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In the Name of God

This is to certify that Razieh Sabagh

Presented the poster entitled " TRIM69 AS A SUITABLE CANDIDATE FOR IMMUNOTOXINS DESIGNING WITH WIDE RANGE TARGETS AS WELL AS OVARIAN CANCER " at the 17th International & Iranian Congress of Microbiology , Tehran, Iran, 23-25 August 2016

Dr. Abbas Ali Imani Fooladi
Executive Secretary

Dr. Pejvak Khaki
Scientific Secretary

P120 - 860: TRIM69 AS A SUITABLE CANDIDATE FOR IMMUNOTOXINS DESIGNING WITH WIDE RANGE TARGETS AS WELL AS OVARIAN CANCER

Razieh Sabagh[1], Aliakbar Haddad-Mashadrizeh[2], Samaneh Dolataabadi[3]

1. Department of biology, Science and Research branch, Islamic Azad University, Khorasan Razavi, Neyshabur, Iran
2. Cell and molecular biotechnology research group, institute of biotechnology, and Department of Biology, Faculty of Science, Ferdowsi University of Mashhad, Mashhad, Iran
3. Department of biology, Science and Research branch, Islamic Azad University, Khorasan Razavi, Neyshabur, Iran

Background and Aim: Cancers, as a major source of the mortality in the world, are causing by the various environmental and internal factors. So, there are various commercial or in developing approaches for diagnosis, prevention and treatment of these diseases in the global health network. In this regard, immunotoxin development is a promising and new method for targeting malignancies cells.

Methods: In this regard, comparative analysis on the in-silico expression of the cell surface specific antigens of the ovarian cancer led to reveal the high and specific expression of the MAGE4 for this type of cancer.

Results: Moreover, our survey for detection the corresponding ligands of the MAGE4, white string programs, led to reveal the PSMD10, TRIM69, UQCRB, CTAG1B, EID3, NSMCE4A, NSMCE1, UBC, MSX1 and MSX2 as specific ligands with suitable binding affinity to the antigen.

Conclusion: Nonetheless, ligands validation based on the length, affinity to the antigen, post-translation modification as well as topology of the ligands with corresponding molecule to the cells showed that the TRIM69 is an ideal candidate for immunotoxin development with ability to targeting MAGE4.

Keywords: Cancer, immunotoxin, antigen, ligand