

For whom it may concern.

As a scientist worked in different fields like virology, immunology, enzymology, molecular biology, I am able to think different on the problem and have a broad spectrum of scientific and methodological experience. I am considered a command player and may cooperate with other people if I or they need it.

My scientific interests are in the field of immunology and molecular virology. Me and co-workers are developed the new scheme of protective immunization of mice against tick-borne encephalitis (TBE) using recombinant vaccinia virus and plasmid both carrying the NS1 non-structural TBE protein gene. Also we found that some fragments of NS1 protein could serve as immunogens and/or adjuvants to prevent TBE infection. As well I participated in the development of techniques (RT-PCR, ELISA) of simian immunodeficiency virus and SV-40 virus detection in simian sera and simian cell culture fluid. Together with Dr. Zhang we investigated some immunological properties of NS2B3 protein complex of Dengue virus.

My list of skills includes DNA/RNA purification technique, protein purification using immunoprecipitation, RNase protection assay, luciferase assay, transformation/basic plasmid manipulations skills, affinity chromatography, dialysis etc., antibody purification techniques, protein-DNA/RNA crosslinking using the chemically modified oligonucleotides, work with ³²P and ¹⁴C - DNA labeling, protein methabolic labeling and followed work, cell culture techniques, PCR and reverse transcription PCR, animal work (lab mice: intramuscular, intraperitoneal, subcutaneous immunization, bleeding, rabbit: intravenous, intramuscular, subcutaneous immunization, bleeding), microscopy - nnot familiar, used to use it for the cell growth observation and mycoplasma staining detection, virus cultivation in cells, bacterial endotoxin detection, mycoplasma staining technique.

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