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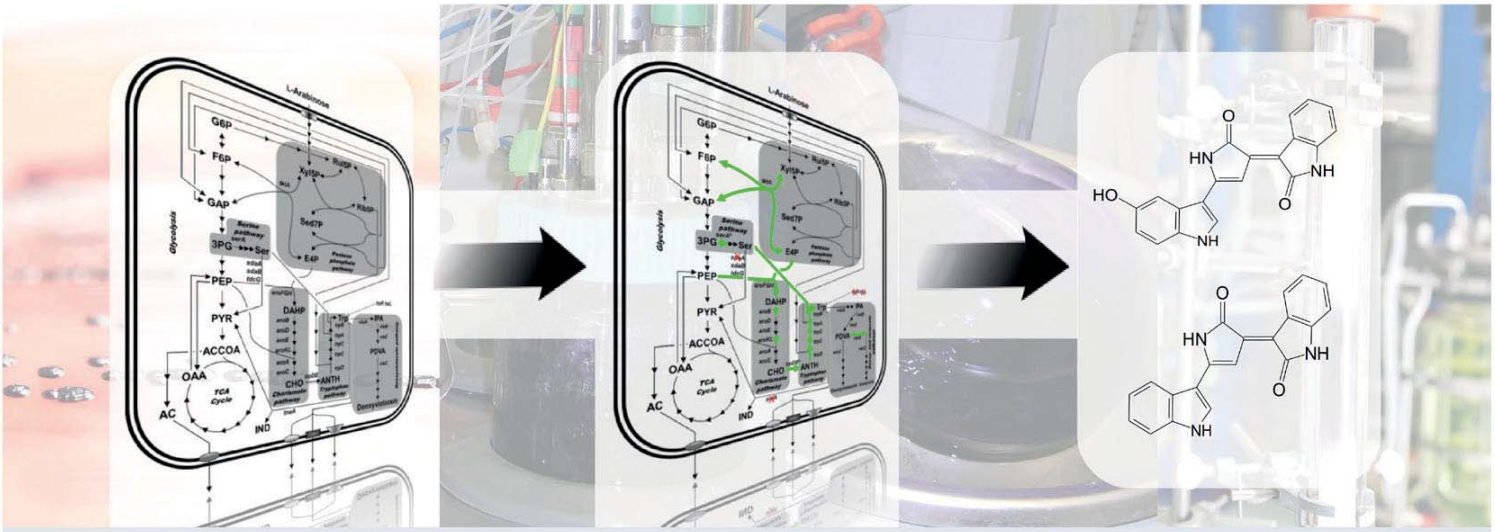

André Luis Rodrigues

Systems metabolic engineering of *Escherichia coli* for production of violacein and deoxyviolacein

Cuvillier Verlag Göttingen
Internationaler wissenschaftlicher Fachverlag

Hochschulschriften

Institut für Systembiotechnologie
Universität des Saarlandes

Herausgegeben von Prof. Dr. Christoph Wittmann

Band 4

Cuvillier-Verlag
Göttingen, Deutschland

Herausgeber
Univ.-Prof. Dr. Christoph Wittmann
Institut für Systembiotechnologie
Universität des Saarlandes
Campus A1.5, 66123 Saarbrücken
www.iSBio.de

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Bibliographische Informationen der Deutschen Nationalbibliothek
Die Deutsche Nationalbibliothek verzeichnet diese Publikation in der Deutschen Nationalbibliographie; detaillierte bibliographische Daten sind im Internet über *http://dnb.d-nb.de* abrufbar.
1. Aufl. – Göttingen: Cuvillier, 2015

Nonnenstieg 8, 37075 Göttingen
Telefon: 0551-54724-0
Telefax: 0551-54724-21
www.cuvillier.de

1. Auflage, 2015
Gedruckt auf säurefreiem Papier

ISBN 978-3-95404-960-8
eISBN 978-3-7369-4960-7
ISSN 2199-7756

Systems metabolic engineering of *Escherichia coli* for production of violacein and deoxyviolacein

Dissertation zur Erlangung des Grades

eines Doktors der Ingenieurwissenschaften (Dr.-Ing.)

der Naturwissenschaftliche-Technischen Fakultät III Chemie, Pharmazie,

Bio- und Werkstoffwissenschaften

der Universität des Saarlandes

von

André Luis Rodrigues

Saarbrücken

2014

Tag des Kolloquiums:	14. November 2014
Dekan:	Prof. Dr.-Ing. Dirk Bähre
Berichterstatter:	Prof. Dr. Christoph Wittmann
	Prof. Dr. Rolf Müller
Vorsitz:	Prof. Dr. Gert-Wieland Kohring
Akademischer Mitarbeiter:	Dr. Björn Becker

“Reality is merely an illusion, albeit a very persistent one.”

Albert Einstein

Peer-reviewed publications

Partial results of this work have been published in advance authorized by the Institute of Biochemical Engineering (Technische Universität Braunschweig) and the Institute of Systems Biotechnology (Universität des Saarlandes) represented by Prof. Dr. Christoph Wittmann.

Rodrigues, A. L., Becker, J., Lima, A. O. S., Porto, L. M., Wittmann, C., 2014. Systems metabolic engineering of *Escherichia coli* for gram scale production of the antitumor drug deoxyviolacein from glycerol. Biotechnology and Bioengineering. 111, 2280-2289.

