonouzi A, Poursadegh Zonouzi A, **Ghorbian S**. PiRNAs interacting proteins, candidate molecular marker for evaluation of idiopathic male infertility. *Andrologia* **2014**: 823-823.
11. **Ghorbian S**, Abkar M, Poursadegh Zonouzi A. Methodology to Understand How Perforin Assembles on Membranes. *Scandinavian Journal of Immunology*. **2014**: 73-74.
12. **Ghorbian S**, Jahanzad I, Javadi GR, Sakhinia E. Evaluation Diagnostic Usefulness of Immunoglobulin Light Chains (*Igκ*, *Igλ*) and Incomplete *IGH* D-J Clonal Gene Rearrangements in Patients with B Cell Non-Hodgkin

Lymphomas Using BIOMED-2 Protocol. *Clin & Trans Oncol* **2014**: 1006-1011.

13. Poursadegh Zonouzi A, **Ghorbian S**, Abkar M, Poursadegh Zonouzi AA, Azadi A. Mitochondrial complex I gene variations; as a potential genetic risk factor in pathogenesis of multiple sclerosis. *Journal of the neurological sciences* **2014**: 220-223.

14. HR Ahadi, Sakhinia E, Kolahi S, Asghari Estiar A, **Ghorbian S**, Mahmoudzadeh-Banae N. Association study of single-nucleotide polymorphism rs10865331 and the risk of ankylosing spondylitis in an iranian azari population. *Intl J Curr Li Scie* . **2014**: 107-111

15. Alijani A, **Ghorbian S**, Tohidi M , Sakhinia E. Evaluation of Frequency *IGH /BCL-2* Gene Rearrangements in Non-Hodgkin lymphoma Patients Using BIOMED-2 Primers. *Adva Env Bio*. **2014**, 97-102.

16. Moharrami G, **Ghorbian S**, Seifi M, Estiar M.A, Fakhrjoo A, Sakhinia M, Sakhinia E. Detection of Immunoglobulin *IGH* Gene Rearrangements on Formalin-Fixed, Paraffin Embedded Tissue in Lymphoid Malignancies. *Cell Mol Biol (Noisy-le-grand)*, **2014**. 60-4, 43-47.

17. Poursadegh Zonouzi AA, Arzani Zonozi N, Poursadegh Zonouzi A, **Ghorbian S**, Gholizadeh D. Correlation Between Serum Adiponectin Levels and Obesity in Women. *Adva Env Bio*. **2014**, 460-464.

18. **Ghorbian S**, Moharrami G, Jahanzad I, Asghari E M, Asvadi- Kermani I, Eivazi Ziae J, Javadi G.R, Sakhinia E. Immunoglobulin Heavy Chain Gene Rearrangements Assays for Improvement of Clinical Diagnosis of Hodgkin Lymphoma. *Adva Env Bio*. **2014**, 41-44.
19. Gholizadeh D, Rahmati Y.M, Poursadegh Zonouzi A, Maleksabet A, Pourhassan M.M, **Ghorbian S**, Zarghami N. Variations of Serum Leptin and Resistin levels in Healthy Non-Diabetic Women with Different Degrees of Obesity. *GM Review* **2015**, 72-77.
20. **Ghorbian S**, Jahanzad I, Asghari E M, Asvadi- Kermani I, Eivazi Ziae J, Javadi G.R, Sakhinia E. Molecular analysis of *IGH* and Incomplete *IGH D-J* Clonal Gene Rearrangement in Hodgkin Lymphoma Malignancies. *Clin Lab*, **2015**, 951-955.
21. **Ghorbian S**, Jahanzad I, Javadi GR, Sakhinia E. Evaluation of *IGK* and *IGL* Molecular Gene Rearrangements According to the BIOMED-2 Protocols for Clinical Diagnosis of Hodgkin Lymphoma. *Hemato*, **2015**, 133-137.
22. Bargahi N, **Ghorbian S**, Poursadegh Zonouzi AA, Poursadegh Zonouzi A. Genetic susceptibility to deep venous thromboembolism: the roles of inherited thrombophilia polymorphisms. *Blood Coag Fibri*, **2015**, 308-312.
23. Tohidirad M, Estiar MA, Rezamand A, **Ghorbian S**, Andalib S, Jahanzad I, Sakhinia E, Bahrami T. BCL-1 Gene Rearrangements in Iranian Non-Hodgkin Lymphoma Patients. *Glob J Hea Scie*, **2015**, 108-113.

