

Moryachkov Roman Vladimirovich

Curriculum Vitae

PERSONAL DATA

Position Engineer
Magnetic Phenomena Laboratory
Kirensky Institute of Physics
Krasnoyarsk, 660036 Russia

Date and place of birth February 21, 1988
Cheremushki, Krasnoyarsk region, Russia

Citizenship Russian Federation

Marital Status Married, daughter, son

Mobile +7-913-511-38-16

E-mail romanautilus@gmail.com
<http://orcid.org/0000-0002-0409-779X>
<http://www.researcherid.com/rid/L-8949-2015>
<https://scholar.google.ru/citations?user=tObBsEAAAAAJ>



RESEARCH INTERESTS

Structural biophysics, DNA/RNA aptamer, small angle X-ray scattering, SAXS, tertiary structure, synchrotron radiation, bimolecular imaging.

EDUCATION and DEGREES

09/2015 - 07/2017 SIBERIAN FEDERAL UNIVERSITY Krasnoyarsk, Russia
Master degree in science and engineering, Physics of magnetic phenomena

09/2004 - 07/2009 SIBERIAN FEDERAL UNIVERSITY Krasnoyarsk, Russia
Specialist in engineering, Management and informatics in technical systems

TRAINING EXPERIENCES

03/2016 - present National Research Center “Kurchatov Institute” Moscow, Russia
Visiting Researcher, DIKSI Station for SAXS investigations

AWARDS and PRIZES

2017 Fellow of the Vladimir Potanin Foundation

2017 Rank first in the International conference of students, graduate students and young scientists “Prospect Svobodny - 2017”, Section “Experimental physics and innovative technologies”

WORKSHOPS and CONFERENCES

2017 International conference of students, graduate students and young scientists “Prospect Svobodny - 2017”, Siberian federal university, Krasnoyarsk, Russia

2017 The international workshop on actual problems of condensed matter physics IWCMP-2017, Cheremushki, Khakassia Republic, Russia

2016 The russian scientific practical conference with international participation “Digital drugs cross-disciplinary research”, Krasnoyarsk State Medical University, Krasnoyarsk, Russia

2016 VI Euro-asian symposium trends in magnetism (EASTMAG-2016), Krasnoyarsk, Russia

2016 Synchrotron and free electron laser radiation: generation and application (SFR-2016), Novosibirsk, Russia

2016 International conference of students, graduate students and young scientists “Prospect Svobodny - 2016”, Siberian federal university, Krasnoyarsk, Russia

PUBLICATIONS

- **Moryachkov R.V.** “The dependence of the DNA conformation of the RE31 aptamer on temperature by the method of small-angle X-ray scattering” International conference of students, graduate students and young scientists “Prospect Svobodny - 2017” Electronic book of abstracts. 2017.
- **Moryachkov R.V.**, Tomilin F.N., Shchugoreva I., Spiridonova V.A., Peters G.S., Zabluda V.N. “Small angle X-ray scattering and atomic structure of aptamer biomolecules” The IWCMP-2017. Book of abstracts. 2017. - P. 14-15.
- **Moryachkov R.V.**, Spiridonova V.A., Zabluda V.N., Peters G.S., Sokolov A.E. “Method of small-angle x-ray scattering as applied to biological macromolecules.” Siberian medical review. 2016; (5): 102-103.
- Shchugoreva I., **Moryachkov, R.V.**, Zabluda V.N., Sokolov A.E., Spiridonova V.A., Gruzinov A., Zamay A.S., Veprincev D., Zamay G.S., Tomilin F.N., Ovchinnikov S.G. “Molecular design of aptamer structure by computer simulations.” VI Euro-Asian Symposium "Trends in MAGnetism" (EASTMAG-2016) : abstracts. 2016. - Ст. P12.2. - P. 558.
- **Moryachkov R.V.**, Spiridonova V.A., Zabluda V.N., Peters G.S., Sokolov A.E. “Small angle X-ray scattering on RE31 aptamer.” VI Euro-Asian Symposium «Trends in MAGnetism» (EASTMAG-2016) : abstracts. 2016. - Ст. P12.3. - P. 559-560.

SKILLS

Small angle X-ray scattering
Circular magnetic dichroism
IP video surveillance
Astronomy

SOFTWARE

PyMOL
ATSAS
GNOM
C#, C++ (basic)

LANGUAGES

Russian (native)
English (pre-intermediate, technical)

TEACHING EXPERIENCE

Technopark “Tvory-Gora” - Extended education teacher (astronomy, astrophysics)
Science-pop lectures (Information atomic energy center, NAUKA 0+ festival, etc.)

HOBBIES

Astronomy, telescope, workout, tourism, science.