



DR. DUBRAVKA VUCICEVIC

POSTDOC BERLIN INSTITUTE FOR MEDICAL SYSTEMS BIOLOGY, MAX DELBRUCK CENTRE

MAY 19th | 12:45 pm - 1:15 pm

GENOME ENGINEERING - THE CRISPR-CAS9 REVOLUTIONARY TECHNOLOGY

20 MIN TALK + Q&A | INTRODUCTORY AND OVERVIEW | ENGLISH

CRISPR-Cas9, a ground breaking scientific research tool, was initially discovered by biologists exploring how bacteria cope with their dooms day. In this talk you will learn: what is CRISPR-Cas9 and how was it adapted to make precise changes to the DNA? How are scientists using this technology to understand biological systems? How am I using this technology to study the generation of brain cells and the development of cancer? What is possible with CRISPR-Cas9 today and what do we anticipate for the future? How we need to carefully use this technology to avoid unintended dooming consequences?



Dr. Dubravka Vucicevic is a scientist at the Berlin Institute for Medical Systems Biology (BIMSB) who uses CRISPR / Cas9 genome engineering to research the regulation of gene expression in vertebrate organisms.

She investigates the genetic logistics of the body and the regulation of certain genes during brain growth and in specific diseases in order to explore the use of genetic engineering in the treatment of patients with certain degenerative and previously incurable symptoms. In this line of work, it becomes clear that genetic engineering has great medical potential - but where is ethical limit?

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