**Key Information**

**Duration:**
4 years (this period can be shorter depending on the availability of a PhD thesis)

**Language:**
English

**Entry Requirements:**
Master's degree in Biophysics, Biology, Biological Engineering, Physics, Ecology, Biochemistry, Chemistry, Bioinformatics, an adequate level of English proficiency (certificate or another document)

**Tuition fees (2015/2016):**
€ 1850 (the cost does not include accommodation and living expenses).

**Accommodation:**
on-campus accommodation is available.
Costs (2015/2016):
single ensuite room: €45 per month,
twin ensuite room: €30 per month.

**Practicalities:**
airport transfer, an invitation letter to apply for a Russian study visa and an optional survival course of Russian as a foreign language are provided by Siberian Federal University.

**Further details:**
SibFU’s Graduate School  
aspirantura@sfu-kras.ru,  
tel.: +7 391 291-28-31

**Programme Leader**

Professor Valentina Kratasyuk’s research interests are mechanisms of bioluminescence, bioluminescent enzymatic biosensors, enzymatic toxicity bioassays, bioluminescent analysis, biotechnological design, biochemistry, science education, history of sciences, immobilization of enzymes.

**Overview**

Doctoral students do research at the Bioluminescent Biotechnology Laboratory under the supervision of Professor Valentina Kratasyuk. Their research focuses on studying the chemical nature of light emission by luminous bacteria and other luminous species, modeling the enzyme metabolism in cell hyaloplasm, developing new generations of bioluminescent biosensors for environmental monitoring and medical diagnostics and other issues of bioluminescence research.

**Contacts**

Prof. Valentina A. Kratasyuk  
Head, Department of Biophysics,  
Institute of Fundamental Biology and Biotechnology  
Siberian Federal University,  
Tel.: 7(391) 206-20-72, 206-23-07,  
E-mail: valkrat@mail.ru
Key publications

Krasnoyarsk

Krasnoyarsk is the administrative capital of Krasnoyarsky kray, the second largest region in Russia. It is a big industrial and educational centre with a population of more than 1 million people. It is also an important junction of the Trans-Siberian Railway.

The city is located on the Yenisey River in the valley formed by the Eastern Sayan Mountains. Nature reserve Stolby has become the city’s famous landmark.

Krasnoyarsk will host the XXIX Winter Universiade 2019.

University

Siberian Federal University (SibFU) with over 35 000 students is one of the most vibrant Russian universities. Annually, more than 200 visiting professors – leading researchers from the UK, Germany, Spain and USA – visit SibFU to give lectures and attend conferences. Siberian Federal University receives funding from the RF Government that supports research projects developed under the supervision of prominent Russian scientists and international researchers.

One of the research projects is carried out at the Bioluminescence Biotechnology Laboratory created in 2012 and supervised by Professor Osamu Shimomura (USA, Nobel Prize in Chemistry) and Professor Valentina Kratasyuk. The laboratory staff includes SibFU’s professors Joseph Gitelson, Lyudmila Frank, Eugene Vysotskii, Vladimir Bondar, Valentin Petushkov, Sergey Bartsev, Petr Belobrov, Elena Nemtseva, Elena Esimbekova, Irina Sukovataya.