CURRICULUM VITAE (2024)

Personal Information:

Name: Razieh

Family Name: Dowran

Date and Place of Birth: 1989 - Shiraz

Nationality: Iranian

Marital Status: Married

Address:

Resalat Square.,Tehran, Iran

Tel: +98-917 120 1832

Email: raziehdowran@yahoo.com

H-Index google scholar: 10

Total google scholar citations: 207

Google scholar link: Razieh Dowran - Google Scholar

ORCID iD

https://orcid.org/0000-0002-2318-4397

Education:

Grade	Major	University
Ph.D. Candidate	Medical Virology	Department of virology, Tehran University of Medical Sciences, Tehran, Iran

M.Sc.	Medical Virology	Department of bacteriology and virology, Shiraz University of Medical Sciences, Shiraz, Iran.
B.Sc.	Laboratory Sciences	Shiraz Paramedical School, Shiraz University of Medical Sciences, Shiraz, Iran.

Special training and membership of Scientific Societies:

Member of Iranian Society for Virology.

Membership in Student Exceptional Talent Center, Shiraz University of Medical Sciences.

Membership in Student Exceptional Talent Center, Tehran University of Medical Sciences.

Secretory of student scientific association of virology of TUMS from 2020 to 2022.

Member of the student working group of development education.

1St rank promoted in Msc courses, Shiraz University of Medical Sciences.

1st rank in PhD entrance exam.

1St rank promoted in PhD courses, Tehran University of Medical Sciences

Executive Committee member of the First International and Third National CRISPR Symposium.

Member of the Organizing Committee of the AIDS Symposium.

Reviewer of journals:

Plus one

Hepatitis monthly

Journal of current biomedical reports

Iranian Journal of Immunology

Journal of Neurovirology

Chemico-biological interactions

https://publons.com/researcher/2025951/razieh-dowran/

Associate editor of:

Journal of current biomedical reports,

Workshops:

Participation in a workshop on Real-Time PCR, 19 Jan. 2010. Faculty of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran.

Participation in a workshop in collaborating with foreign professors and universities by students' international committee of medical school "SICoMS".

Books:

1. Author of book "Virology", First edition. ISBN: 978-600-42-2171-9. 2017.
2. Author of book "Virology", Second edition. ISBN: 978-600-422-664-6. 2021.

Subject of M.Sc. Thesis:

Investigation the effect of silymarin, PEG IFN-α and their combination on TLR7 and SOCS1 expression of cultured PBMC of responder and non-responder patients infected with HCV genotype 1

Publications:

a.

1. **Dowran, R.**, J. Sarvari, A. Moattari, M. R. Fattahi, A. Ramezani and S. Y. Hosseini (2017). "Analysis of TLR7, SOCS1 and ISG15 immune genes expression in the peripheral blood of responder and non-responder patients with chronic Hepatitis C." Gastroenterol Hepatol Bed Bench**10**(4): 272-277.

2. Jamhiri, I., S. Y. Hosseini, D. Mehrabani, Z. Khodabandeh, R. Yaghobi, **R. Dowran** and S. Zahri (2017). "The pattern of IL-24/mda-7 and its cognate receptors expression following activation of human hepatic stellate cells." Biomed Rep**7(**2): 173-178.

3. Sarvari, J., M. Mansouri, T. Hashempoor, S. Y. Hosseini, A. Moattari, N. Pirbonyeh, **R. Dowran**, J. Moayedi, Z. Musavi and M. Fattahi (2017). "Association of Genotype and Haplotype of IL-28B Gene with Hepatitis C Infection Outcome in Iran: Spontaneous Clearance Versus Chronic Infection." Hepat Mon**17(**5): e45745.

4. Sarvari J, **Dowran R**, Hosseini SY, Fattahi MR, Erfani N. Association of PD-1 gene with outcome of hepatitis C virus infection. EXCLI J. 2018;17:935-44.

5. Hashemi, S.M.A., Sarvari J., Fattahi M.R., **Dowran R**, et al. Comparison of ISG15, IL28B and USP18 mRNA levels in peripheral blood mononuclear cells of chronic hepatitis B virus infected patients and healthy individuals. Gastroenterol Hepatol Bed Bench, 2019. **12**(1): p. 38-45.

6. **Dowran, R**., et al., *No detection of EBV, BKV and JCV in breast cancer tissue samples in Iran.* BMC Res Notes, 2019. **12**(1): p. 171.

