

129. DIVA: More Science, Less DNA Construction

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<https://diva.jbei.org>

Project Goals:

DNA construction is vital to a broad range of biological research, yet it is predominantly an inefficient diversion from researchers' core research goals and expertise. We have developed a Design, Implementation, and Verification Automation (DIVA) platform to liberate researchers from building DNA, enabling them to instead focus on designing and testing their experiments of interest. A number of software tools have been developed to aid researchers design and build DNA constructs. The DIVA platform seeks to integrate these tools into a seamless and useful workflow to further save researchers time and effort. An initial version of the DIVA platform has been deployed at JBEI and is under continued development. We are also working closely with the Joint Genome Institute towards deploying DIVA to better serve their user community.

References

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