Insights in Clinical and Cellular Immunology

Volume - 5, Issue - 1

Research Article **Published Date:- 2021-05-13**

Medicinal plant Potentilla fulgens and its effect in vitro against Fasciola gigantica

Fascioliasis is a one of the most important serious parasitic zoonotic disease which caused by trematode giant liver fluke Fasciola hepatica and F. gigantica among cattle's and humans. The infection of Fasciola can be control by the use of phytochemicals as anthelmintic components. The anthelmintic activities of dried root powder of medicinal plant Potentilla fulgens and their different preparations (organic extracts and column purified fraction) are uses in vitro against liver fluke F. gigantica. The dried root powder, different organic extract, and column fractions were time and concentration-dependent. Among all the organic extracts, ethanol extract was high toxic than other organic extracts. The toxic effect of ethanolic extract of P. fulgens after 2h exposure the LC50 value is 5.22 mg/ml against F. gigantica. The column purified fraction of dried root powder of P. fulgens shows more toxicity. The 2h LC50 of column purified fraction was 3.25 mg/ml whereas in 8h exposure the LC50 is 1.24 mg/ml. The phytochemicals of the P. fulgens may be used as anthelmintic components against liver fluke F. gigantica.

Opinion **Published Date:- 2021-04-28**

Precision and personalized vaccines needed to face COVID-19 pandemic

Among the abounding lessons we learned from the SARS-C0V-2 pandemic is the uttermost determinant that people are not equal before the severity of COVID-19. Indeed, the disease course differs with age, gender, ethnicity, underlying clinical conditions and virus variants. Other diseases modifying factors are associated with genetic traits such as those driving the immune response, the blood groups, the coagulation system and the ACE2 receptor variants [1-4].

Opinion **Published Date:- 2021-01-08**

The use of the scientific method as dogma can be an obstacle in times of pandemic

Science is not inherently dogmatic. On the contrary, in our opinion and according to Bachelard, it often breaks with certain dogmas [1]. That is why it must have the necessary flexibility to be able to analyze and incorporate exceptional situations. In this regard, the current Coronavirus pandemic is an exceptional situation causing several thousand deaths a day.
