

and abroad, as well as the presence of a unique collection of radiation-induced mutations of individual *D. melanogaster* genes, which are the genetic material for molecular genetic research within the project. The participation of young researchers in project also increases the likelihood of project implementation. The high scientific potential of the staff and the powerful scientific and technical base of JINR in the form of modern accelerators planned for use in the project are undoubtedly a reliable basis for the successful implementation of fundamental and priority research under the project.

*Conclusion*

The research suggested in the project is undoubtedly relevant, highly scientifically significant, in many respects a priority and certainly deserves support and funding in the requested amount.

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