

# 3RD EUROPEAN CHEMISTRY CONFERENCE

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## New Organocatalytic Methods for the Synthesis and Functionalization of Natural Products and Carbohydrates

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Due to the rapid advancements in the fields of medicinal chemistry and molecular pharmacology, there is an increasing demand in new technologies for the selective and sustainable synthesis and/or functionalization of complex organic molecules such as bioactive natural products and carbohydrate derivatives. This presentation will focus on discussing new sustainable strategies that rely on the use of organocatalysis for the synthesis and functionalization of natural products and carbohydrate derivatives.

### Biography:

Pavel Nagorny obtained his B.S. degree from Oregon State University in 2001. He subsequently earned his Ph.D. from Harvard University (with Prof. David Evans) in 2007 and carried postdoctoral work at Memorial Sloan-Kettering Cancer Center (with Prof. Samuel J. Danishefsky). In 2010, Dr. Nagorny joined the faculty of the University of Michigan Chemistry Department as an assistant professor of chemistry and in 2017 was promoted to the rank of associate professor with tenure. His current research interests are in the areas of organocatalysis, natural product synthesis, carbohydrate chemistry and medicinal chemistry.