

PROGRAM 2018/19

# SCIENCE YOU<sup>TH</sup>

RESEARCH: TOMORROW THE WORLD -  
AND TODAY IT'S YOU!

**You see yourself as a future researcher. Why wait?**

You can work with real scientists and become a researcher today. If mental health is a topic that interests you, then welcome aboard (for ages 16 and up, in school or training). Maybe you'll come up with a brilliant idea for your pre-scientific work. You may even win the first SCIENCE4YOU<sup>TH</sup>-Award.



Ludwig Boltzmann Gesellschaft

## YOU AS RESEARCHER - YOUR PROGRAM!

Some people become influencers, and some become YouTubers. Good thing that some also become researchers! (Of the three, they're what humanity needs most!) What else is needed? Knowledge. And where does knowledge come from? From all of us. Imagine being able to compile all of knowledge in the world – and how easier research would be then!

The Open Innovation in Science project of the Ludwig Boltzmann Gesellschaft is the kind of exciting experiment that is fueled by the world's knowledge. We need better research of one of the most pressing issues of our time: mental health! That's why researchers have spent months collecting knowledge from people in 83 countries – whether doctors, neighbors or grandmas: Every contribution was valuable.

### **BUT NOW IT'S RESEARCH TIME! THIS IS WHERE YOU COME IN!**

During this Phase II, you can join in the research for two semesters. You will assist scientists who have just begun developing the topic of children of mentally ill parents. You will be familiarized with the methodology and articulate your research question. Then the work begins.

### **THE NEXT SCHOOL BREAK IS SURE TO COME!**

You can complete a two-week internship with a research group in Krems or Innsbruck during the 2019 summer vacation. By then, your research project will be in the home stretch, and then, with work and a little luck it can win the

### **SCIENCE4YOU™-AWARD!**

This award will be presented for the first time; along with other great prizes, it is the highest award of its kind in Austria. The award will be presented at the closing event of SCIENCE4YOU™.

### **OFF TO THE FLIPPED CLASSROOM!**

"Flipped Classroom" means that you acquire knowledge in online modules. There are interactive videos, presentations and quizzes to help you. You can already interact with scientists and the other young researchers in the online forum. But nothing beats real meetings. You will meet with your research group regularly in Vienna.

## YOUR PERFORMANCE, YOUR CERTIFICATE!

After completing all the modules, you will receive a certificate describing the research question you investigated. Who knows who you're going to impress with that?! We'll certainly be impressed from the first moment on.

Important: Participation is free; you will need to finance your travel and lodgings (to the research group and internship) on your own.

## WAIT! THERE'S SOMETHING MORE!

Speak with your parents before you decide. For their sake and for yours, it's important to make sure no information or data are collected about you (beyond your normal contact data). The project is about mental health, and that means it's also about mental illness. Even if the theme of the research groups is Children of mentally ill parents, no one expects you to contribute your own personal experience – if you have any on this subject. (Check the contents of the modules on the following pages.)

## ARE YOU WITH US?

Here's where to register: Scan the QR code or register until August 20th on this website: [ois.lbg.ac.at](https://ois.lbg.ac.at)

Or would you like to inquire first?

*Here's the person to contact:*

Raphaela Kaisler

Email: [raphaela.kaisler@lbg.ac.at](mailto:raphaela.kaisler@lbg.ac.at)

Tel.: +43 (0) 1 513 27 50-62



## RESEARCH GROUPS:

Here's what research groups at Ludwig Boltzmann Gesellschaft do: At two research locations, in Krems and Innsbruck, researchers are exploring the best ways to help the children of mentally ill parents.

### DOT-DIE OFFENE TÜR (THE OPEN DOOR) - KREMS

What happens between primary school and secondary school? Friendships are lost, and a new chapter in life begins, full of uncertainty. In the research project, scientists are working on an online program with accompanying school materials for children 9-12 years of age. These children have a particularly difficult time of it if their parents are mentally ill. The objective is to help these children find their place socially while reassuring them that they will not be forgotten. DOT is a research program designed to promote social bonds between people. The best way to explain this is to listen to the children in the video at [dot.lbg.ac.at](http://dot.lbg.ac.at) themselves.

