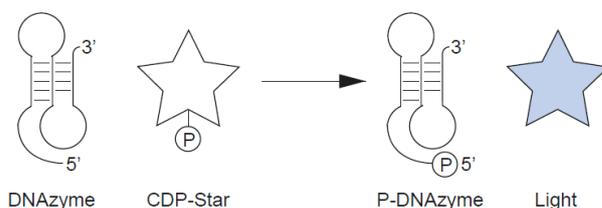


Guest: Dr. Edward Curtis, Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague (<https://curtis.group.uochb.cz/en>)

Lecture: Friday, February 11th, 2022 at 11am

Title: “Exploring the functional potential of nucleic acids using artificial evolution”

Our group uses artificial evolution to learn more about the functional potential of nucleic acids. This typically involves purifying DNA and RNA sequences molecules with interesting properties



(such as the ability to bind a ligand or catalyze a reaction) from large random sequence libraries. In my presentation I will highlight some of our recent progress in this area. This includes the discovery of Supernova, a DNA enzyme that catalyzes a chemiluminescent reaction, and the development of new methods to explore sequence space using secondary structure libraries and one-step selections.

Organisator: Claudia Höbartner → ☎ +49 931 31 89693
Lisa Weidner → ☎ +49 931 31 87194

Hybrid event:

For in person participation:
Chemiezentralbau, Hörsaal C

! 20 seats available – 2G rule applies !
Make sure you have your certificates and ID card ready.

Please register for your in person participation with an email to l-oc1.chemie@uni-wuerzburg.de

For online participation:

<https://uni-wuerzburg.zoom.us/j/96904434015?pwd=T1V3SnFmaERZV3I5SFRJdFJiMmY4Zz09>

Meeting ID: 969 0443 4015

Password: 476919