



# IGEM TEAM TUEBINGEN 2020



[team@igem-tuebingen.de](mailto:team@igem-tuebingen.de)



<https://igem-tuebingen.com/index>



igem\_tuebingen



iGEM Tübingen



iGEM Team Tübingen

# SUBTEAMS

## WET-LAB:



Imagine crazy researchers, mixed with the hair of Albert Einstein, dressed in a once white, now everything but white lab coat with gloves on our hands. And most important – always wearing a smile on the faces: here we are. We are very happy to introduce our wet lab team. We basically live in our lab, never getting tired of repeating the same experiments once again and again... As often as it takes to get the results our dry lab people are proud of. And of course, we will get them, because we are bacteria-whisperers. We always talk to our cells and bacteria, we love them and they love us. No doubt, we chose the perfect part in trendy and timeless-oversized-used-look outfits to support our iGEM team as good as we can!!

## DRY-LAB:



Yes, we do real laboratory work. We just don't like wearing bulky lab coats, smelling sulfur or getting our hands dirty with real life bacteria. So instead, we model them and analyze the models from behind a screen while comfortably enjoying a coffee. In this way, problems such as the limited ability of a human eye to zoom are overcome. A few clicks (and a bit of math in the background) and cells, proteins, molecules or even atoms appear in detail. An algorithm can conduct a multiple of the experiments a human can do and can maintain an overview over big amounts of data. This is especially helpful when comparing and analyzing protein or nucleic acid sequences or to annoy wet-lab people with suggestions on what to change in their experiment to get a better outcome.

# SUBTEAMS

## # SOCIAL MEDIA / EVENTS

“But first, let me take a selfie...” just kidding, we’re not just taking selfies all day long but also checking the internet for high quality memes, are looking for science related events in the area, and most importantly keep in touch with all the other wonderful and inspiring iGEM teams worldwide. We are the social media team and we are always happy to keep you up to date on our current project progress and all the events that we are planning. Besides, we follow the current topics on social media and discuss important points on our accounts. As of right now, we are working on a mini-interview series in which we talk to different people about the changes in their working life caused by the corona crisis. Give us a follow if you do not want to miss out on this.

## HUMAN PRACTICE / ENTREPRENEURSHIP

Enough with all the technical stuff that our team does. Now, any guesses what we do?!! We are the peeps who take the ‘science stuff’ out of the equation. We go beyond (don’t even ask us how far) the confines of the lab and dive right into the society to gather intel on how our project plays out in the environmental / social context. We report back to our team on how issues in these two areas impact our project. We talk to the public to get their personal opinions on the said issues, work as a team with them to address these head on (bam!!) As responsible humans. We also walk across the bridge to the other side to meet entrepreneurs (uber-cool name for industry folks) to get their views and support for our project idea. We are the safety and ethical enforcers of the team. In short, our very existence resonates goodness for the world....

# SUBTEAMS

## WIKI / DESIGN



We're definitely the most beautiful and sexy of all those teams, because we actually care about how things look like! We'll sacrifice all of our time to apply some make-up to the website AND even more important, the sacred WIKI!!!!!!1 1 1 \*palim palim\*. We'll clearly have the very best wiki of all the other igem-teams and if not, we'll blame china! \*Micdrop\*

## FINANCE



Money money money! We are the finance team, also known as our team's stockbrokers. We are responsible for payments, sponsoring and everything related to the financial health of iGEM Tuebingen. We are not afraid to take a swim in the shark tank, fishing for investors, partners and support. In exchange we also get to order all the fancy supplies and cool gadgets. Big numbers and huge responsibilities are not scary to us -because they enable our team to work on our project under the best conditions.

## ALL MEMBERS:



Luiselotte Rausch, Lea Vogt, Sophia Gaupp, Jenny Tamboli, Elias Schreiner, Katja Sievert, Florian Vögele, Isabel Ernst, Famke Bäuerle, Anirudh Natarajan, Elisabeth Schneider, Aarón Alexander Refisch Ortegoza, Caroline Jachmann, David Keßler, Jakob Keck, Patrick Schweizer, Lukas Heumos, Sophia Krappen



# TEAM MEMBERS

## **INSTRUCTOR: PATRICK SCHWEIZER**

Instructing and leading the iGEM team Tübingen is a fantastic and rewarding cause. In my opinion the iGEM experience is how studying should be. You get together with likeminded, yet different background students and identify one (of many) challenges that the world faces. I want to support their bright minds growing towards understanding not only the science itself, but also the process of research. On this journey we are in close contact with experts, as researchers and other iGEM teams, but also companies, bringing valuable input and networking opportunities. This not only helps the students advancing tremendously in their scientific career and self-understanding but it is also pushing forward the boundaries of science itself. In my eyes sacrificing (a lot of) free time for this definitely is worth it and I do it with great joy. Supporting the well-established, fully student organized iGEM team Tübingen for the second year is not only something I am passionate about but also a way of giving back.



