

Research Projects :

- Cloning and expression of PpSP42+LmSTII fusion protein originated from *Phlebotomus papatasi* saliva and *Leishmania major* and evaluation of its protectivity against *Leishmania major* infection in BALB/c mice
- Preparation of mono clonal antibodies by hybridoma technology for diagnosis of *Leishmania* species in Iran
- Study of effector and suppressive immune responses in breast cancer to identify the role of different lymphocyte subsets in this cancer
- Evaluation of neutrophil cytokine response to promastigotes of *Leishmania major* and *Leishmania tropica*
- Comparative study of micro RNA in patients with tuberculosis, latent Tuberculosis and healthy individuals
- Evaluation of mucosal and systemic immune responses after oral administration of alginate-encapsulated *BCG* vaccine in BALB/c mice
- Immune responses in *Leishmania tropica*-infected BALB/c and C57BL/6 mice
- Expression of serotonin receptors and role of serotonin in colorectal cell lines and cancer tissue
- Set-up and validation of recombinant *Hepatitis B* Vaccine Potency determination by In vivo (mouse immunogenicity) and In vitro (Antigen content) Methods
- Study of cytokine profile and role of Fas, FasL, IL-12R in control of anthroponotic cutaneous leishmaniasis
- Identification and evaluation of leishmanial protective antigens via characterization of Th1 related immunoglobulins in mice and human
- study of cytokine profile and phenotype of leishmania responding cells in patients with visceral leishmaniasis
- Evaluation of Th1/Th2 response using sCD26/sCD30 in leishmaniasis
- Effects of IL-1 on cutaneous leishmaniasis in BALB/c mice
- Study of cell mediated immunity in patients with Rheumatic heart diseases