

Curriculum Vitae

Mitra Rezaei

Personal Information

Name: Mitra Rezaei

Degree: Associate Professor of Pathology

Qualification: M.D.; AP/CP

Nationality: Iranian

Date of birth: 1978

Place of birth: Tehran, Iran

Language: English, Persian

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Genomics Research Center, Taleghani Hospital, Shahid Arabi St., Yemen St., Chamran Highway,
Tehran, Iran

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Current Position

- Associate Professor of Pathology and Laboratory Medicine at NRITLD, SBMU, Tehran, Iran
- Head of Genomics Research Center, SBMU, Tehran, Iran.
- Head of Central Biobank, SBMU, Tehran, Iran
- Head of Molecular pathology departement, National Research Institute of Tuberculosis and Lung Disease, Masih Daneshvari Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran

University Education

Level	Description	University	Years	City Country	Thesis
Specialty	Pathology	IUMS [#]	2005- 09	Tehran Iran	Evaluation of extended spectrum beta lactamase (ESBL) positive strains of klebsiella pneumoniae and E coli in positive bacterial cultures of Hazrat Rasoul hospital during first half of 1387

IUMS: IRAN University of Medical Sciences

Training Courses

Title	Place	Year
Comprehensive training course on quality management in the laboratory	Iranian Society of Pathology	2009
PCR Workshop	SUMS	2010
Workshop of writing and End Note	SUMS	2010
Workshop of Real time PCR	Pasteur Institute of Iran	2010
Workshop of Plagiarism in medical writing	TUMS	2011
Basics of quality assurance in biochemistry laboratory	Iranian Society of Pathology	2011
Workshop of Quantitative real time PCR	Pasteur Institute of Iran	2011
Bioinformatic Workshop	Iranian Society of Pathology	2011
Principles and application of flow cytometry	Iranian Society of Pathology	2012
Electronic hospital and telemedicine	TUMS	2012
Histotechnology methods and quality control in anatomical pathology laboratory	Iranian Society of Pathology	2012
Workshop of End Note software	TUMS	2013
Workshop for blood and blood component handling & haemovigilance system	Iranian blood transfusion organization	2014
Workshop of Flow cytometry and its clinical application	NRITLD	2017
FISH Workshop	SUMS	2017

Real time PCR Workshop	SUMS	2017
Research methodology Workshop	SBMU	2017
Medical education methodology Workshop	SBMU	2017
Workshop of evidence based medicine (EBM)	SBMU	2017
KFP exam Workshop	SBMU	2017
Mini-CEX assessment Workshop	SBMU	2017
Journal club and educational round Workshop	SBMU	2017
Communication skills workshop	SBMU	2017
Molecular Pathology and Cytogenetic Updates	SUMS	2017
Cytogenetics in bone marrow Workshop	SUMS	2017
Blood diseases, new challenges in diagnosis and treatment	SUMS	2017
MCQ test Workshop	SBMU	2018
Workshop for blood and blood component handling & haemovigilance system	NRITLD	2018
E-teacher Course	SBMU	2020-21
Learning management system workshop	SBMU	2021
Health Communication Interdisciplinary Course	SBMU	2021-22
Clinical Informatics Fellowship	KUMS	2023

* **TUMS**: Tehran University of Medical Sciences, **SUMU**: Shiraz University of Medical Sciences, **SBMU**: Shahid Beheshti University of Medical Sciences, **NRITLD**: National research institute of tuberculosis and lung diseases, **KUMS**: Kerman University of Medical Sciences

Administrative experiences

Title	Place	Duration
Vice-Chancellor of the Pathology Department	NRITLD	2015 up to now
Head of the Central Laboratory of the Faculty of Medicine	SBMU	2016 up to now
Setting up the central laboratory and adding the electron microscope laboratory to the central laboratory	SBMU	2016-17
Head of the Central Biobank	SBMU	2021 up to now
Head of the Genomics Research Center	SBMU	2023 up to now

