Cyanobacteria are versatile photosynthetic organisms that have attracted interest as a sustainable biotechnological host chassis. The toolkit for these organisms is growing fast, however, major limitations such as low productivities are still a major drawback for this emerging technology.

Cynthetica will address the issue of recombinant product yields and develop two separate tools that can be universally applied for product synthesis in cyanobacteria. The project will 1) develop an ‘anchor tool’ to increase stability and the interaction of membrane-bound recombinant enzymes, 2) develop a ‘capsule tool’ to encapsulate biosynthetic pathways for improved product yields and 3) test these at scale for their applicability in an industrial setting.

**Period:** 2017-2019

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<th>Participants</th>
<th>Funding</th>
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**Contact**

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