7. Shabani M, Sadegh Ehdaei B, Fathi F, **Dowran R**. A mini-review on sofosbuvir and daclatasvir treatment in coronavirus disease 2019. New Microbes New Infect. 2021;42:100895

8. Shahmohamadnejad S, Nabavi SF, Habtemariam S, Sarkar K, Sil PC, **Dowran R**, et al. May we target double-membrane vesicles and oxysterol-binding protein to combat SARS-CoV-2 infection? Cell Biol Int. 2020;44(9):1770-2.

9. **Dowran R**, Nabavi SF, Habtemariam S, Banach M, Shahmohamadnejad S, Cismaru CA, et al. Various interferon (IFN)-inducible transmembrane (IFITM) proteins for COVID-19, is there a role for the combination of mycophenolic acid and interferon? Biochimie. 2020;177:50-2.

10. Sedighi I, e al. A Multi-Center Retrospective Study of Clinical features, Laboratory Characteristics, and Outcomes of 325 Hospitalized Children with Coronavirus Disease 2019 (COVID-19); A Preliminary Report from Iranian Network for Research in Viral Diseases (INRVD). preprint

11. Iravani K, Bakhshi F, Doostkam A, Malekmakan L, Tale M, Jafari P, **Dowran R.** Detection of human papillomavirus (HPV) DNA in benign laryngeal lesions and role of cigarette smoking .as an inducing factor. VirusDisease. 2021:1-5

12. Fahimzad A, Sedighi I, Pak N, Khalili M, Farahmand M, Shokrollahi MR, et al. A Comparative Analysis of Clinical Characteristics and Laboratory Findings of COVID-19 between Intensive Care Unit and Non-Intensive Care Unit Pediatric Patients: A Multicenter, Retrospective, Observational Study from Iranian Network for Research in Viral Diseases (INRVD). 2021.

13. **Dowran R**, Hosseini SY, Fattahi MR, Sarvari J. The Effect of Silibinin on the Expression of TLR7, ISG15, and SOCS1 in Peripheral Blood Mononuclear Cells of Hepatitis C Infected Patients in Comparison with Interferon-α. Journal of Medical Microbiology and Infectious Diseases. 2021;9(1):12-6

14. **Dowran R**, Malekzadeh M, Nourollahi T, Sarkari B, Sarvari J. The prevalence of hepatitis B virus markers among students of Shiraz University of Medical Sciences. Advanced Biomedical Research. 2021;10

15. Sharifian K, **Dowran R**. The effect of SARS-CoV-2 on HIV-positive individuals. Journal of Current Biomedical Reports. 2020;1(2):43-4.

16. Afrakhteh H, Joharinia N, Momen A, **Dowran R**, Babaei A, Namdari P, et al. Relative frequency of hepatitis B virus, human papilloma virus, Epstein-Barr virus, and herpes simplex viruses in the semen of fertile and infertile men in Shiraz, Iran: A cross-sectional study. Int J Reprod Biomed. 2021;19(8):699-706.

17. Jafarpour R, Pashangzadeh S, **Dowran R**. Host factors: Implications in immunopathogenesis of COVID-19. Pathol Res Pract. 2021;228:153647.

18. Sedighi I, Fahimzad A, Pak N, Khalili M, Shokrollahi MR, Heydari H, et al. A multicenter retrospective study of clinical features, laboratory characteristics, and outcomes of 166 hospitalized children with coronavirus disease 2019 (COVID-19): A preliminary report from Iranian Network for Research in Viral Diseases (INRVD). Pediatr Pulmonol. 2022;57(2):498-507.

19. Rayati Damavandi A, **Dowran R**, Al Sharif S, Kashanchi F, Jafari R. Molecular variants of SARS-CoV-2: antigenic properties and current vaccine efficacy. Med Microbiol Immunol. 2022.

20. Kheyri Z, Alizadeh M, Akbarpour S, Hosamirudsari H, Niya MH, Aliasgharpour F, Meidan MM, Hassanzadeh S, **Dowran R**, Jafarpour A. Renin-Angiotensin-Aldosterone axis inhibition improves outcome of diabetic patients with chronic hypertension and COVID-19: An Iranian perspective. Adv Biomed Res [serial online] 2022 [cited 2023 Feb 12];11:109. Available from: https://www.advbiores.net/text.asp?2022/11/1/109/364887

21. **Dowran R**, Damavandi AR, Azad TM. Reinfection and reactivation of SARS-CoV-2. Future Virol. 2022.