Memberships

Title	Duration
Iranian Society of Pathology	13 years
International Society for Biological and Environmental Repositories	3 years

Teaching Experiences

Title	Place	Duration
Molecular pathology and cytogenetics	NRITLD-SBMU IBTO	12years
Hematolymphoid and bone marrow Pathology	NRITLD-SBMU IBTO	12years
Fowcytometry Qulity assurance in hematology lab	NRITLD-SBMU IBTO	12years
Pathology of lung ,pleura and mediastinum	NRITLD-SBMU	8 years

* Shahid Beheshti University of Medical Sciences

National research institute of tuberculosis and lung diseases

Work experiences

Title	Place	Duration
Iranian Pasteur Institute	Tehran	2010-11
Iranian Blood Transfusion Organization	Tehran	2011-14

Shahid Beheshti University of Medical Sciences	Tehran	2014 up to now
National research institute of tuberculosis and lung diseases	Tehran	2014 up to now

Research Interests

Molecular Pathology
Biobank information management (BIMS) software
Cancer genomics
Cytogenetics
Inborn errors and infectious diseases
Hematolymphoid and bone marrow Pathology
Lung,pleura and mediastinal tumor

Publications

English papers

No	Description
1	PARVARESHRIZI M, HEJAZIAN SE, REZAI M. FRONTAL INTRAPARENCHYMAL SCHWANNOMA: A CASE REPORT (CASE REPORT) . MEDICAL JOURNAL OF THE ISLAMIC REPUBLIC OF IRAN (MJIRI). 2009;23(2)
2	Abolghasemian M, Rezaie M, Behgoo A, Shoushtarizadeh T, Ghazavi MT. Exostosis-like intra-articular periosteal osteoblastoma: a rare case . American journal of orthopedics (Belle Mead, NJ). 2010;39(6):E50-3.
3	Kadivar M, Rezaee M, Jadidfard R, Joulaee A. Evaluation of Histopathology and Biologic Markers in Premenopausal (under 40 years) and Postmenopausal (over 60 years) Women with Breast Cancer in Hazrat-e-Rasoul and Atieh Hospitals . Razi Journal of Medical Sciences. 2010;17(72):49-57.
4	Shayanfar N, Rezaei M, Ahmadi M. Evaluation of Extended Spectrum Betalactamase(ESBL) Positive Strains of Klebsiella pneumoniae And Escherichia coli in Bacterial Cultures . Iranian Journal of Pathology. 2010;5(1):34-9.
5	Mahdian R, Nodouzi V, Asgari M, Rezaie M, Alizadeh J, Yousefi B, Shahrokh H, Abolhasani M, Nowroozi M. Expression profile of MAGI2 gene as a novel biomarker in combination with major deregulated genes in prostate cancer . Molecular biology reports. 2014;41(9):6125-31.
6	Kiani A, Kakhaki AD, Khalili A, Tootkaboni MP, Rezaie MS, Abedini A. Outpatient pleuroscopy: Report of an experience in a referral hospital . Pneumologia. 2016;65(3):142-5.
7	Valikhani A, Rezaei MS, Alaei M, Popak B, Amirzade N, Ahmadi MH. Study of ASXL1 gene mutation in Chronic Myelogenous Leukemia . The Scientific Journal of Iranian Blood Transfusion Organization. 2016;13(4):324-32.

