



Science4Everyone



Scientists from the LCSB give easily understandable lectures for everyone – no prior knowledge is required!



Every 2nd Monday,
12:00-12:30 pm



[WebEx online meeting](#)
2733 485 5168 pw S4E2022



DATE	TITLE & PRESENTER	TEASER
24 Jan	Tiny piece of you – the cell S4E team	Our body consists of trillions of cells, and we will have a look what happens inside. We will get to know the smallest compartments and what they are composed of.
7 Feb	Mitochondria: the cell powerhouses Axel Chemla	Energy production is a hot topic nowadays. It can be nuclear, solar, water or coal based. What would you choose? Our cells made their choice and use mitochondrial plants. Let's learn about what they can do and how they work!
21 Feb	Communication via Extracellular Vesicles Miriam Fougeras	Like humans, cells have many ways of communication. One of them is the transport of molecules via extracellular vesicles, which were in the beginning thought to be garbage. Let's discover the incredible effects they can have!
7 Mar	Yeast: the model organism expert in pizza baking Chiara Romano	The use of yeasts as a model organism is not so dated. The evidence that yeasts and mammalian cells have genes that encode similar proteins encourages the possibility of studying the biological function of unknown enzymes in a more simplified and versatile unicellular model. Do not miss the opportunity to discover this amazing model!
21 Mar	Tales from the lab: mini-organs on a dish Daniela Vega	Mini-organs grown in the lab? What are scientists up to now? Join this talk to learn about these 3D multicellular structures that are providing researchers with new insights on human development, disease modelling and drug discovery.
02 May	Mini Organs-on-chip - What are they and why we want to use them Gemma Gomez	A human body is a three-dimensional interconnected and complex structure. Therefore, to closely mimic the human body in the lab, we try to bring together cellular models of different organs into the same microenvironment (the chip), to study functionality but also disease.
16 May	Mind-Gut Connection Gemma Gomez	Did you know that your gut is directly connected to your brain? Or that there are more than 100 million brain cells in your gut? We will explore the communication between the brain in our head and the "second brain" in our gut.
30 May	Drug Screening - From the lab to the patient Bruno Santos	Great science helps understanding diseases, but how do we translate this info into patient care? How do we develop patient-specific personalised medicine? How do we accelerate the discovery of new disease treatments? In my talk, I will introduce you to the concept of early drug discovery, and medication repurposing.
13 Jun	Study participant involvement Anne-Marie Hanff	How to involve research participants from the planning of the research project to the interpretation and dissemination of the results? We will provide you insights into the newly created "participant advisory board" at the National Centre for Excellence in Research of Parkinson's disease – NCER-PD.
27 Jun	A visit at the Parkinson's Research Clinic Laure Pauly	Do you want to have an insight into what a visit at the National Centre for Excellence in Research of Parkinson's disease looks like? We will guide you through a regular visit and will explain you what the clinical team at the Parkinson's Research Clinic assesses and why.