**Research Group DOT – Die offene Tür**  
Karl Landsteiner University  
Doktor-Karl-Dorrek-Straße 30  
3500 Krems an der Donau  
[dot.lbg.ac.at](http://dot.lbg.ac.at)

### THE VILLAGE - INNSBRUCK

*It takes a whole village to raise a child. Diese Weisheit geht auf mehrere afrikanische This wisdom can be traced to several African proverbs.*

No child is ever lonely in a village. At the Medical University of Innsbruck, researchers are considering the question of what a child of mentally ill parents needs to have his or her village. How can this child be recognized and sustained by his or her surroundings? What can the village do to help ensure that the child feels comfortable and can develop well in spite of the strains of the parental home? Over a four-year process, The Village is developing a program for affected children so that they can grow up safely and securely, the way they would in a village. Go to [village.lbg.ac.at](http://village.lbg.ac.at) to meet two researchers.

**Research Group Village**  
Medical University of Innsbruck  
Anichstraße 35, Vinzenzhaus 11  
6020 Innsbruck  
[village.lbg.ac.at](http://village.lbg.ac.at)

# MODULE OVERVIEW PAGE

## KICK-OFF

**DATE:** SEPTEMBER 14, 2018 - 2:00-4:00 P.M. **CITY:** VIENNA

It's starting. Meet fellow SCIENCE4YOUTH participants. You'll be part of the research group. Scientists – your coaches – will introduce you to the topic. You'll be familiarized with the online tools of the training program.

## MODULE 1: SCIENCE AND SOCIETY

What happens in research? What can you do to contribute now? And why should the public be involved in research? With Citizen Science and Open Innovation in Science, you will learn breakthrough new approaches to research. To aid understanding, there are examples from practice.

**LEARNING MODE:** ONLINE - **TIME PERIOD:** SEPTEMBER/OCTOBER 2018

LEARNING GOAL

Now you actively understand terms in research. Take an online quiz to show what you know. You can outline research processes by yourself. Now, pick a research project and report to other participants in your first blog post.

## MODUL 2: FROM IDEA TO RESEARCH QUESTION

From idea to question, from question to research. To formulate a research question of your own, now you'll need instructions from scientists. Once you've checked the quality of your research question, it's time for your second blog post.

**LEARNING MODE:** ONLINE - **TIME PERIOD:** OCTOBER/NOVEMBER 2018

LEARNING GOAL

You can translate your idea into a research question. You state the question properly and run a 360-degree check on the result. Your blog post will inform the community.

## MODULE 3: CASE STUDY

Good, outstanding or unsatisfactory? In this module, you will learn to assess the quality of a research question. Analyze the strengths and weaknesses of a research project under the instruction of your science coaches. You will learn the benefits of a crowdsourcing project (through public survey.) You work both independently and in your group.

**LEARNING MODE:** ONLINE AND IN-CLASS - **TIME PERIOD:** NOVEMBER/DEZEMBER 2018

**IN-CLASS MEETING:** DECEMBER 7, 2018 - 2:00-5:00 P.M. - **CITY:** VIENNA

LEARNING  
GOAL

You recognize the quality of research projects. You know what needs to be done to improve research projects.

## MODUL 4: TOOL-BOX

The research question is in place, and it is waterproof. But this is where the practical work begins. You learn to structure, conduct, and evaluate interviews. You will use the tool of the online survey. You learn how to investigate through participant observation

**LEARNING MODE:** ONLINE - **TIME PERIOD:** FEBRUARY 2019

LEARNING  
GOAL

You're familiar with research methods, you can collect data from interviews and can test your new skills in a quiz. And yes: you write a blog post about it.

