

## Letter of recommendation

Dear Admission Committee,

I am pleased to provide my support for Eleonora Sadykova in her application. I have had the privilege of knowing Eleonora since her enrollment as a Master's student in September 2019 in my laboratory, the Laboratory of Laser Biospectroscopy at the Prokhorov General Physics Institute of the Russian Academy of Sciences (GPI RAS). During her time here, Eleonora worked on her Master's project under my supervision, which focused on analyzing the effect of photoactivated iron oxide nanoparticles on the metabolism of immunocompetent cells for their control using photodynamics. As a result, she received an excellent mark for her master's thesis at the National Research Nuclear University MEPhI.

Throughout this period, Eleonora consistently showcased her exceptional qualities as a talented young researcher and diligent student. She acquired a diverse range of techniques related to biophotonics, laser physics, and biology, including confocal laser scanning microscopy, fluorescence-lifetime imaging microscopy, optical microscopy, cell culturing, and immunocytochemistry. In her work on her dissertation, Eleonora demonstrated discipline, expertise, seriousness, responsibility, and a strong work ethic in the field of laser physics. She possesses contemporary methods and applies her solid foundation in physics and mathematics to practical applications. Eleonora is self-reliant, efficient, and maintains excellent relationships with her colleagues, displaying courtesy, benevolence, and integrity. She has rightfully earned the respect of the laboratory staff.

Eleonora presented the results of her research from 2020 to 2021 as reports at notable scientific conferences, such as ALT'21 and the V International Conference on Ultrafast Optical Science, specifically the symposium on "Molecular Imaging."

Furthermore, I would like to emphasize Eleonora's profound knowledge of physics and biochemistry, which distinguishes her as an outstanding student with whom it is a pleasure to discuss scientific problems, even complex ones. She consistently raises relevant questions during laboratory meetings and engages in meaningful discussions with other students and myself.

Overall, I firmly believe that Eleonora is a gifted student with significant research potential, making her an exceptional candidate for the PhD Program. I am confident that she would excel working in a well-qualified laboratory. Should you require any further information about the applicant, please do not hesitate to contact me.

Sincerely,

Dr. Anastasia Ryabova,



Senior Researcher at the Laboratory of Laser Biospectroscopy, GPI RAS

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