Nasser Hashemi Goradel

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Personal information

Date of birth:
9/12/1990

Mariage status:
Married

Languages:
Azerbaijani
English
Persian

Summary

Ph.D. of medical biotechnology at Tehran University of Medical Sciences and Assistant Professor at Maragheh University of Medical Sciences. Experienced with all steps of the development of recombinant adenovirus production, titration, and purification. I use adjuvants and nanoadjuvants to develop facile and cost-effective therapeutic vaccines against cancers.

Skill Highlights

- Gel electrophoresis
- Bacteria cell culture
- Mammalian cell culture
- CsCl gradient ultracentrifugation
- Laboratory animals handling, drug administration and sampling
- PCR
- Bacteria transofmation
- Transfection
- TCID50
- Western blot
- Flow cytometry
- ELISA

Research areas of interest

- Oncolytic virotherapy
- Oncolytic adenovirus
- Cancer immunotherapy
- Vaccine
- Angiogenesis

Education

MSc (2012-2016): Medical biotechnology
School of Advanced Medical Sciences,
Tabriz University of Medical Sciences, Iran
Supervisor: Dr. Masoud Darabi
Thesis: "Effect of Stearic Acid on Markers of Hepatocyte Transplantation in Rat with Induced Liver Damage"

Ph.D. (2016-2022): Medical biotechnology
School of Advanced Technologies in Medicine,
Tehran University of Medical Sciences, Iran
Supervisors: Dr. Babak Negahdari, Dr. Arash Arashkia
Thesis: "Therapeutic efficacy of heterologous prime/boost vaccination using adenovirus as a carrier of HPV16 E7 epitope and CpG + E7 complex in a murine model"

Honors

- Second rank in Ph.D. entrance examination (national), In Medical Biotechnology by Ministry of Health and Medical Education,

Publications

- Jafari, Mahdie, Maryam Kadkhodazadeh, Mina Bahrololoumi Shapourabadi, Nasser Hashemi Goradel, Mohammad Ali Shokrgozar, Arash Arashkia, Shahriyar Abdoli, and Zahra Sharifzadeh. "Immunovirotherapy: The Role of Antibodies based Therapeutic Combination with Oncolytic Viruses." Frontiers in Immunology (2022): 6171.
- Goradel, N.H., Negahdari, B., Mohajel, N., Malekshahi, Z.V., Shirazi, M.M.A. and Arashkia, A., 2021. Heterologous administration of HPV16 E7 epitope-loaded nanocomplexes inhibits tumor growth in mouse model. International immunopharmacology, 101, p.108298.
- Khanlarkhani N, Azizi E, Amidi F, Khodarahmian M, Salehi E, Pazhohan A, Farhood B, Mortezae K, Goradel NH, Nashtaei MS. Metabolic risk factors of ovarian cancer: a review. JBRA Assisted Reproduction. 2022 Apr;26(2):335.
- Goradel, N.H., Alizadeh, A., Hosseinzadeh, S., Taghipour, M., Ghesmati, Z., Arashkia, A. and Negahdari, B., 2021. Oncolytic virotherapy as promising immunotherapy against cancer: mechanisms of resistance to oncolytic viruses. Future Oncology, 18(2), pp.245-259.
- Ghanaat, Momeneh, Nasser Hashemi Goradel, Arash Arashkia, Nasim Ebrahimi, Sajjad Ghorghanlu, Ziba Veisi Malekshahi, Esmail Fattahi, Babak Negahdari, and Hami Kaboosi. "Virus against virus: strategies for using adenovirus vectors in the treatment of HPV-induced cervical cancer." Acta Pharmacologica Sinica 42, no. 12 (2021): 1981-1990.
- Veisi Malekshahi, Z., Hashemi Goradel, N., Shakouri Khomartash, M., Maleksabet, A., Kardar, G.A. and Negahdari, B., 2019. CEA Plasmid as Therapeutic DNA Vaccination against Colorectal Cancer. Iranian Journal of Immunology, 16(3), pp.235-245.
- Goradel, N.H., Negahdari, B., Ghorghanlu, S., Jahangiri, S. and Arashkia, A., 2020. Strategies for enhancing intratumoral spread of oncolytic adenoviruses. Pharmacology & Therapeutics, p.107586.
- Goradel, Nasser Hashemi, Alexander T. Baker, Arash Arashkia, Nasim Ebrahimi, Sajjad Ghorghanlu, and Babak Negahdari. "Oncolytic virotherapy: Challenges and solutions." Current Problems in Cancer 45, no. 1 (2021): 100639.
- Ebrahimi Z, Talaei S, Aghamiri S, Goradel NH, Jafarpour A, Negahdari B. Overcoming the blood–brain barrier in neurodegenerative disorders and brain tumors. IET nanobiotechnology. 2020 Aug;14(6):441-8.
- Hashemi Goradel, N., Ghiyami-Hour, F., Jahangiri, S., Negahdari, B., Sahebkar, A., Masoudifar, A. and Mirzaei, H., 2018.

