

Minkabirova, Gulchachak Mavletovna

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Date of Birth: 1 5-12-1987



Education

Postgraduate studies

**Institute of theoretical and experimental Biophysics,
Russian Academy of Science.** Pushchino, Russia
Laboratory of radiation molecular biology, PhD student.
(2011-present)

Graduate Studies

Pushchino Institute of Natural Science, Pushchino, Russia
Laboratory of energy biosystems, Master student.
(June 2009- June 2011)

Undergraduate studies

Kazan State University, Kazan, Russia
Biology student
(June 2004- June 2009)

Research skills

Different methods of isolation and purification of DNA

Polymerase chain reaction (PCR) (5 year experience)

Real-Time polymerase chain reaction (Real-Time PCR, qPCR)

Temporal temperature gradient gel electrophoresis (TTGE)

Mismatch-specific endonuclease (CEL-I endonuclease)

Spectrophotometry

Extensive experience of Microsoft Word, Excel, Powerpoint, Statistica; Adobe Photoshop

Research interests

Pathways for maintenance of mitochondrial DNA and mitochondria, mutagenesis of mtDNA, changes in mitochondrial biogenesis and in the amount of mtDNA in the cells, mitophagy and change in its activity with organism aging

Publications

1. Minkabirova G.M., Abdullaev S.A., Gaziev A.I. Urine cell-free nuclear and mitochondrial DNA of ageing rats after irradiation. // Advances in Experimental Medicine and Biology, 2014. [Epub ahead of print]
2. Abdullaev S.A., Minkabirova G.M., Bezlepkin V.G., Gaziev A.I. Cell-free mitochondrial and nuclear DNA in urine of rats exposed to ionizing radiation. // International Journal of Radiation Biology, 2014 [Epub ahead of print]

ABSTRACTS, POSTERS AND PRESENTATIONS

1. Minkabirova GM Abdullaev SA, Bezlepkin VG Haziyeu AI Transrenal DNA as a possible agent for monitoring the effectiveness of radiotherapy of tumors. // Abstracts of the 8th All-Russian International Scientific-Practical Conference "Molecular Diagnostics in 2014." 2014.
2. Minkabirova GM Abdullaev SA Increased extracellular DNA in the urine of rats exposed to radiation. // Abstracts of the 18th International pushchinskoy school-conference of young scientists "Biology - Science of the XXI century". 2014.
3. Minkabirova GM Abdullayev SA // Abstracts of the VII Congress on Radiation Research. Moscow, 2014.
4. Minkabirova GM Abdullaev SA Analyse of transrenal mitochondrial DNA in rats exposed to ionizing radiation. // Thesis of the 17th International school conference of young scientists "Biology - the science of the XXI century". Pushchino, 2013.
5. Minkabirova GM Abdullaev SA Study of transrenal mitochondrial DNA in rats of postradiation period. // Thesis of the International Conference "Experimental and theoretical biophysics." Pushchino, 2013.