8	Jamaati H, Kahkouee S, Farrokhpour M, Rezaei M, Mir Aboutalebi F, Taghavi K. Endogenous lipoid pneumonia associated with rheumatoid arthritis, Tuberculosis and cytomegalovirus infection. Paripex Indian Journal of Research. 2017;6(7):21-4.
9	Shafiepour M, Kiani A, Taghavi K, Seifi S, Rezaie MS, Hashemian SMR, Abedini A. A rare report of lung metastasis of the common non-melanotic skin cancer. Tanaffos. 2018;17(1):62-5.
10	Pourabdollah M, Saghebi SR, Abdolahi M, Rezaei MS. Necrotizing sarcoid granulomatosis with pneumothorax. Case Reports in Medicine. 2019; 2019.
11	Rakhshan A, Moradi A, Ahadi M, Rezaei MS, Jamali E, Kazeminejad B, Mollasharifi T, Hosseini J, Movafagh A, Moradi A, Aliakbari F. The prevalence of human herpes virus type 8 in semen specimens of HIV-negative Iranian population detected by nested polymerase chain reaction. International Journal of Cancer Management. 2019; 12(9).
12	Rezaei M, Esfandiari N, Saghebi SR, Pourabdollah M, Tabarsi P. Toothpick aspiration induces massive hemoptysis: A case report. Tanaffos. 2019; 18(4):369-72.
13	Ahadi M, Mollasharifi T, Kazeminezhad B, Abdolahi M, Sadeghi A, Khoshnevis J, Fallah HH, Alizadeh S, Rezaei MS, Jamali E. Histopathologic features of 1000 cholecystectomy specimens. International Journal of Cancer Management. 2020; 13(10):1-7.
14	Babamahmoodi A, Moniri A, Sadr M, Poorhosseini SM, Rezaei M, Marjani M, Velayati AA. Trisomy 21 as a Risk Factor for Severe Illness in COVID-19: Report of two Cases. Tanaffos. 2020; 19(4):413-7.
15	Babamahmoodi A, Rezaei M, Marjani M. Promising role of Bruton's Tyrosine Kinase Inhibitors in Treatment of COVID-19. jmciri. 2020; 38(2):84-91.
16	Dowlati Beirami A, Hatamabadi D, Iranpanah S, Rezaei M, Ziai SA. In Silico Identification of Potentially Effective Herbal Inhibitors of SARS-Cov-2 Main Protease by Virtual Screening Method: Potential Anti-COVID-19 Molecules. School of Medicine Students' Journal. 2020; 2(3):2-6.
17	Lookzadeh S, Pourabdollah Toutkaboni M, Jamaati H, Rezaei M, Marashian M. Primary Gastrointestinal Involvement in a Case of Extranodal-Extranasal Natural Killer T Cell Lymphoma. Tanaffos. 2020; 19(1):74-8.
18	Mahmoudi S, Rezaei M, Mansouri N, Marjani M, Mansouri D. Immunologic Features in Coronavirus Disease 2019: Functional Exhaustion of T Cells and Cytokine Storm. J Clin Immunol. 2020; 40(7):974-6.
19	Marjani M, Tabarsi P, Moniri A, Hashemian SM, Nadji SA, Abtahian Z, Malekmohammad M, Kiani A, Farzanegan B, Eslaminejad A, Fakharian A, Heshmatnia J, Abedini A, Seifi S, Yassari F, Mirenayat MS, Rezaei M, Sheikhzade H, Ahmadi ZH, Dastan F, Sadeghi M, Lookzadeh S, Pourabdollah M, Askari E, Baghaei P, Mansourafshar B, Jahangirifard A, Vasheghani M, Mokhber Dezfuli M, Varahram M, Jamaati H, Mansouri D, Zali A, Velayati AA. NRITLD Protocol for the Management of Patients with COVID-19 Admitted to Hospitals. Tanaffos. 2020; 19(2):91-9.
20	Rezaei M, PourAbdollah M, Salimi B, Seifi SH, Sheikholeslami M. PCR-HRM for Detecting JAK2V617F Gene Mutation: Is It a Sensitive Assay? Basic & Clinical Cancer Research. 2020; 11(4).
21	Mohammadpour H, Ziai A, Sadr M, Rezaei M, Marjani M, Tabarsi P. A novel coronavirus

