

Dear participants, project/swapshop leaders and lecturers,

Less than two weeks before we begin our science adventure! Hope you are as excited as we are! On the last page you will find a couple of pictures of our host town, Požega. Did you know that in 1960s for the very first time in the world a chocolate with rice was produced in a chocolate factory in Pozega? Even today it is being produced and you can of course buy it everywhere in Croatia (but nothing tastes like the one from Požega!).

Looking forward to sharing one soon with all of you,
Matilda & Jelena

IN THIS ISSUE MEET:

PARTICIPANTS

Dávid Palcsó, Hungary
Dóra Laczi, Hungary
Magdalena Živković, Croatia
Mario Zelić, Croatia
Mihaela Mihaljević, Croatia
Oriol Navarro Travesset, Spain

SWAPSHOP LEADERS

Lucija Bujanić, University of Zagreb, Croatia
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PROJECT LEADERS

Maja Jokić, University of Belgrade, Serbia
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TECHNICAL ASSISTANT

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LECTURERS

Claire Limoge Schraen, Ecole Centrale de Nantes, France
Matthias Klinger, AMGEN Research (Munich) GmbH, Germany

DÁVID

Hi there!

My name is Palcsó Dávid, I'm 18 and I come from Szolnok, Hungary.

To be honest, it is quite difficult to introduce myself as I don't know where to start, but I'll surely do my best.

As for my scientific interests, I find Maths and Physics to be the fields of science that are the closest to me. I've just finished high school in a so-called special-mathematics class (fancy name, but we just had a little more Math lessons than the others, around twice the amount) and am currently preparing for studying Physics from September at Eötvös Loránd University. My long-term endeavor and goal is to become a particle physicist and work at CERN.

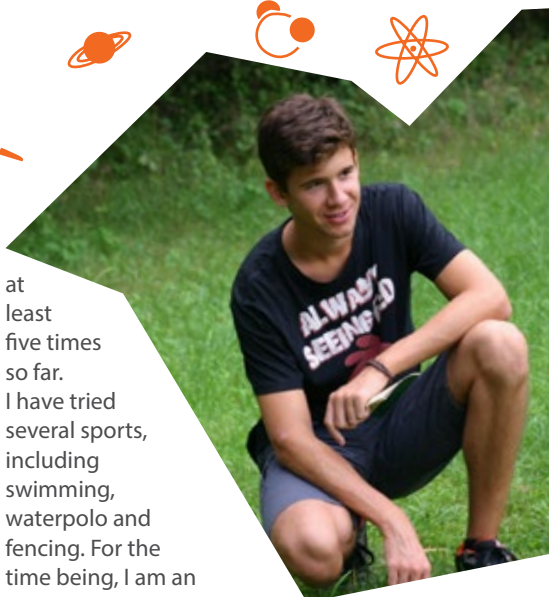
I'm totally into music, and by saying that, I mean I listen to music every time I have the opportunity to do so. I have also been playing the guitar for a little less than a year and I had been playing the piano for 8 years before I stopped it. My favourite genres are rock and metal, but I don't despise any other. The thing that surprised even me is that I particularly like instrumental music (especially Morrowind, Oblivion, Skyrim and The Witcher 3 soundtracks).

I also love books, I am reading Odussey currently. My all-time favourites are Iliad, Harry Potter and the half blood prince, Dan Brown – The Da Vinci Code and Géza Gárdonyi – Eclipse of the Crescent Moon. I have read these books

at least five times so far. I have tried several sports, including swimming, waterpolo and fencing. For the time being, I am an amateur runner aiming for completing a half marathon this year, and maybe a full marathon next year. Moreover, I am keen on archery. I also love basketball, both playing and watching (especially NBA).

I also love taking photos. I love and always strive for finding unusual angles and aspects which may make the understanding of the picture a little more twisted.

That's all folks.
Excited to meet y'all!



DÓRA



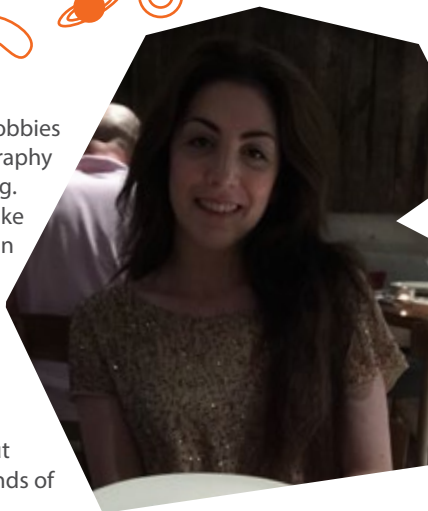
Hello everyone, I am Dóra! :)

I am finishing high school this year in Budapest, which is also my hometown. (Go Hungary!)

