

**«Wearable devices for the study of blood microcirculation in the human body:
on Earth and in space»**

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The lecture will consider the use of wearable optoelectronic devices developed on the basis of fundamental research in the field of biomedical optics and designed to study blood microcirculation systems in biological tissues and organs of the human body. The main approaches for assessing the parameters of blood microcirculation and metabolic processes in biological tissues will be demonstrated. Listeners will be able to see examples of the use of wearable devices both in clinical practice (endocrinology, post-COVID rehabilitation, yoga therapy) and in space medicine – will be shown the results of the experiment aboard the International Space Station during the visiting expedition in December 2021.