Title of Seminars

Seminar 1. To view of creation gene engineering.To view of chromosomal engineering methods. (morphological, cytogenetically and molecular-genetically)

Seminar 2. View of cell engineering experimental issue basic to plants and animals selection and the methods of changing and addition of separate chromosome.

Seminar 3. Consider the introduction of instructional techniques into the genome of a particular species or varieties of any additional pairs of chromosomes of another species. The role of genetic engineering methods in coherent and incoherent evolution

Seminar 4. Selections principles in evolutionary theory. Biotsenotichesky crises and their causes, as a result of genetic engineering. Factors and driving forces of speciation in modern conditions, application of genetic engineering methodos.

Seminar 5. Influence of community to the evolution. Modification of internal and external environment of community. Internal and external factors of historical climatic changement and theiz role in organic evolution.

Seminar 6 Climate, climatic and environmental changement mechanisms, models of biosystems sustainable development. To consider the methods and ways of genes changement (transgenesis)

Seminar 7 To consider the methods of creation the special genetic constructions (vectors), in wich separated genes will introduce in another genes. To get acquainted with genes – promoters, terminators, and genes reporters, wich change the genes.

Seminar 8 Use of to create the form of useful agrocultural plants, sustainable for harmful insects. To carry out the reviewed of experimental methods of obtaining to bally extraordinary animals, which one father and mother, but more than one quantify of parents. (chimerical animals)