Rodrigues, A. L., Trachtmann, N., Becker, J., Lohanatha, A. F., Blotenberg, J., Bolten, C. J., Korneli, C., Lima, A. O. S., Porto, L. M., Sprenger, G. A., Wittmann, C., 2013. Systems metabolic engineering of *Escherichia coli* for production of the antitumor drugs violacein and deoxyviolacein. Metabolic Engineering. 20, 29-41.

Poblete-Castro, I., Binger, D., Rodrigues, A. L., Becker, J., Dos Santos, V., Wittmann, C., 2013. In-silico-driven metabolic engineering of *Pseudomonas putida* for enhanced production of poly-hydroxyalkanoates. Metabolic Engineering. 15, 113-123.

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Conference contributions - lectures

Rodrigues, A. L., Göcke, Y., Bolten, C. J., Brock, N. L., Dickschat, J. S., Porto, L. M.. Lima, A. O. S., Trachtmann, N., Sprenger, G. A., Wittmann, C., 2012. Systems metabolic engineering of *Escherichia coli* for production of violacein and deoxyviolacein. VAAM International Workshop. 27-29 September, Braunschweig, Germany.

Rodrigues, A. L., Göcke, Y., Bolten, C. J., Brock, N. L., Dickschat, J. S., Porto, L. M.. Lima, A. O. S., Trachtmann, N., Sprenger, G. A., Wittmann, C., 2013. Systems metabolic engineering of *Escherichia coli* for production of violacein and deoxyviolacein. 1. MINAS Symposium. 20-21 June 2013, Warberg, Germany.

Conference contributions - Posters

Rodrigues, A. L., David, F., Wucherpfennig, T., Eslahpazir, M., Korneli, C., Krull, R., Wittmann, C., 2012. Pharmaceutical engineering research at the institute of biochemical engineering. Research Colloquium on Pharmaceutical Engineering, 7 May, Braunschweig, Germany.

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Rodrigues, A. L., Bolten, C. J., Bergmann, S., Korneli, C., Porto, L. M., Lima, A. O. S., Wittmann, C., 2011. Production of violacein and derivatives in *Escherichia coli*. 2ND Summer School – Biotransformations, 22-25 August, Bad Herrenalb, Germany.

Acknowledgements

Coming to Germany was really a nice experience. Beyond knowing a new culture, this time abroad has enabled me to have another perspective of my own country. Now I have experimental proof that it is possible to play soccer under -10 °C. I would like to thank Prof. Christoph Wittmann for giving me the opportunity of conducting this work under his supervision, for the nice work together, for the possibility of knowing Germany, and especially for his patience during my studies since our first meeting in Curitiba. I am also thankful to Prof. André O. S. Lima and friends at Vale do Itajaí University for everything that I have learnt during my time in Itajaí, and also for the after-work time skateboarding or surfing on the Praia Brava beach. To Prof. Luismar M. Porto (and the inteLab team) I would like to thank for the wonderful time in Florianópolis and, in addition to Prof. André O. S. Lima, for the possibility of continuing to work on the violacein project in Germany. I would like to express gratitude to Prof. Dr. Rolf Müller and Prof. Dr. Gert-Wieland Kohring for accepting the invitation to participate as members of the evaluation committee. I would like to thank my wife Franciane Moretti for joining me during this time. I am happy that she could adapt and was able to pursue her professional aspirations. In spite of being skeptical about the fact that, according to the German Academic Exchange Service (DAAD), learning to speak German in six months is possible, now I know that this goal is indeed achievable, at least in part. Despite being able to use the *Konjunktiv II der Vergangenheit mit Modalverben,* sometimes mimicry skills can help the life a lot in daily tasks. To all people of ibvt, I would like to thank for the help, hospitality, team work, and for the nice parties and barbecues. I am particularly thankful to Dr. Christoph J. Bolten and Dr. Judith Becker for helping me to get started at ibvt; Dr. Claudia Korneli, Dr. Juan Carlos Sigala Alanís, Dr. Sven Bergmann, Yvonne Göcke, for the help with equipments and techniques; and M.Sc. Jana Blotenberg and Dr. Ignacio Poblete Castro for the team work. I thank also my office colleagues for the wonderful time together and for the mutual diet sabotages by bringing cookies and all other kinds of candies to avoid glucose limitation while working in the office. As the ibvt soccer team could see, there are in fact Brazilians that can not play soccer so well, but I will keep trying. I also thank Prof. Georg A. Sprenger, Dr. Natalie Trachtmann for the nice time spent in Stuttgart and for the collaboration; and Dr. Jeroen S. Dickschat, and

M.Sc. Nelson L. Brock for the support. I would like to thank Prof. John Pemberton for the kind donation of plasmids. To DAAD, I would like to express gratitude for providing the means to support my studies, as well as the nice time spent together in the meetings. Financial support from Max-Buchner Foundation and the Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES) is also gratefully acknowledged. I would like also to express gratitude to my students Ananta Fabian Lohanatha and Thomas Krieg, for the fun time working together. Finally, I would like to thank my family and friends for their support along the last years. Nothing that we have accomplished here would have been possible without you.

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