I believe that I have at least one thing in common with you guys: our passion for science! :) Let me start my introduction with that. A few years ago the mysteries of pharmacology captured me and still guiding me further into the world of science. In this spring I was attending at a pharmaceutical experiment at the University of Semmelweis. I am a huge fan of the brightest mind of our history, like Stephen Hawking, Charles Darwin or Pasteur. I really hope that one day I can achieve a big scientific discovery like they did. I am planning to continue my studies in the UK, for a start.

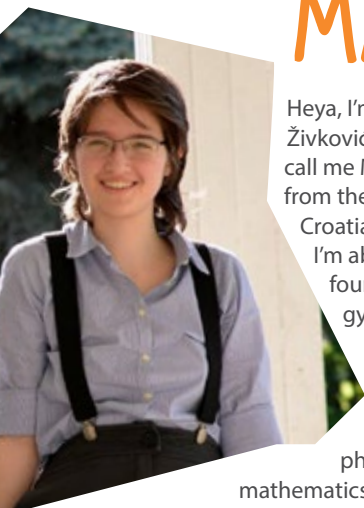
Apart from sciences I enjoy cooking and baking whenever I can. (But literally whenever I can)

My other hobbies are photography and painting. Of course, like every person who is interested in sciences I also enjoy reading articles and books about different kinds of topics.



However, what I am now the most interested in is this year's summer camp with all of you! :) Can't wait to meet everyone. See you soon!

MAGDALENA



Heya, I'm Magdalena Živković, but you can call me Megi. I come from the biggest city in Croatia, Zagreb, and

I'm about to start my fourth year in the xv. gymnasium.

My main scientific interests include physics, politics and mathematics, in that order.

Although I've always been interested in how things work and wolfed down documentaries of all sorts as a child, I only discovered my passion for physics a couple years ago, when I was working on a project for the International Young Physicists' Tournament.

This year, I even got to lead my own team to the heart of Russia. I plan to one day be a physics researcher, but if that fails, a politician, or maybe a traveling musician.

Besides in physics related shenanigans, I am also really involved with my school's debate club. We mostly end up going for coffee on a weekly basis, much to the delight of local coffeshop owners, but I've also participated in a dozen or so tournaments, both national and international. When I catch some free time, I like to sleep (a single womanly tear rolls down my cheek), play the violin, draw and paint with watercolors or read comics, both western and manga. I prefer dark dystopian storylines, so I'm currently head over heels over the 'Dogs:bullets&carnage' manga.

I hope we get along, see you all soon!

MARIO

Hi everyone! My name is Mario Zelić and I was born in Požega, Croatia (the same town where the Summer School is being held.) I just finished the third grade of Mathematical high school Požega. This is going to be my second time attending the Summer School and I'm very excited because I have a lot of great experiences from last year.

My interest in science started a long time ago, even before primary school because I loved watching documentaries about space and dinosaurs. Over the years I went back and forth between humanistic and natural sciences since I couldn't make up my mind. Right now I'm mostly concentrated around biology and chemistry while physics and computer science are roaming



behind. I owe to my teachers in high school for backing up my interest in these fields and enabling me to get a lot of knowledge from them.

In my free time I enjoy listening music (rock and metal mostly), reading books (sci-fi and criminalistic) and watching films and series (popular ones like Game of Thrones, and the unpopular ones like Heroes).

Looking forward to meeting you all soon!



MIHAELA

Hello, my name is Mihaela Mihaljević and I come from small town Dugo Selo which is near Zagreb, the capital city of Croatia.

This year I graduated from II. Gymnasium in Zagreb and in October I will start my study in molecular biology at Faculty of science which is under the

University of Zagreb.

As a decision to study molecular biology is pointing, my biggest passion is biology, even though chemistry is not far behind. Animals, mushrooms, plants, bacteria... Learning and researching everything about them is what makes me happy and fulfilled. In the future I

see myself as a scientist breaking through the unknown and maybe even discovering new species or medicine, who knows.

I like to spend time with my family, friends, cat Cleopatra and her three unnamed kittens (if anyone wants one, just contact me :). Also I am learning, or at least trying to learn, Spanish and Scottish Gaelic.

