

# SUMMER CAMP IN NANOSTRUCTURES FOR BIOMEDICAL AND SENSOR APPLICATIONS

National Research ITMO University

Language of study: **English**

Mode of study: **full-time**

Duration: **2 weeks**

Availability of free education: **no**

Price: **31,500 RUB (~350 euro)**

Programme webpage at the university website: <https://schools.itmo.ru/en/school/30/>

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**Place of Study:** ITMO University

**Language:** English

**Duration:** August 9-20, 2021

**Outcome:** ITMO official certificate, 4 ECTS

**Deadline:** June 1/ June 15, 2021\*

**\*June 15, 2021** – for citizens of visa-free countries, EU countries, India, Iran, China, Japan, Switzerland, and Norway.

**June 1, 2021** – for citizens of other countries.

The two-week summer camp in Nanostructures for Biomedical and Sensor Applications offers theoretical and practical skills in synthesis, characterization, and study of quantum semiconductor nanocrystals, plasmonic and magnetic nanoparticles, as well as hybrid structures based on them, which are promising for theranostic systems and sensors. Lectures and workshops will be delivered by leading scientists in the relevant fields at ITMO University.

Students will be actively engaged in the bio- and sensor-nanoworld and will observe nanostructures as interdisciplinary objects, understanding of which requires the combined expertise in physical chemistry, biology, theoretical and experimental physics. The school will take place on-site, so students will also be able to visit St. Petersburg, one of the most beautiful cities in Russia.

## Admission Requirements

Undergraduate (3rd year and above), graduate, PhD students, and experts in the following fields: fundamentals of optical spectroscopy and microscopy. Basic knowledge of solid-state physics, methods of synthesis and nanostructure.

## Application Documents

- Copy of your valid passport
- Motivation letter
- CV
- Passport photo (jpg or png)

## **Specializations within this programme**