## MODUL 5: YOUR OWN RESEARCH PROJECT

Now you're in the home stretch. Your research project on mental health is concrete. Your science coaches help you with practical application of the tools. They will guide you through to evaluation of the data that has been collected.

**LEARNING MODE:** ONLINE AND IN-CLASS - **TIME PERIOD:** MARCH-JUNE 2019

**IN-CLASS MEETING:** MARCH 1, 2019 - 2:00-6:00 P.M., MAY 10, 2019 - 2:00-6:00 P.M. - **CITY:** VIENNA

LEARNING  
GOAL

You have the theoretical basics and can build on these in a practical way. Thanks to the right tools, you have collected data, and now you interpret the data using the best research approach. And you report to the community on this in a blog post.

# CLOSING AND SCIENCE4YOU<sup>TH</sup> AWARD

**DATE:** JUNE 14, 2019 - 2:00-7:00 P.M.

You have successfully completed the training program and assisted scientists in their work. That's something to celebrate! You will be presented with your individualized certificate. Maybe you and your research project have even won the SCIENCE4YOU<sup>TH</sup> Award! After the official part and the awards ceremony, you can party over snacks & drinks with fellow participants and your science coaches.

## MODULE 6: YOUR RESEARCH INTERNSHIP

Practice follows theory. This is where you apply what you've learned. You will accompany an interdisciplinary research group during their project work for children of mentally ill parents. You help them develop games, interview guidelines or learning aids. Your experience will help create valuable measures for children who urgently need them. To do this, you'll go to the university: For two weeks in July or August 2019, you will be an intern at Karl Landsteiner University or the University of Innsbruck.

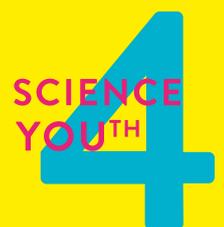
LEARNING  
GOAL

You help design research and can confidently apply the theory you've learned. You deliver feedback on the modules, and that helps perfect the SCIENCE4YOU<sup>TH</sup> research program.

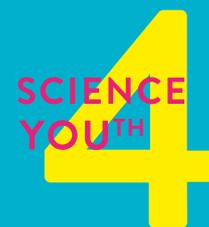
**TIME PERIOD:** 2 WEEKS IN JULY/AUGUST 2019 (BY INDIVIDUAL ARRANGEMENT)

**LBG Research Group DOT – Die offene Tür** ☞  
Karl Landsteiner University  
Doktor-Karl-Dorrek-Straße 30  
3500 Krems an der Donau

**LBG Research Group Village**  
Medical University of Innsbruck  
Anichstraße 35, Vinzenzhaus 11  
6020 Innsbruck



# SCHEDULE PAGE



## KICK OFF

SEPTEMBER 14, 2018 - 2:00-4:00 P.M.

## MODULE 1

SCIENCE AND SOCIETY  
SEPT./OCT. 2018 - ONLINE

## MODULE 2

FROM IDEA TO RESEARCH QUESTION  
OCT./NOV. 2018 - ONLINE

## MODULE 3

CASE STUDY  
NOV./DEC. 2018 - ONLINE  
DECEMBER 7, 2018, 2:00-5:00 P.M., IN-CLASS MEETING

## MODULE 4

TOOL-BOX  
FEBRUARY 2019 - ONLINE

## MODULE 5

YOUR OWN RESEARCH PROJECT  
MARCH/JUNE 2019  
MARCH 1, 2019 - 2:00-6:00 P.M., IN-CLASS MEETING I  
MAY 10, 2019 - 2:00-6:00 P.M., IN-CLASS MEETING II

## CLOSING AND SCIENCE4YOU<sup>TH</sup> AWARD

JUNE 14, 2019 - 2:00-7:00 P.M.

## MODULE 6

YOUR RESEARCH INTERNSHIP  
2 WEEKS (JULY/AUGUST 2019 - - BY INDIVIDUAL ARRANGEMENT)