MMDR-5
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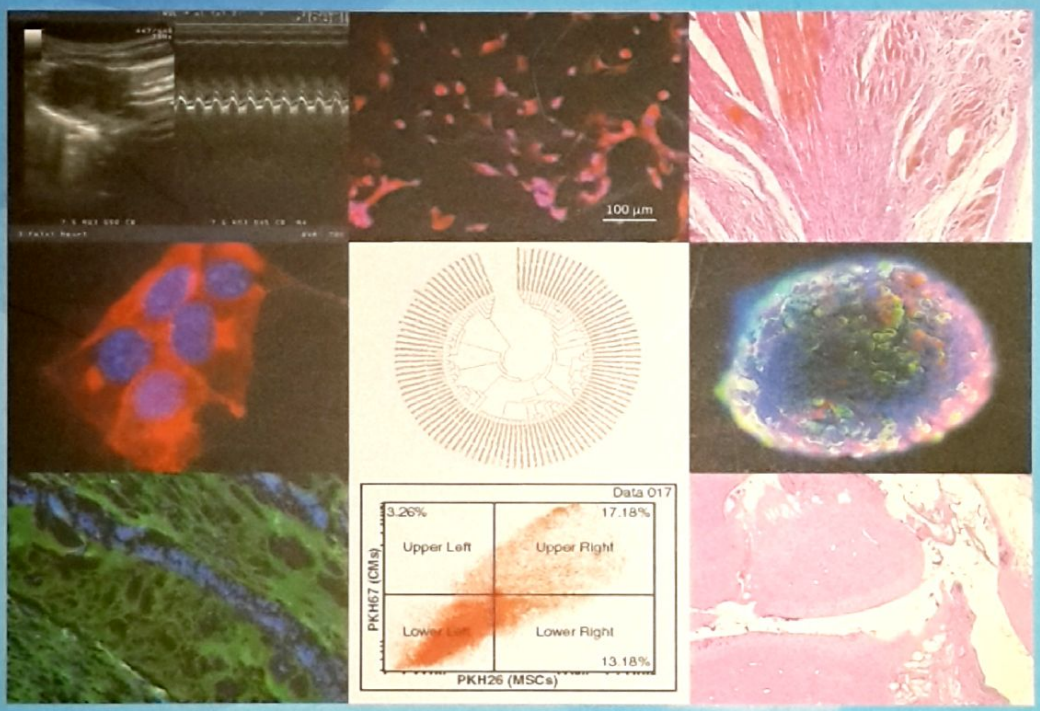
Abstracts, Program and List of Delegates



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Anti-diabetic Activity of Some Plants of the Genus *Climacoptera*

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It is known that the plants of the genus *Climacoptera* have long been used for artisanal mining of soda. It is autumn and winter fodder for camels. Chemical analysis of plant of genus *Climacoptera* mostly indicates their high nutritional value. We have investigated the aerial part of wooly *Climacoptera suberassa* and *Climacoptera obtusifolia (Chenopodiaceae)* collected during flowering in the Almaty region of the Republic of Kazakhstan. The aerial part (2,5 kg) of the plant *Climacoptera* was extracted to exhaustion exhaustively with ethanol (70%) by cold process at room temperature. Evaporated extract was diluted with water (55°C) and successively treated with hexane, chloroform, ethylacetate, and n-butanol. The condensed solution was diluted with water and treated successively with established that a qualitative chemical composition of the investigated different time allow offering the general scheme of separation and isolation of different classes of compounds such as triterpenoids, flavonoids, saponins, phenolic acids, and traces of coumarins were detected. The worked extracts (hexane and n-butanol) were screening to inhibition of PTP1B. The result indicated extracts have significant anti-diabetic activity. Investigation work from the worked extract continues.