

ATG: biosynthetics Solutions in biosynthetics

About ATG

ATG: biosynthetics GmbH was founded in 2001 by Dr. Hubert Bernauer and is headquartered in Merzhausen, just south of Freiburg, Germany.



We are members of the German branch of the tri-nation **BioValley** biotech association.

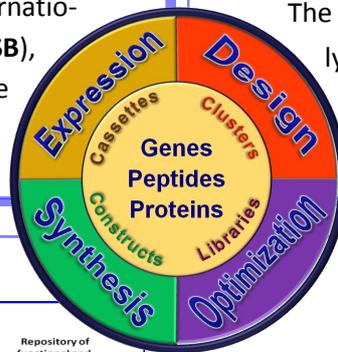
As a member of the International Association of Synthetic Biology (**IASB**), ATG promotes the goals and responsible use of synthetic biology for the benefit of all.

What we do

Genes are our business. You want it, we make it.

ATG is a **synthetic biology and biotech** company where biodesign through proprietary analytical and synthetic bioinformatics tools and expertise meets systems for the assembly and expression of (multi-) gene and multi-peptide constructs.

The results are functionally and constructively optimized artificial genes, gene cassettes, and gene clusters/assemblies, and the resulting applications.

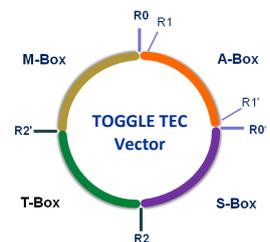


Products and Services

for R&D in basic research (e.g. structural biology), drug discovery, industrial & medical biotech, molecular diagnostics and molecular bioengineering.

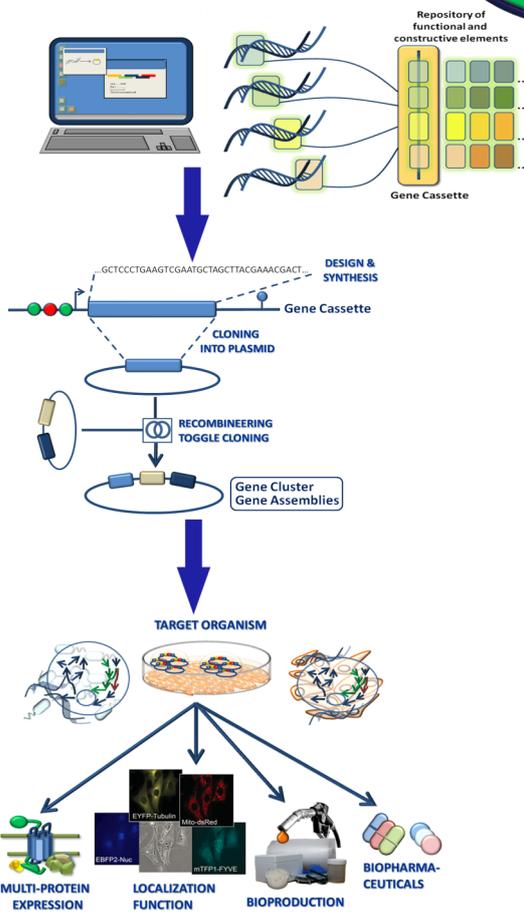
- ◆ Multi-gene recombineering / expression systems for *E. coli*, insect and mammalian cells (**Toggle, MultiLabel**)

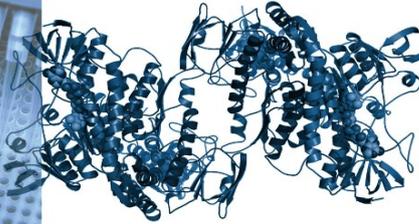
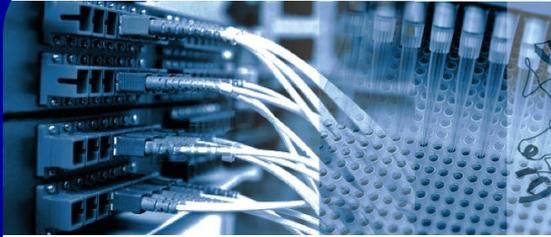
- ◆ Tailor-made expression systems for other (micro) organisms based on a modular assembly strategy (**ToggleTec**)



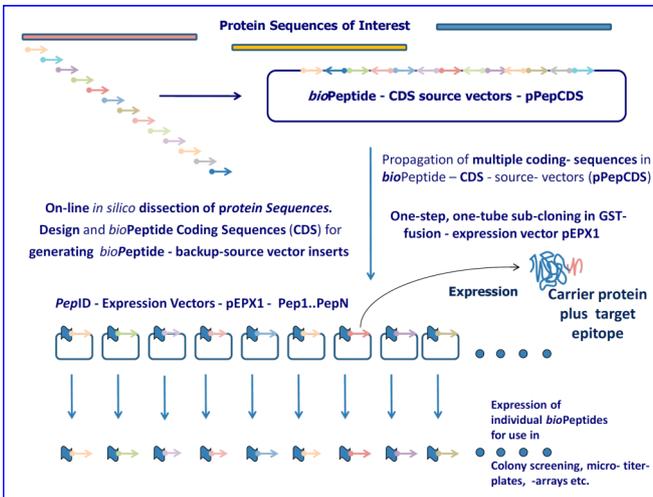
- ◆ Gene intelligence solution **EvoMAG** for multi-parametric sequence calculations for complex (artificial) gene / combinatorial gene cluster design as well as formal and operational optimization of genes, genetic elements and expression cassettes for diverse target/production organisms (for functional enzyme optimization, metabolic engineering, signal pathway analysis, TALENs, etc.)

in silico
in vitro
application





ATG:biosynthetics
Solutions
 in biosynthetics



- ◆ Gene synthesis of individual genes and gene clusters, TALE nucleases/applications, etc.
- ◆ Plasmid production and purification
- ◆ Top-notch computational biology solutions / analysis for immunomics, metabolomics, gene expression analysis in your target organism of choice, etc.
- ◆ Synthetic biology and bio-engineering projecting / consulting from gene design to (multi-gene) expression strategy

- ◆ Proprietary multi-peptide library design tool as well as biosystems-based multi-peptide library construction and expression system (**PepID**) for rationally designed bio-peptide libraries (see image overleaf).
 For use in assessing, identifying (mapping) and verifying peptide epitopes, antibodies, or protein-protein-interaction. Applications in R&D for diagnostics and therapy.

Research & Development

ATG continuously develops and improves its in-house bioinformatics platform and tools.

Our R&D team also works on new multi-protein and –peptide systems and applications with improved functionality.

In addition, we work at complementing our portfolio with additional products and services.

Contact ATG

ATG:biosynthetics GmbH

Weberstraße 40 • 79249 Merzhausen
 Germany

Tel.: +49 (0)761 8889424

Fax: +49 (0)761 8889425

Web: www.atg-biosynthetics.com



Your Partner in Synthetic Biology