## **ADVISOR: LUKAS HEUMOS**

Over the years, iGEM has become a very mature and strong competition, which requires not only dedicated time and discipline, but also experience. iGEM Tübingen, as a primarily student based team, has always had the tradition that a few team members of last year's edition kickstart the new team by organizing the first meetings, helping with project development and passing over all required iGEM experience. However, some of us noticed that the iGEM fire still shines brightly inside them and that they want to contribute further by advising the current iGEM team. iGEM is so much more than just long lab hours and endless meetings, it is also passion, the satisfaction of advancing society and most importantly - friendship.



# TEAM MEMBERS

## TEAM MEMBER WET-LAB: LEA VOGT

I am currently studying molecular medicine, finishing my bachelor program this summer. With lab experience gained during an internship and my bachelor thesis, I hope to be an valuable member of the wet-lab subteam of team Tübingen. This subgroup is responsible for experimental planning and execution of our project. I see iGEM as a chance do to an really independent project with all it ups and downs and I want to gain more experience in project planning and how to address problems and find solutions. I value the interdisciplinarity of the team that allows to distribute tasks and I'm sure we're all going to benefit with regard to team coordination and the necessity of contribution of each team member.



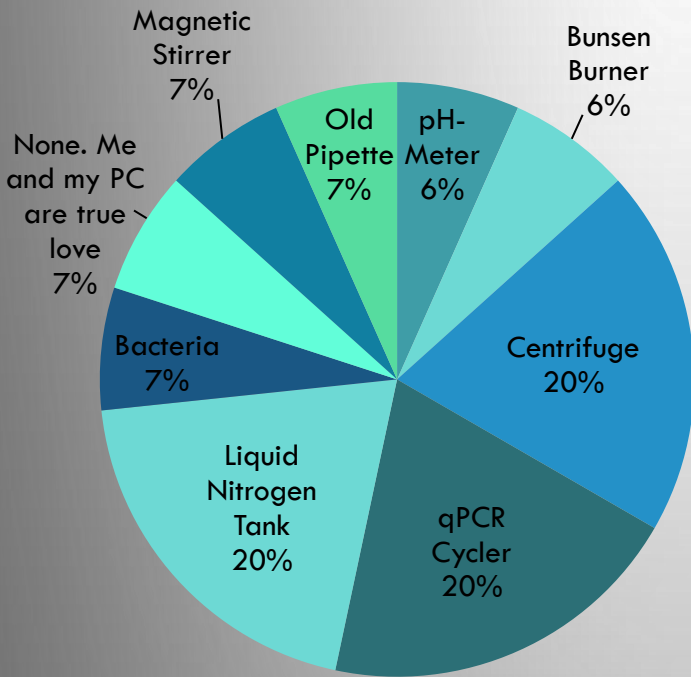
## TEAM MEMBER DRY-LAB: ELISABETH SCHNEIDER

With a bachelor's degree in biology and ongoing courses for a master's degree in bioinformatics, a competition like iGEM, known for its interdisciplinarity, immediately caught my interest. I hope to learn more about the everyday work of a bioinformatician in a project and at the same time discover other important tasks needed to finalize it. Being in contact with other motivated participants in the team or all over the world and exchanging ideas with them will also be an amazing and unique experience for all of us that we can only look forward to.

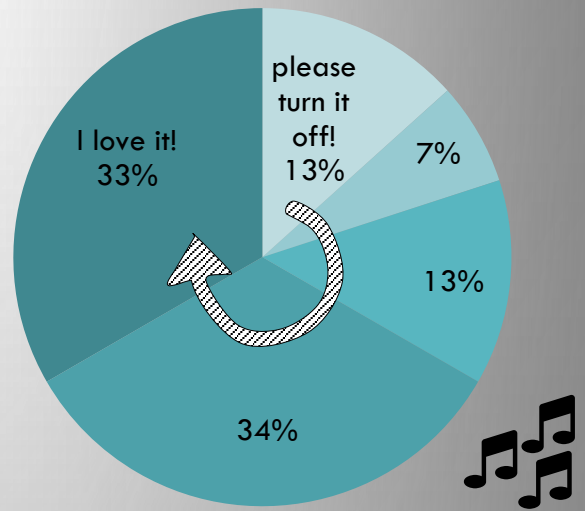


# TEAM STATISTICS

What type of lab equipment are you?