Nanoparticles as new tools for inhibition of cancer angiogenesis. Journal of cellular physiology, 233(4), pp.2902-2910.

- Goradel, N.H., Eghbal, M.A., Darabi, M., Roshangar, L., Asadi, M., Zarghami, N. and Nouri, M., 2016. Improvement of liver cell therapy in rats by dietary stearic acid. Iranian biomedical journal, 20(4), p.217.
- Goradel, N.H., Mohajel, N., Malekshahi, Z.V., Jahangiri, S., Najafi, M., Farhood, B., Mortezaee, K., Negahdari, B. and Arashkia, A., 2019. Oncolytic adenovirus: A tool for cancer therapy in combination with other therapeutic approaches. Journal of cellular physiology, 234(6), pp.8636-8646.
- Hashemi Goradel, N., Heidarzadeh, S., Jahangiri, S., Farhood, B., Mortezaee, K., Khanlarkhani, N. and Negahdari, B., 2019. Fusobacterium nucleatum and colorectal cancer: A mechanistic overview. Journal of Cellular Physiology, 234(3), pp.2337-2344.
- Goradel, N.H., Mohammadi, N., Haghi-Aminjan, H., Farhood, B., Negahdari, B. and Sahebkar, A., 2019. Regulation of tumor angiogenesis by microRNAs: state of the art. Journal of Cellular Physiology, 234(2), pp.1099-1110.
- Najafi M, Goradel NH, Farhood B, Salehi E, Solhjoo S, Toolee H, Kharazinejad E, Mortezaee K. Tumor microenvironment: Interactions and therapy. Journal of cellular physiology. 2019 May;234(5):5700-21.
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- Farhood B, Mortezaee K, Goradel NH, Khanlarkhani N, Salehi E, Nashtaei MS, Najafi M, Sahebkar A. Curcumin as an anti-inflammatory agent: Implications to radiotherapy and chemotherapy. Journal of cellular physiology. 2019 May;234(5):5728-40.
- Farhood B, Goradel NH, Mortezaee K, Khanlarkhani N, Najafi M, Sahebkar A. Melatonin and cancer: From the promotion of genomic stability to use in cancer treatment. Journal of cellular physiology. 2019 May;234(5):5613-27.
- Farhood B, Goradel NH, Mortezaee K, Khanlarkhani N, Salehi E, Nashtaei MS, Mirtavoos-Mahyari H, Motevaseli E, Shabeeb D, Musa AE, Najafi M. Melatonin as an adjuvant in radiotherapy for radioprotection and radiosensitization. Clinical and Translational Oncology. 2019 Mar 8;21:268-79.
- Najafi M, Hashemi Goradel N, Farhood B, Salehi E, Nashtaei MS, Khanlarkhani N, Khezri Z, Majidpoor J, Abouzaripour M, Habibi M, Kashani IR. Macrophage polarity in cancer: a review. Journal of cellular biochemistry. 2019 Mar;120(3):2756-65.
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