

# MBG FOCUS TALK

hosted by MBG - DANDRITE



**Friday 5th October 2018 from 13:00 - 13:30**

MBG conference room (3130-303), Gustav Wieds Vej 10C, 8000 Aarhus C

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## **Bridging the gap between chemistry and biotechnology: The bacterial diterpene synthase CotB2**

Terpene molecules represent one of the most diverse groups of natural biomolecules. Properties of these natural products include anti-tumor, anti-inflammatory and antibiotic activities, which makes these compounds high value commercial targets for the chemical and pharmaceutical industry. The variety of terpene molecules is generated by terpene synthases, which perform the cyclisation of a linear terpene precursor to polycyclic structures with elaborate stereochemistry. The first structure of a bacterial diterpene synthase, CotB2, in its open and closed conformation, sheds light on the catalytic mechanism of terpene synthases.

**Hosted by Prof. Poul Nissen, Dept. Molecular Biology and Genetics, Aarhus University**