I am really looking forward to July 30th when I will meet you all and the following days when we will work and learn together.

This would be it, I hope it is enough. If I need to add or change something, just let me know and I will try to do it as quickly as possible.

Greetings from Bavaria,

Mihaela





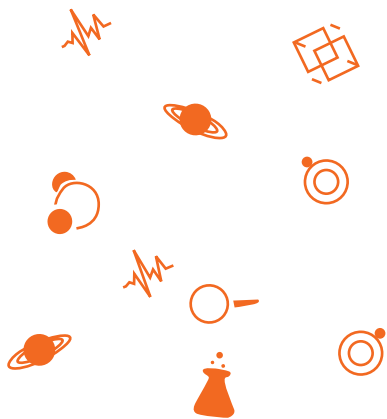
ORIOR

Hi everybody! My name is Oriol, and I come from a little village in Catalonia (Spain) called Vimbodí (although I was born in Barcelona 17 years ago!). I have just finished my last year in highschool, so in September I will start studying in the University (UPC in Barcelona). To be more precise, I will study a double degree in Mathematics and Physical Engineering, since I love both of these fields.

My passion for science started when I was just about to begin my International Baccalaureate Diploma course, which I took in Girona (an important city in Catalonia). I studied both physics and mathematics in a higher level, and I found these two subjects really interesting. However, I also like other scientific fields such as Biology or Chemistry, because I believe that the scientific duty is to learn about our world and its mechanics through different points of view.

Talking about me in more detail, I'm a very optimistic person and I love meeting different people and hanging out with them. I love listening to music and I usually go running every day. I've never been in Croatia before, so I'm looking forward to it, since I would also like to visit as much countries as I can.

And, of course, I am looking forward to meet all of you in two weeks! Have a great summer, kisses from Spain!



LUCIJA

Hi there!

My name is Lucija and I am a first year university student of Molecular Biology at the Faculty of Maths and Science in Zagreb.

Ever since I was young, I've shown great interest in understanding things and processes around me and during my school years, as I was introduced to science, the desire to do so only got bigger. At first, it was chemistry that fascinated me the most, but later on, I've gotten quite interested in biology, as well. Especially its evolutionary aspects, a subject which I still find very interesting and love to explore. Both chemistry and biology are extremely important branches of science and are connected in many ways so I am very happy I get to do a bit of both in university.

I am busy most of the time but when I do manage to get some spare time, I try and divide it between volunteering, watching countless movies (and making my friends watch them too), and most important of all - reading. Be it classics or fantasy books, I don't mind as long as it gets me hooked. A quiet place, a good book and I'm happy. Can't wait to start off my summer reading list!

I'm very excited to be taking part in this amazing project and can't wait to meet all of you!



ĐESIKA

Hey guys!

My name is Đesika and I'm a very curious girl from Čakovec, Croatia.

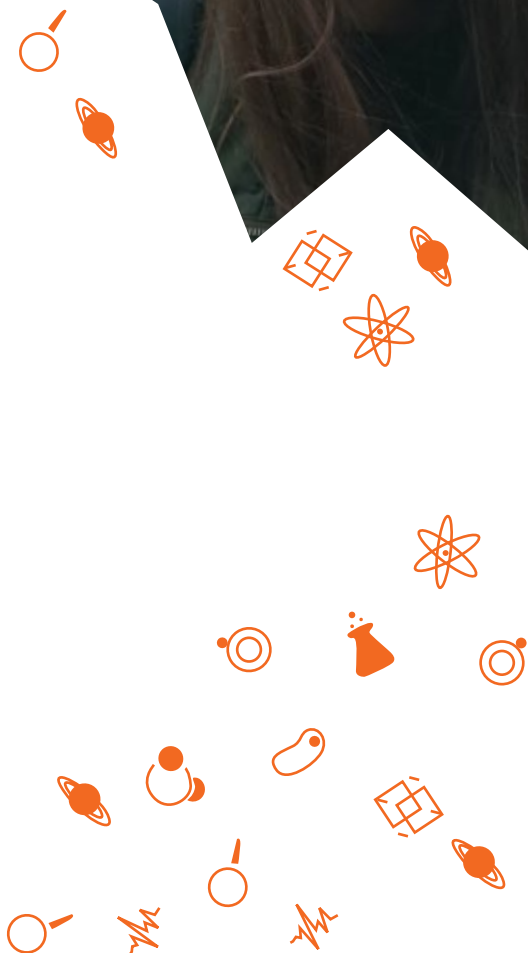
Since I was little I dreamed about being a neurosurgeon. I even had my own imaginary patients and wrote their files which I still keep in my box of memories. During my school years, many people had an impact on me including my older brother, parents, teachers, friends and mentors I met on summer camps like S3++.