	disease (COVID-19): A review of host cell signaling pathways. Tanaffos. 2020; 19(2):108-11.
22	Pourabdollah Toutkaboni M, Askari E, Khalili N, Tabarsi P, Jamaati H, Velayati AA, Dorudinia A, Rezaei M, Nadji SA, Mohamadnia A, Khalili N. Demographics, laboratory parameters and outcomes of 1061 patients with coronavirus disease 2019: a report from Tehran, Iran. New microbes and new infections. 2020;38: 100777.
23	Rezaei M, Babamahmoodi A, Marjani M. Bruton's tyrosine kinase: A promising target for the treatment of covid-19. Tanaffos. 2020;19(2):85-8.
24	Rezaei MS, Esfandiari N, Refoua S, Shamaei M. Characterization of Immunophenotypic Aberrancies in Adult and Childhood Acute Lymphoblastic Leukemia: Lessons from Regional Variation. Iran J Pathol. 2020;15(1):1-7.
25	Sadegh Beigee F, Pourabdollah Toutkaboni M, Khalili N, Nadji SA, Dorudinia A, Rezaei M, Askari E, Farzanegan B, Marjani M, Rafiezadeh A. Diffuse alveolar damage and thrombotic microangiopathy are the main histopathological findings in lung tissue biopsy samples of COVID-19 patients. Pathology, research and practice. 2020;216(10):153228.
26	Salimi S, Rezaei M, Mousavi Z, Atabakhshian R, PourIran R, Ziai SA. Docetaxel Enhances the Expression of STING Protein in PC3 Cells, and cGAMP Attenuates this Effect. Novelty in Biomedicine. 2020;8(4):196-204.
27	Seyyed Tabaei SJ, Rahimi M, Akbaribazm M, Ziai SA, Sadri M, Shahrokhi SR, Rezaei MS. Chitosan-based nano-scaffolds as antileishmanial wound dressing in BALB/c mice treatment: Characterization and design of tissue regeneration. Iran J Basic Med Sci. 2020; 23(6):788-99.
28	Askari E, Pourabdollah Toutkaboni M, Haseli S, Rezaei M, Tabarsi P, Marjani M, et al. Not all that is miliary is tuberculosis: Metastatic medullary thyroid carcinoma mimicking miliary tuberculosis. Clinical case reports. 2021;9(5):e04231.
29	Atabakhshian R, Salami S, Mirfakhraie R, Mahmoodi Khatonabadi S, Sirati-Sabet M, Gholamali Yaghmaei BG, et al. Umbelliprenin Suppresses Angiogenesis Signaling in SKBR-3 Cell Line by Downregulation of EGF/CoCl2 -Mediated PI3K/AKT/MAPK. Research Journal of Pharmacognosy. 2021;8(1):7-18.
30	Bahadori M, Dabiri S, Javadi A, Shamsi Meymandi S, Movahedinia S, Shamsi Meymandi M, et al. Pathogenesis of COVID-19; Acute Auto-inflammatory Disease (Endotheliopathica & Leukocytoclastica COVIDicus). Archives of Iranian medicine. 2021;24(5):419-26
31	Bahrami M, Haji Molla Hoseini M, Rezaei M, Ziai SA. Umbelliprenin Increases the M1/M2 Ratio of Macrophage Polarization and Improves the M1 Macrophage Activity in THP-1 Cells Cocultured with AGS Cells. Evidence-Based Complementary and Alternative Medicine. 2021;2021:9927747.
32	Fakharian A, Barati S, Mirenayat M, Rezaei M, Haseli S, Torkaman P, et al. Evaluation of adalimumab effects in managing severe cases of COVID-19: A randomized controlled trial. International immunopharmacology. 2021;99:107961.
33	Heshmatnia J, Mirenayat MS, Rezaei M, Bongomin F, Bakhshayeshkaram M, Tabarsi P, et al. Relapse of Lymphangioliomyomatosis Five Years after Bilateral-Lung Transplantation. Archives of Iranian medicine. 2021;24(9):701-3.
34	Mirsadraee S, Pourabrollah Toutkaboni M, Bakhshayeshkaram M, Rezaei M, Askari E, Haseli S, et al. Radiological and Laboratory Findings of Patients with COVID-19 Infection at the