22. Karimizadeh Z, **Dowran R**, Mokhtari-Azad T, Shafiei-Jandaghi NZ. The reproduction rate of severe acute respiratory syndrome coronavirus 2 different variants recently circulated in human: a narrative review. Eur J Med Res. 2023;28(1):94.

23. **Dowran R**, Edalat F, Fardi M, Hashemi SMA, Moattari A. Characteristics of Hospitalized COVID-19 Patients in a Major Referral Center in Shiraz, Iran. Adv Biomed Res. 2023;12:137.

24. Jahromi FNA, **Dowran R**, Jafari R. Recent advances in the roles of exosomal microRNAs (exomiRs) in hematologic neoplasms: pathogenesis, diagnosis, and treatment. Cell Commun Signal. 2023;21(1):88.

25. Soltani S, Farahani A, Zebardast A, **Dowran R**, Zandi M, Rafat Z et al. Human immunodeficiency virus and Candida albicans co-infection in Iran: a systematic review. HIV & AIDS Review. International Journal of HIV-Related Problems. 2023;22(3):181-188. doi:10.5114/hivar.2023.131461.

WORK EXPERIENCES:

Working at the bacteriology and virology department, school of medicine, Shiraz University of medical sciences, 2014-2016

Teaching Endpoint PCR, Real Time PCR, DNA extraction, electrophoresis, cell culture, ELISA techniques lab courses.

Working at Daneshbod lab, FISH, CISH and flow cytometry department 2016-2018.

TECHNICAL EXPERIENCEs:

Cell culture, Flowcytometry, FISH, CISH, ELISA and PCR (End point PCR, Nested PCR, Real-time PCR, RFLP). Virus culture, DNA and RNA extraction from different specimens, Protein expression and purification, recombinant proteins.

Bioinformatic skills:

Primer design, Phylogenetic analysis, sequence submission, vaccine construct design

Language skills:

English

b. ORALs and POSTERs:

	Title	Congress	Oral or poster	Date& Place
1	PDCD1 genetic diversity at position +7785 has not shown correlation with HCV infection	6th International Tehran Hepatitis Conference	Poster The best poster	May, 2015 Tehran
2	Association of IL-28 gene polymorphism at rs12979860 T/C with spontaneous clearance of HCV infection in Fars province, south of Iran	6th International Tehran Hepatitis Conference	oral	May, 2015 Tehran
3	No association of genetic variation at PD1.5 loci with spontaneously clearance of HCV infection	6th International Tehran Hepatitis Conference	poster	May, 2015 Tehran
4	No association of IL-28B gene polymorphism at rs8099917T/G with HCV infection outcome in Fars province: spontaneous clearance versus chronic infection	6th International Tehran Hepatitis Conference	poster	May, 2015 Tehran

5	The comparison of SOCS1 expression in PBMCs of HCV genotype 1 responder and non-responder patients	8th International Congress of Laboratory and Clinic &1st National Congress on Medical Basic Sciences and Knowledge-based Production	poster	February 2016 Tehran
6	Investigation of PD1 gene polymorphism at position PD1.3 (rs11568821) in chronic Hepatitis C patients and healthy controls	7thInternational Congress of Laboratory and Clinic, and the 1stConference of Clinical Virology	poster	Feb 2015 Tehran
7	No association between SNP in PD1.5 gene at position +7146 G/A (PD1.3) and outcome of HCV infection	7thInternational Congress of Laboratory and Clinic, and the First Conference of Clinical Virology	poster	Feb 2015 Tehran
8	The transcription level of IFN-α induced SOSC-1 gene as a predictive factor for response of therapy in HCV infected patients	13th International Congress of Immunology and Allergy of Iran	oral	April 2016 Tabriz
9	No association of IL-28B gene polymorphism at rs8099917 T/G with response to standard therapy in chronic hepatitis C patients in Fars province, south of Iran	The 9th International Congress of Clinical Microbiology	poster	Oct, 2015 Shiraz, Iran

