Nediljko Budisa

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Education and Professional Experience

1989–1993	Molecular Biology, University of Zagreb, Croatia
1993–1997	PhD (summa cum laude) in Biochemistry, TU Munich, Germany
1997–1999	Postdoctoral studies, Max Planck Institute of Biochemistry, Germany
2000–2005	Habilitation, TU Munich, Germany
2005–2010	Group Leader, Max Planck Institute of Biochemistry, Germany
since 2010	Full Professor, Berlin Institute of Technology – TU Berlin, Germany

Research Interests
Synthetic Biology, Genetic Code and Protein Biosynthesis, Protein Design, Engineering of the Genetic Code and Protein Synthesis Apparatus.

Awards and Honours
2004 BioFuture Award.

Most Important Publications

M. Hoesl, N. Budisa
In Vivo incorporation of multiple noncanonical amino acids into proteins.
Angew. Chem. Int. Ed., **2011**, *50*, 2896–2902.

S. Lepthien, L. Merkel, N. Budisa
In vivo double and triple labeling of proteins using synthetic amino acids.
Angew. Chem. Int. Ed., **2010**, *49*, 5446–5450.

C. Wolschner, A. Giese, H. A. Kretzschmar, R. Huber, L. Moroder, N. Budisa
Design of anti- and pro-aggregation variants to assess the effects of methionine oxidation in human prion protein.
Proc. Natl. Acad. Sci. USA., **2009**, *106*, 7756–7761.

S. Lepthien, M. G. Hoesl, L. Merkel, N. Budisa
Azatryptophans endow proteins with intrinsic blue fluorescence.
Proc. Natl. Acad. Sci. USA., **2008**, *105*, 16095–16100.

T. Steiner, P. Hess, J. H. Bae, B. Wiltschi, L. Moroder, N. Budisa
Synthetic Biology of Proteins: Tuning GFPs Folding and Stability with Fluoroproline.
PLoSONE, **2008**, *3*, e1680.