Engineering retinal-based phototrophy via a complementary photosystem in Synechocystis sp. PCC6803

Chen, Q.

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 ENGINEERING RETINAL-BASED PHOTOTROPHY VIA A COMPLEMENTARY PHOTOSYSTEM IN Synechocystis SP. PCC6803

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INVITATION
You are cordially invited to the public defense of my PhD thesis entitled:

Engineering retinal-based phototrophy via a complementary photosystem in Synechocystis sp. PCC6803

Que Chen
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On Wednesday 14th June 2017 at 12:00 in the Agnietenkapel Oudezijds Voorburgwal 231, Amsterdam

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Engineering retinal-based phototrophy via a complementary photosystem in *Synechocystis* sp. PCC6803

Que Chen
Engineering retinal-based phototrophy via a complementary photosystem in Synecochystis sp. PCC6803

Que Chen

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**Cover design:** The pictures on the cover page show the crystal structure of a proteorhodopsin. Image on the front and back page shows the structure of its hexametric oligomer at the intracellular side and the extracellular side, respectively. Protons (H+) are being pumped from the intracellular side (front page) to extracellular side (back page), thereby passing through the whole thesis. The cover has been designed by Jos Arents and Que Chen.

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ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus
prof. dr. ir. K.I.J. Maex
ten overstaan van een door het College voor Promoties
ingestelde commissie,
in het openbaar te verdedigen in de Agnietenkapel
op woensdag 14 juni 2017, te 12:00 uur

door

Que Chen

geboren te Mian Yang, China
Promotiecommissie:

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Faculteit der Natuurwetenschappen, Wiskunde en Informatica
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