24. Bargahi N, Poursadegh Zonouzi A, Fardmanesh H, **Ghorbian S**, Poursadegh Zonouz AA. The association of Factor XIII 100 G/T polymorphism and the risk of deep venous thromboembolism: An in silico and experimental study. *Mole Medi Jour*, **2016**, 14-19.
25. Kiaei A, Onori H, Alijani A, Andalib S, **Ghorbian S**, Sakhinia E. Detection of t(8;14) C-MYC/IGH gene rearrangement by long-distance polymerase chain reaction in patients with diffuse large B-cell lymphoma. *Hema/Onc Stem Cell Ther*. **2016**, 141-146.
26. Sabour L, Sabour M, **Ghorbian S**. Clinical Applications of Next-Generation Sequencing in Cancer Diagnosis. *Patho & Onco Rese*. **2016**, 225-234.
27. **Ghorbian S**. Molecular Pathology Diagnosis of Diffuse Large B cell Lymphoma Using BIOMED-2 IGH and IGH D-J Clonal Gene Rearrangements . *Anna Diag Patho* **2017**, 28-31.
28. Kian R, Moradi S, **Ghorbian S**. Role of components of microRNA machinery in carcinogenesis. *Exp Onc* **2018**, 2-9
29. Nargesian M, **Ghorbian S**. Non-coding RNA and Parkinson's disease. *Biom Rese* **2018**, 29 (Accepted).
30. Tohidi N, **Ghorbian S**. Investigating the Association of RAN (rs 14035) and XPO5 (rs 2257082) Genes Polymorphisms with the Recurrent

Pregnancy Loss in Women Referred to Imam Khomeini Hospital of Ardabil During 2015-2017 Years. *Univ Med Sci.* **2018**, 201-12.

31. **Ghorbian S**, Nargesian M, Talaneh S, Asnaashari O, Sharifi R. Association of Genetic Variations in XRCC1 and ERCC1 Genes with Sporadic Breast Cancer. *Gene Cell Tissue.* **2018**, 5(2):e80166.

32. Fazli M, **Ghorbian S**. Association Study of Non-Coding RNA miR-499 and miR196a2 Gene Polymorphisms with the Risk of Idiopathic Recurrent Pregnancy Loss. *Gene Cell Tissue.* **2018**, e67253.

33. Mohseni N, **Ghorbian S**. Study of the association between Dicer (rs3742330 A>G) and Drosha (rs10719 C>T) gene polymorphisms and the risk of recurrent pregnancy loss. *Feyz.* **2018**, 169-76.

34. Talebzadeh N, **Ghorbian S**. Evaluation of Promoter Methylation Pattern of the Vascular Endothelial Growth Factor (VEGF) Gene in Metabolic Syndrome Patients of East Azerbaijan Province. *J Arak Uni Med Sci.* **2018**, 30-39.

35. Kian Bostanabad R, **Ghorbian S**. Association the Study of between CPEB2 Gene Polymorphism with the Risk of Idiopathic Azoospermia/Severe Oligozoospermia Men. . *J Arak Uni Med Sci.* **2018** (Accept).

36. Shiri E, Ghorbian S. A comparative Study of hsa-miR-15 Gene Expression Changes in Myocardial Infarction Patients with Healthy

Individuals in Shahid Madani Hospital of Tabriz. *Med J Tabriz Uni Med Sciences Health Services*. **2018** (Accept).

37. Kian Bostanabad R, **Ghorbian S**. Association the Study of between CPEB1 (rs230846 C>T) Gene Polymorphism and Azoospermia/ Severe Oligospermia. *J Babol Univ Med Sci*. **2018** (Accept).

38. Ayani V, **Ghorbian S**, Abolghasem Fakhri MB. Evaluating the diagnostic value of Argonaute 2 gene expression changes in patients with colorectal cancer. *Ebnesina* **2018**, 47-54.

39. F Shams, **S Ghorbian**, Evaluation of prognostic usefulness of long non-coding RNA GAS5 and FAL1 in papillary thyroid carcinoma. *Journal of Cellular Biochemistry*, **2018** (Accept).