As my high school graduation was getting closer, I decided I wanted to study pharmacy instead of medicine which means I just finished first year of Pharmacy at Faculty of pharmacy and biochemistry, Zagreb. Nevertheless, my fascination over human brain and it's secrets never changed or faded. To be more specific, one day I'd like to contribute to understanding and curing Alzheimer's disease (it might sound crazy to someone, but Bukowski said: "Find something that you love and let it kill you.").

As I mentioned, summer science camps were kind of my hobby. I started off with Summer science factory and Petnica international and ended up at Summer school of science (or S3++ if you will) last year. Seeing all this young enthusiastic scientist sharing they knowledge encouraged me to be one of them. I always like to look at things from a different perspective so this year instead of participating in summer science camps, I'll try mentoring.

In my free time (if I find one), I like to dance, run with my dog, read a good book and travel in great company. As a very talkative and friendly person, meeting new people is very inspiring to me and that's exactly why I'm very excited about getting to know all of you! :))

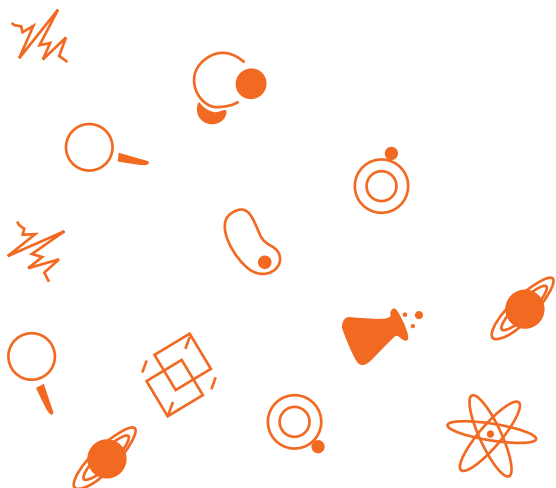
Hugs and kisses





MAJA

Hello, everyone. My name is Maja Jokić and I come from Belgrade. I am third year student of biochemistry. I cannot really say when my scientific quest started, because I have many interests. First it was history, than it was art, and I guess I got lost somewhere along the way and enrolled biochemistry. Then I realized I didn't get lost but instead I actually found myself. I hope you will be inspired with my project about bioluminescence, fingers crossed.





TUGCE

I work on, are very diverse, such as: How did the orangutans adapt to their harsh environment? or What is the role of DNA short tandem repeats in human evolution and in cancer development? I enjoy working on diverse topics, which broaden not only my scientific point of view but also enlighten my everyday life. For example, thanks to my research on orangutan adaptation I became aware, how our body's energetic efficiency, cardiac health and diet are closely linked. This made me think of, how to live healthier!

Well, to live healthy and happy, I do yoga. Recently, I started painting colorful figures -- the picture was taken in Spain, in Dali Museum, my favorite artist. I love sea and sun, in general. We have here many lakes and rivers directly in the city center. This is a reason, why I love Zurich in the summer. :) I also enjoy writing short stories, literature, cooking world cuisine and traveling.

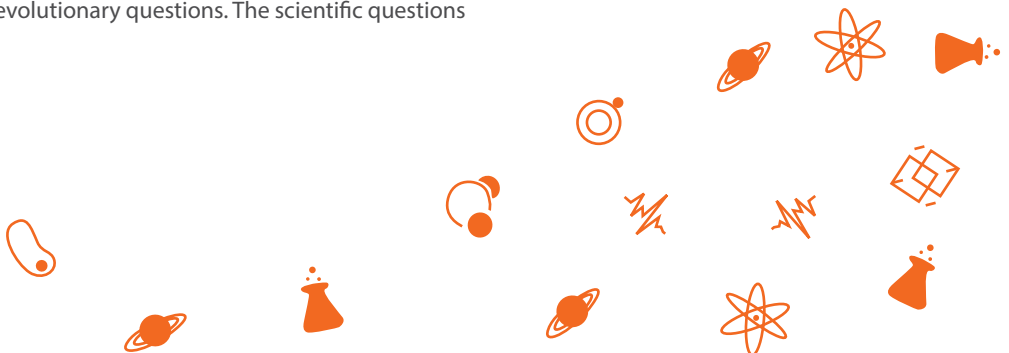
I hope, we'll all have fun and learn a lot during the summer school in Pozega.

