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# **BOOK OF ABSTRACTS**

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### OLIGOMERS OF NOVEL TETRAHYDROFURAN SUGAR AMINO ACIDS AND THEIR TRIAZOLE ISOSTERES

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Sugar amino acids (SAAs) are versatile synthetic scaffolds, combining both amino acid functionality and sugar platform in one compound. The use of these hybrid molecules provides new opportunities for biopolymer synthesis, combinatorial chemistry, and drug design; and as such was intensively investigated [1]. Self-organizing secondary structures have also been recently reported [2], though in all cases at least one of functional groups was attached directly to the ring.



We want to present here a synthesis of novel SAAs 1 and 2, where  $-CH_2$ - linkers are placed between both functional groups and the sugar platform. Synthesis and analysis of corresponding carbopeptoids (oligomers I and II) will be discussed. On the other hand, oligomers of known SAA 3 [3] will be compared with their triazole isosteres (oligomers IV) arising from 4 [4].

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