	Time of Admission. Iran J Pathol. 2021;16(2):137-43
35	Rezaei M, Baghaei P, Sadr M, Moniri A, Babamahmoodi AR, Qadimi S, et al. Diagnosis of COVID-19 by Serology in Admitted Patients with Negative RT-PCR Assay. Iranian Journal of Allergy, Asthma and Immunology. 2021;0(0).
36	Mortaz E, Bassir A, Dalil Roofchayee N, Dezfuli NK, Jamaati H, Tabarsi P, et al. Serum cytokine levels of COVID-19 patients after 7 days of treatment with Favipiravir or Kaletra. International immunopharmacology. 2021;93:107407.
37	Rezaei M, Jamaati H, Tabarsi P, Moniri A, Marjani M, Velayati AA. NRITLD Protocol for the Management of Outpatient Cases of COVID-19. Tanaffos. 2021;20(3):192-6.
38	Rezaei M, Karimi Galougahi M, Kheradmand A, Pourabdollah Toutkaboni M, Mir Mohammad Sadeghi H, Abdollahi A, et al. The Frequency of Human Papillomavirus Positivity in Iranian Patients with Head and Neck Squamous Cell Carcinoma. Iran J Pathol. 2021;16(1):20-6.
39	Rezaei M, Mahmoudi S, Mortaz E, Marjani M. Immune cell profiling and antibody responses in patients with COVID-19. BMC Infectious Diseases. 2021;21(1):646.
40	Rezaei M, Marjani M, Mahmoudi S, Mortaz E, Mansouri D. Dynamic Changes of Lymphocyte Subsets in the Course of COVID-19. International archives of allergy and immunology. 2021;182(3):254-62.
41	Rezaei M, Mohajerani H, Moslemi H, Shafiei S, Tabrizi MAA, Tabrizi R. Does P16 Protein Expression Affect Treatment Prognosis in Oral Squamous Cell Carcinoma - A Comparative Study. Annals of maxillofacial surgery. 2021;11(1):17-20.
42	Rezaei M, Sadeghi M, Korourian A, Tabarsi P, Porabdollah M, Askari E, et al. Comparative evaluation of SARS-CoV-2 IgG assays against nucleocapsid and spike antigens. Human antibodies. 2021;29(2):109-13.
43	Rezaei M, Ziai SA, Fakhri S, Pouriran R. ACE2: Its potential role and regulation in severe acute respiratory syndrome and COVID-19. J Cell Physiol. 2021;236(4):2430-42.
44	Sali S, Rezaei M, Marjani M, Tehrani S, Abdolmohammadzadeh A, Soheili A, et al. Descriptive Analysis of COVID-19 among Health Care Workers in a Tertiary Center in Iran. Tanaffos. 2021;20(3):246-52.
45	Vasheghani M, Jannati N, Baghaei P, Rezaei M, Aliyari R, Marjani M. The relationship between serum 25-hydroxyvitamin D levels and the severity of COVID-19 disease and its mortality. Scientific reports. 2021;11(1):17594.
46	Babamahmoodi A, Arefnasab Z, Marjani M, Poorhosseini S, Rezaei M, Marjani M. Strategies, Technologies, and Challenges in the Management of COVID-19 Pandemic by Telehealth. Journal of Preventive, Diagnostic and Treatment Strategies in Medicine. 2022;1(1):35-9.
47	Jalali A, Haji Molla Hoseini M, Rezaei M, Ziai* SA. Auraptene Promotes THP-1 Polarization to M1 Macrophages and Improves M1 Function. Research Journal of Pharmacognosy. 2022;9(1):63-75.
48	Mirenayat MS, Abedini A, Kiani A, Eslaminejad A, Adimi Naghan P, Malekmohammad M, et al. National Research Institute of Tuberculosis and Lung Disease (NRITLD) Protocol for the Treatment of Patients with COVID-19. Iranian journal of pharmaceutical research : IJPR. 2022;21(1):e123947.
49	Mohammadi S, Rezaei M, Shojaeian F, Pourabdollah M, Mohammadi Ziazi L, Seifi S, et al. The Frequency of Epidermal Growth Factor Receptor (EGFR) Mutation in Patients with Lung

