

## KEY COMPETENCES

### Natural sciences expert

You will learn more about interconnection of physics, chemistry, biology and mathematics in solving global challenges, for example:

- The planetary role of photosynthesis and how to manipulate the light to obtain bigger harvest;
- Influence of temperature and energetics on human health and behavior;
- The ways how to operate with light to take amazing photos;
- Use of bio wastes as an alternative source of energy;
- And other real life challenges related to life sciences.

### Competence

#### Research skills

- Critical thinking, public speaking and logical reasoning;
- Understanding of the methodology for collecting and analyzing data in interdisciplinary areas;
- Design and rationalize experiment.

### Competence

#### Communication skills

- Ability to present and debate (in English);
- Ability to communicate across cultures and work in (international) team.



36 Lenin Ave., Tomsk, Russia  
TSU Main Building, Room 201  
Tel.: 00 7 (3822) 526 359

Only this year!



The Program is financed by TSU & you have the unique chance to join it only for **6000** RUB

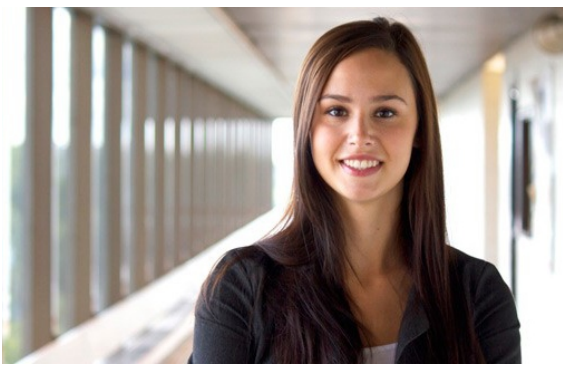


## 10 FACTS ABOUT TOMSK INTERNATIONAL SCIENCE for life HONOR'S PROGRAM

1. The program is for highly motivated students with a passion for the natural sciences.
2. 1-year completely taught in English.
3. International classrooms and outlook.
4. Lectures given by the world-leading scientists.
5. Learning in small teams of 10-12 students.
6. Introduction to a new interactive way of learning .
7. Academic advising – tutors with international scientific experience.
8. Creation of your own research project.
9. Solving global social challenges.
10. International Science Honor's Program equips you with the knowledge and skills you need to succeed in entering international interdisciplinary program in Russia or abroad.

## TOMSK INTERNATIONAL SCIENCE for life HONOR'S PROGRAM

*Enjoy Studying Science!*



## IF YOU ARE

- 16 years old and more;
- fluent in English and excellent in studying;
- looking forward to a new experience;
- eager for self-development;
- enthusiastic and talented;
- willing to contribute actively to TSU international community ...then Honor's Program is for you!

## EACH BLOCK CONTAINS

- real-life issues to be solved;
- 4 h lectures from world-leading experts;
- 24 h of work guided by tutors with international scientific experience;
- 48 h individual work in small teams;
- upon completion of the Program, you will be awarded with the Tomsk International Science Honor's Program Certificate.

## STRUCTURE OF THE PROGRAM

The program includes three **Science for life** blocks:



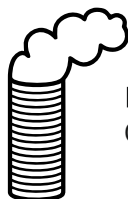
### Light and colour

5 Nov. – 20 Dec. 2019



### Energy and temperature

17 Feb. – 03 Apr. 2020



### Pollution

06 Apr. – 22 May 2020



**Student Project**  
in June 2020



## THE WORLD-LEADING EXPERTS OF THE PROGRAM

### Herman Kingma (the Netherlands)



Emeritus Professor at Maastricht University, The Netherlands, appointed for vestibular research. Prof. Kingma developed the first human vestibular implant in the world.

### Terence Vincent Callaghan (the United Kingdom)



Honored Research Professor and member of the Royal Swedish Academy of Sciences, Nobel Peace Prize laureate. In 2017, after 50 years of Arctic research, Prof. Callaghan was awarded the International Arctic Science Committee Medal for 'outstanding contributions to international Arctic science collaboration'.

### Floris Wuyts (Belgium)



Full professor - Head of LEIA (Lab for Equilibrium Investigations and Aerospace), University of Antwerp.

...and many others!

## STUDENTS ABOUT THE PROGRAM

"...Tomsk International Science Program is a great opportunity for students to work in an international team, which is led by the University of Maastricht and other Universities. Working in teams is always interesting, it gives you an opportunity to exchange with ideas, because people in a group are different and the way they think is also different."  
**Sony Himanshu (India)**

"...I think it is very important to study in an interdisciplinary field, because in real life the problem is not really to be for one expert to solve it. Studying in an interdisciplinary field we practice to collaborate with people from other fields to make a better solution for the problem we are facing."  
**Shih Yi-Chen (Taiwan)**

"...Team working has a lot of advantages, such as sharing ideas, more productive work, opportunity to save time and concentrate on the problem."  
**Andrei Dutov (Russia)**

