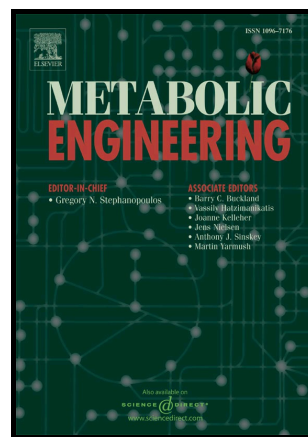


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**Design, development and application of whole-cell based antibiotic-specific biosensor**

Yuriy Rebets<sup>a,b1</sup>, Stefan Schmelz<sup>c,1</sup>, Oleksandr Gromyko<sup>d</sup>, Stepan Tistechok<sup>d</sup>, Lutz Petzke<sup>e</sup>,  
Andrea Scrima<sup>c\*</sup>, Andriy Luzhetskyy<sup>a,b\*</sup>

<sup>a</sup>Universität des Saarlandes, Pharmazeutische Biotechnologie, Bld. C2.3, 66123 Saarbrücken, Germany.

<sup>b</sup>Helmholtz-Institute for Pharmaceutical Research Saarland, UdS Campus, Bld. E8.1, 66123 Saarbrücken, Germany.

<sup>c</sup>Helmholtz-Centre for Infection Research, Inhoffenstrasse 7, 38124 Braunschweig, Germany.

<sup>d</sup>Ivan Franko National University of Lviv, Department of Genetics and Biotechnology, Hrushevskogo Street 4, 79005 Lviv, Ukraine

<sup>e</sup>BASF SE, 67056 Ludwigshafen, Germany

\*Corresponding authors: Andrea.Scrima@helmholtz-hzi.de (Andrea Scrima), a.luzhetskyy@mx.uni-saarland.de (Andriy Luzhetskyy).

**Abstract**

Synthetic biology techniques hold great promise for optimising the production of natural products by microorganisms. However, evaluating the phenotype of a modified bacterium represents a major bottleneck to the engineering cycle – particularly for antibiotic-producing actinobacteria strains, which grow slowly and are challenging to genetically manipulate. Here,

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<sup>1</sup> These authors equally contributed to this work

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