40. S Sadeghpour, **S Ghorbian**. Evaluation of the Potential Clinical Prognostic Value of lncRNA-BANCR Gene in Esophageal Squamous Cell Carcinoma. *Molecular Biology Reports*, **2018** (Accept).

41. H Aalijahan, **S Ghorbian**. Long non-coding RNAs and cervical cancer. *Experimental and molecular pathology*, **2018** (Accept).

42 S Abdolazadeh, **S Ghorbian**. Association the Study of between LncRNA-H19 Gene Polymorphisms with the Risk of Breast Cancer *Journal of Clinical Laboratory Analysis*. **2018**.

Reviewer in Articles

1. ***Human Fertility***: Manuscript ID THUF-2013-0155, entitled "The psychological impact of infertility and fertility treatment on the male partner."
2. ***Andrologia***: Manuscript ID AND-13-282, entitled "TBHP-induced Oxidative Stress Triggers both Pathogenic and Protective Signals Using Mouse Testicular MicroRNAs".
3. ***International Journal of Urology***: Manuscript ID IJU-00449-2013 entitled " An Uncommon Cause of Infertility: Y;1 TRANSLOCATION and PGD TRIAL".
4. ***Journal of Medicinal Plant Research***: Manuscript ID JMPR. 17.12.121.090 etitled "Karyotype analysis in *Allium roseum* L. (Alliaceae) using fluorescent in situ hybridization of rDNA sites and homogenous staining".
5. ***African Journal of Internal Medicine***: Manuscript ID AJIM-13-065 etitled "Molecular Spectrum of β -Thalassaemia of Northern part of Odisha".
6. ***African Journal of Biotechnology***: Manuscript ID AJB/04.02.13/12104 entitled "Cytogenetic and AZF microdeletions on the Y chromosome of infertile men".

7. ***Reproductive Biology***: Manuscript ID REPBIO-D-14-00025 "Rapid and simultaneous screening of 47,XXY and AZF microdeletions by quadruplex real-time polymerase chain reaction".
8. ***International Journal of Medicine and Medical Sciences***: Manuscript ID IJMMS-14-078 "Women's perception toward male factor infertility at IRRUA, south, NIGERIA".
9. ***Systems Biology in Reproductive Medicine***: Manuscript ID UAAN-2014-0151 "Association between genetic polymorphisms in folate-related enzyme genes and infertile men with non-obstructive azoospermia".
10. ***Clinical and Translational Oncology***: Manuscript ID CLAT-D-15-00130 "Gastrointestinal stromal tumors during pregnancy: A systematic review of an uncommon but treatable malignancy".
11. ***Tumor Biology***: Manuscript ID TUBI-D-15-01894 "Expression and clinical significance of PcG related protein RYBP in hepatocellular carcinoma".
12. ***Journal of Peptide Science***: Manuscript ID PSC-15-0099 entitled "A molecular dynamics simulation study to elucidate mechanism by which trifluoroethanol stabilize the secondary structure of Alyteserin-1c antimicrobial peptide".

13. ***Journal of Reproductive Medicine***: Manuscript ID JR-08913-15
"Conservative Management for cervical ectopic after in vitro fertilization".
14. ***Systems Biology in Reproductive Medicine***: Manuscript ID UAAN-2015-0192 "Down-regulation of miR-21 and 146a expression and increased DNA damage frequency in a mouse model of polycystic ovarian syndrome (PCOS) ".
15. ***Clinical and Translational Oncology***: : Manuscript ID CLAT-D-17-00095. "Risk of cardiac death among cancer survivors in the United States; a SEER database analysis."
16. ***Oncotarget***: Manuscript ID ONCO- 017036 " Integrated Analysis miRNA and mRNA Profiling in Patients with Severe Oligozoospermia Reveals MiR-34c-3p Downregulates PLDXD3 Expression ".
17. ***International Journal of Radiation Oncology, Biology, Physics***. Manuscript ID ROB-D-16-01275 "Pan-Cancer Analysis of Genomic Sequencing among the Elderly."
18. ***Clinical and Translational Oncology***: Manuscript ID CLAT-D-17-00095 "Risk of cardiac death among cancer survivors in the United States; a SEER database analysis."
19. ***Clinical and Translational Oncology***: Manuscript ID CLAT-D-16-00700 " Diffuse low grade glioma: a review on the new molecular classification, natural history and current management strategies. "