10	Investigation the effect of Silibinin on ISG15 expression in PBMCs of chronic hepatitis C infected patients	7th Iranian Congress of Virology	poster	May 2017 Tehran
11	NGS and its application	4th Congress on Novel & Innovative Laboratory Technologies	poster	Oct 2016 Shiraz
12	The comparison of USP18 gene expression in PBMC of chronic active and inactive carrier Hepatitis B infected patients with healthy individual	7th International Tehran Hepatitis Conference	poster	September 2017 Tehran
13	Association of IL-28B rs12979860 C/T and rs8099917 T/G haplotype with hepatitis C infection outcome in Iran: spontaneous clearance versus chronic infection	7th International Tehran Hepatitis Conference	poster	September 2017 Tehran
14	The dominant prevalence of HBV genotype D among infected patients from southern of Iran	7th International Tehran Hepatitis Conference	Poster	September 2017 Tehran
15	Progressive multifocal leukoencephalopathy: A rare and unexpected complication of	The 2nd International Congress of Hematology and Hematopathology and the 6th Meeting of the Iranian Division	poster	May 2018 Shiraz

	lymphoproliferative disorders medicines	International Academy of Pathology(IAP)		
16	The comparison of ISG15 gene expression in PBMC of chronic active and inactive carrier hepatitis b infected patients with healthy individuals	7th International Tehran Hepatitis Conference	poster	September 2017 Tehran
17	TLR7 gene expression in chronic responder and non-responder hepatitis C patients Spontaneous clearance versus chronic infection	7th International Tehran Hepatitis Conference	poster	September 2017 Tehran
18	No association of PD-1.3 G/A and PD-1.5 C/T haplotype with outcome of hepatitis C virus infection in southwest of Iran	7th International Tehran Hepatitis Conference	poster	September 2017 Tehran
19	Investigation of the Hbs Ag mutation patterns correlation with disease progression in asymptomatic carriers and hepatocellular car-cinoma/cirrhotic HBV infected patients	7th International Tehran Hepatitis Conference	oral	September 2017 Tehran
20	The evaluation of IL28B gene expression in PBMCs of chronic active and inactive carrier hepatitis B infected patients in	7 Tn Iranian Congress of Virology	poster	May 2017 Tehran

	comparison with healthy individuals			
	The analysis of critical reverse transcriptase mutations in HBV isolates in a group of patients avoided from nucleoside analogues	7 Tn Iranian Congress of Virology	poster	May 2017 Tehran
	The mutation pattern of MHR region of virus isolates from HBV infected patients, Southern Iran	7 Tn Iranian Congress of Virology	poster	May 2017 Tehran
21	Evaluating the persistence of immune response at least 18 years following newborn HBV vaccination	12th International Congress of Medial Lab and Clinic	Oral	Dec 2019 Tehran
22	Study of genes and microRNAs predisposing the host to COVID-19-related cardiovascular injuries-an in silico study	8th Iranian Congress of Virology	Oral	12 July 2022 Tehran (virtual)
23	Characteristics of Hospitalized COVID-19 Patients in a Major Referral Center in Shiraz, Iran.	8th Iranian Congress of Virology	Poster	12 July 2022 Tehran (virtual)
24	Reinfection and reactivation of SARS-CoV-2	8th Iranian Congress of Virology	Poster	12 July 2022 Tehran (virtual)
25	Epitope mapping of Mpox using bioinformatics approaches	14th International congress of Medical Lab. and Clinic	Poster	Feb 2023 Tehran
26	Recent advances in the roles of exosomal microRNAs (exomiRs) in Hematologic Neoplasms:	14th International congress of Medical Lab. and Clinic	Poster	2-4 Feb 2023 Tehran

	Pathogenesis, diagnosis, and treatment			
27	Syncytia formation in the pathogenesis of SARS-CoV-2 infection: Lessons from viral infections	15th International congress of Medical Lab. and Clinic	Poster	25-28 Jan 2024 Tehran
28	Monkey poxvirus and its vaccines	15th International congress of Medical Lab. and Clinic	Oral	25-28 Jan 2024 Tehran
29	Virome	15th International congress of Medical Lab. and Clinic	Poster	25-28 Jan 2024 Tehran

References:

1-Dr Seyed Mohammad Jazayeri MD, PhD

Professor of Clinical Virology

President of Iranian Network for Research in Viral Diseases (Affiliated to The Ministry Of Health)

Director of Research Center for Clinical Virology (RCCV)

Tehran University of Medical Sciences

Tehran-Iran, Zip Code: 1417613151

Telefax: +98-21 8899 2660

Mobile: +98-912 715 7291

2-Dr Mohammad Javad Rasaee

Professor of Clinical Biochemistry

Tarbiat Modares University

Tehran-Iran, Zip Code:

Telefax:

Mobile: +98-912 109 7512