Heey!

I am Tugce (pronounce simply as 2che). I am from Istanbul, and since seven years, I live in Zurich, Switzerland with my husband and our cat, Merlin, the wizard :)

When people ask me, what I work on, I say I am an evolutionary biologist. I developed my enthusiasm for evolution at the high school, when our teacher showed us fish skeletons, which contained many holes. These holes help them adapt to extreme pressure changes in underwater. I was fascinated! And this is, how my scientific journey began.

Currently, I am working in the University of Zurich as a post-doctoral researcher, performing genome analyses to answer evolutionary questions. The scientific questions





DUNJA

Hello all,

I am Dunja and I was born in a lovely Dalmatian city called Sibenik, but currently live in majestic London, UK. Ever since I was a kid, I was very curious about the world around

me and was asking thousands of questions, but I didn't like biology or chemistry that much. As matter of fact those were my least favourite subjects in primary school! I loved maths and computer sciences and it all changed when I joined Summer school of science for the first time. I was a part of a project that was transforming bacteria and for me that was the coolest project ever! This school changed my life so much that in the end I finished masters in Molecular biology and now I am perusing a PhD in computational biology.

Currently I am researching regulation of embryonic development; trying to find a mechanism that tells one part of fertilised egg to develop a brain, and an other to become an arm. You see a lot of biology and a lot of computation in there so in a way, I can say that I managed to combine the most od my interests into one :D

I enjoy spending my free time in the nature – believe it or not, but London has so many nice parks that sometimes it can make you feel you are miles away from the city. I love to travel and do international exchanges where you can meet so many foreigners and meet different cultures.

I love to cook and even more to eat great food, but people around me usually discourage me from doing so because they accuse me for their weight gain :D Although people in my new lab are so supportive and cant wait when will I bring next cake. That is why I started experimenting on them – last time I brought pasta cake – very strange looking thing but they still said it was delicious and ate the whole thing! :O

Science popularisation is something I find very important and very cool so that is the reason why am I a part of this school, but along with that I took various roles in organisation of open days of my former faculty (better known as "Noc biologije") and in other scientific fairs like Science Festival organized by Imperial College.

If I would have to describe my life mission in one sentence, it would be: "To learn, experience and feel as much as life can offer". Looking forward meeting you all soon and having an unforgettable week with you :D



CLAIRE LIMOGESCHRAEN



Claire Limoges Schraen, a French architect and structural engineer, obtained a PhD in architecture and civil engineering in the LMT-ENS Cachan laboratory, at the Paris-Sclay University. During her PhD thesis, she has developed a large-scale method for the assessment of the seismic vulnerability of masonry architectural heritage, well

suited to moderate seismic zones. Her work was focused on the religious baroque heritage in the French Alps, but the method can be applied to

any masonry heritage. To this aim she developed tools covering a large spectrum in the earthquake engineering : discret model with rigid particles, continuous damaging macromodel, in-situ vibratory measures, modal updating of complexe models, subrogate simplified models and fragility curves. She received one of the 2014 L'Oréal-Unesco French Doctoral Fellowship for her PhD thesis. Claire is currently working as postdoctoral fellow with Pr. Kotronis in the Research Intitute in Civil Engineering and Mechanics at the Ecole Centrale de Nantes, France. They aim developping subrogate models allowing engineers to use non linear computation and obtain more accurate results even for complexe structures in a limited time.

MATTHIAS KLINGER



Matthias Klinger is the Principal Scientist of BiTE® (bispecific T-cell engager) Immunology at Amgen Research (Munich) GmbH, Germany. While gaining his M.S. in biochemistry from the University Regensburg, Germany, Dr. Klinger also completed course work of the Graduate Immunology Program at Washington University in St. Louis, USA. Subsequently, he undertook a Ph.D. at the Interfaculty Institute of Cell Biology at Eberhard Karls University Tübingen, Germany in association with Micromet AG, a biotechnology company based in Munich. Dr. Klinger joined the faculty at Micromet AG after completing his Ph.D., becoming the Associate Director of BiTE® Immunology. He joined Amgen in 2012 and assumed his current position in 2013. Dr. Klinger's research focuses on the mitigation of clinically important BiTE®-induced adverse drug reactions, on BiTE®-mediated T-cell signaling, and on BiTE® engineering and development.