20. ***Clinical and Translational Oncology***: Manuscript ID CLAT-D-15-00447 "Immune Regulation and Antitumor Effect of TIM-1."
21. **International Journal of Fertility and Sterility**: Manuscript ID IJFS-5162 " Multiplex-PCR screening for microdeletions in azoospermia factor region of Y chromosome in Iranian men with non-obstructive infertility and spouses of women with recurrent pregnancy loss".
22. **Otolaryngology, Head & Neck Surgery**: Manuscript ID: HOHNS-17-008 "Trabecular Juvenile Ossifying Fibroma: Updated Review of the Literature and Report of an Interesting Case".
23. **Journal of Dietary Supplements** : Manuscript ID: WJDS-2017-0069 "Role of tribulus terrestris in male infertility: is it real or fiction?".
24. **Journal of Assisted Reproduction and Genetics**: Manuscript ID: JARG-D-17-00557. Polymorphisms of F2, PROC, PROZ, and F13A1 genes are associated with recurrent spontaneous abortion in Chinese Han women".

Editorial Board Member

- ❖ Jacobs Journal of Bone Marrow and Stem Cell Research (ISSN 2381-2745)
- ❖ Journal of Cancer Research and Experimental Oncology (ISSN: 2141-2243)
- ❖ International Journal of Cancer Research and Molecular Mechanisms (ISSN: 2381-3318).
- ❖ International Journal of Hematology and Therapy (ISSN: 2471-0598).
- ❖ American Journal of Clinical and Experimental Medicine (ISSN: 2330-8125)

- ❖ Unified Journal of Cancer Research
- ❖ Journal of Translational Clinical and Experimental Oncology (JBR-TCEO)
- ❖ Genetics & Molecular Biology Research
- ❖ International Journal of Clinical Pathology and Diagnosis
- ❖ Acute and Chronic Disease Reports

Meetings/Workshops

- Real Time PCR- Pastor Research Institute- 9 March- 2009- Tehran.

Memberships:

- Iranian Society of Embryology and Reproductive Biology- 2012.
- Iranian Society of Neurogenetics- 2012.
- Young Researchers and Elite Club, Islamic Azad University, Ahar, Iran-2011.
- National Comprehensive Cancer Network (NCCN) - 2012.
- International Network for Young Researchers in Male Fertility- 2012.
- European Hematology Association (EHA)- 2012.

Research Interests:

- Molecular Mechanisms of Male Infertility
- Spermatogenesis
- Molecular Genetic Diagnosis in Male Infertility
- Cell Free-DNA

- Neurodegenerative Diseases
- Cancer Molecular Diagnosis

Techniques OF Expertise:

Highlights of Qualifications

- Over 2, 5 years of extensive and progressive laboratory experience in medical laboratory science.
- Substantial experience in sophisticated medical laboratory science techniques.

Laboratory skills:

Molecular biology

- DNA Extraction
- RNA Extraction
- cDNA Synthesis
- Multiplex PCR
- Real-Time Quantitative PCR
- ARMS PCR
- RFLP PCR
- Agarose Gel Electrophoresis
- Polyacrylamide Gel Electrophoresis (PAGE)

Microbiology

- Bacterial culture, fixing and staining bacteria
- Antibigram and biochemical diagnostic test
- Isolation of certain species, strain and type of bacteria

Hematology

- CBC Differential, ESR, Hb & Hct Measurement
- Calibration of Blood Cell Counter (Sysmex Kx-21N)
- Blood Grope & Rh Typing
- Blood Cross Matching
- Direct & Indirect Combs
- Prothrombin Time(PT), Partial Thrombin Time (PTT), Bleeding Time(BT) & Clotting Time(CT)

Immunology

- RF (Romathoid Factor) & CRP(C Reactive Protein)
- Widal Test
- Direct & Indirect Combs Wright
- Wright Test
- Gestation Test
- ELISA

Bioinformatics

- Primer Designing for Standard PCR, Real Time PCR, PCR-Sequencing
- Alignment
- Gene Runner
- Ensemble
- Oligo Analyzer
- Primer BLAST
- NCBI

- Primer 3
- UCSC
- Sequencing

Computer Skills

- End NOT
- Power point
- Word