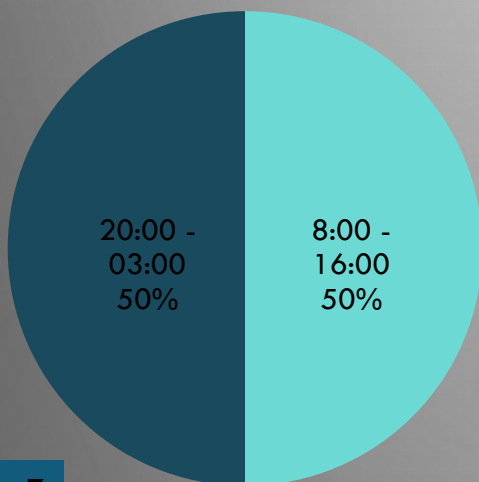


How much do you like heavy metal(s)?

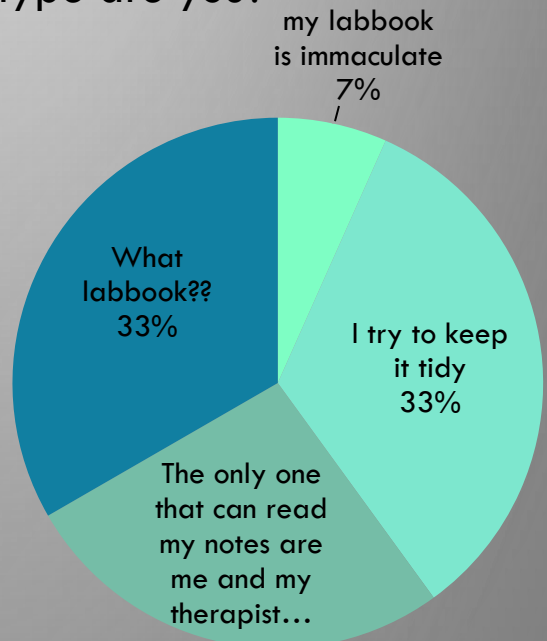


When do you prefer to be in the lab?

8:00 - 16:00    11:00 - 20:00    20:00 - 03:00

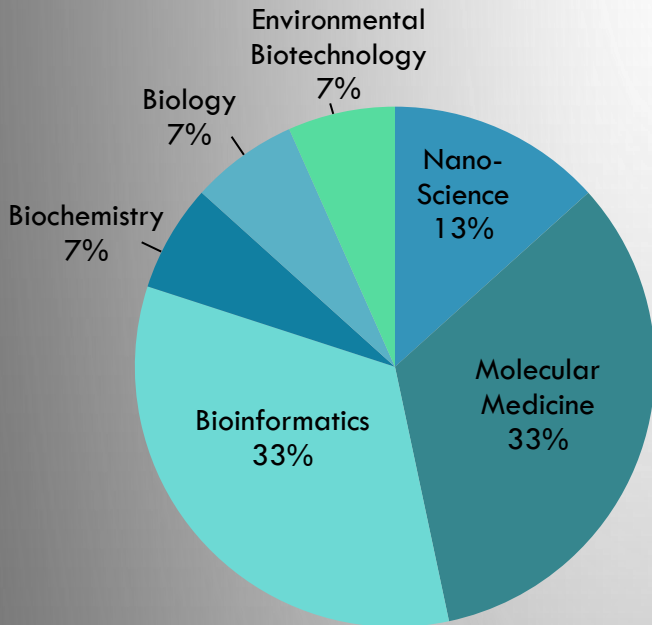


What lab book type are you?

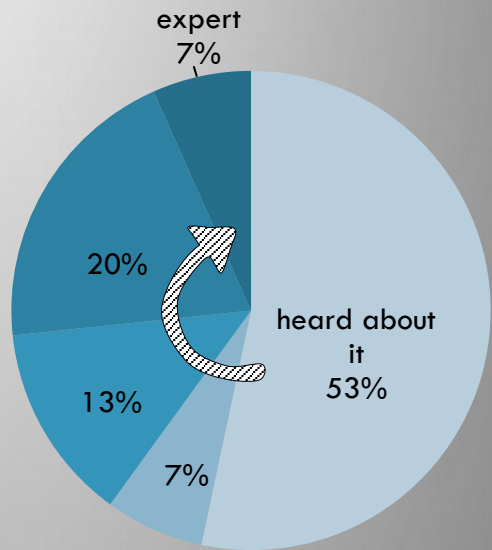


# TEAM STATISTICS

What are you studying?



experience in programming & bioinformatics



Experience in experimental biology / wet-lab?