	Adenocarcinoma Referred to a Lung Diseases Hospital; A Cross-Sectional Study from Iran. Iran J Pathol. 2022;17(2):159-65.
50	Nasri E, Fakhim H, Jafari Sales A, Bannazadeh Baghi H, Vaezi A, Rezaei M, et al. Prevalence of Human T-Lymphotropic Virus Type 1 in Brain-Dead Organ Donors. Archives of Clinical Infectious Diseases. 2022;17(1):e116005.
51	Rezaei M, Barati S, Babamahmoodi A, Dastan F, Marjani M. The Possible Role of Bruton Tyrosine Kinase Inhibitors in the Treatment of COVID-19: A Review. Current therapeutic research, clinical and experimental. 2022;96:100658.
52	Rezaei M, Marjani M, Mirahmadi A, Bineshfar N, Mohammadpour H, Pourabdollah Toutkaboni M, et al. Diminution of STING Expression in the Blood of Patients with Severe or Critical COVID-19 Pneumonia. International archives of allergy and immunology. 2022:1-11.
53	Rezaei M, Marjani M, Tabarsi P, Moniri A, Pourabdollah M, Abtahian Z, et al. Evaluation of Lymphocyte Subtypes in COVID-19 Patients. Tanaffos. 2022;21(3):293-301.
54	Rezaei M, Mohammadpour H, Eftekhari M, Pourabdollah M, Nasr Azadani F, Tabarsi P, et al. The role of angiotensin I converting enzyme insertion/deletion polymorphism in the severity and outcomes of COVID-19 patients. Front Genet. 2022;13:1035796.
55	Rezaei M, Soheili A, Ziai SA, Fakharian A, Toreyhi H, Pourabdollah M, et al. Transmission electron microscopy study of suspected primary ciliary dyskinesia patients. Scientific reports. 2022;12(1):2375.
56	Rezaei M, Mohamadi F, Sadr M, Azimi M, Moniri A, Kazempour Dizaji M, et al. Etiology and Contributing Factors of Cavitory Pulmonary Lesions in HIV Infected Patients. Journal of Iranian Medical Council. 2023;6(1):167-73.

Persian papers

1	Kadivar M, Rezaee M, Jadidfard R, Joulaee A. Evaluation of Histopathology and Biologic Markers in Premenopausal (under 40 years) and Postmenopausal (over 60 years) Women with Breast Cancer in Hazrat-e-Rasoul and Atieh Hospitals. Razi Journal of Medical Sciences. 2010;17(72):49-57.
2	Valikhani A, Rezaei MS, Alaei M, Popak B, Amirizade N, Ahmadi MH. Study of ASXL1 gene mutation in Chronic Myelogenous Leukemia. The Scientific Journal of Iranian Blood Transfusion Organization. 2016;13(4):324-32.
3	Babamahmoodi A, Rezaei M, Marjani M. Promising role of Bruton's Tyrosine Kinase Inhibitors in Treatment of COVID-19. jmciri. 2020;38(2):84-91.
4	Babamahmoodi AR, Rezaei M, Pourhosseini SM, Marjani M, Babamahmoodi F, Velayati AA. The strategic role of Telemedicine in the management of pandemics and epidemics. journal of medical council of Islamic republic of Iran. 2021;39(3):145-58

Books

1

An overview of laboratory medicine. The chapter of principles of flow cytometry and analysis of body fluids. SBMU publications. 2020; ISBN: 9786226121804

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