Smart library approaches employing the BioXP™ 3200 platform

With the BioXPTM 3200 – an automated, benchtop genomics workstation- acib can run any nucleic acid or protein engineering study based on in house smart library design, generation and screening.

BACKGROUND
The generation and screening of variant libraries is a valuable tool for a large number of engineering approaches such as nucleic acid & protein engineering and pathway reconstruction & assembly. The success and efficiency of such engineering experiments relies on smart library design and efficient synthesis to get more hits with less screening.

SERVICE
Based on our experience in the various fields of DNA or protein engineering, acib designs your library project according to your needs.
By employing the automated BioXPTM 3200 gene assembly robotics we are capable of synthesizing high-quality mutational libraries (scans, directed, combinatorial) in house and screen them in various host systems (e.g. E. coli, P. pastoris).

CONCLUSION
You need help with your library approach? We support you in all the required steps starting from the appropriate project concept, library design, library generation and screening.

EXPERTS
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supported by bisy e.U.

KEYWORDS
- Mutational libraries
- Library design
- Library generation
- Library screening

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