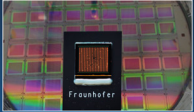
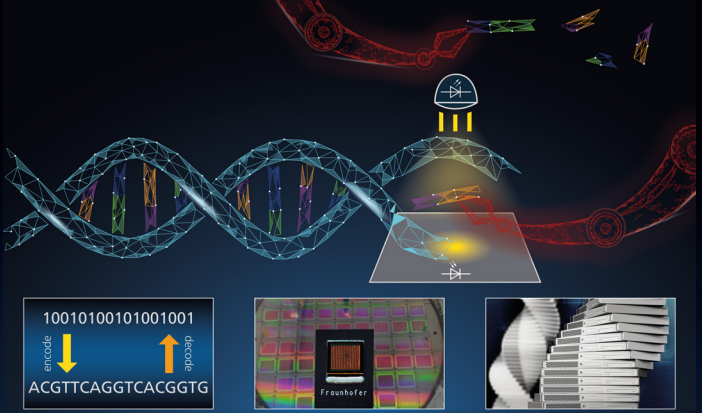




Fraunhofer

Creating the synthesis platform
of the future together

BIOSYNTH

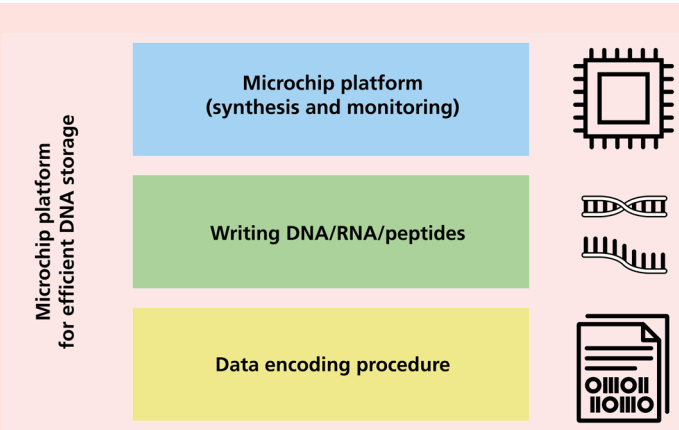


What is BIOSYNTH?

The Fraunhofer-Gesellschaft funds internal projects for preliminary research in the PREPARE program. The PREPARE project BIOSYNTH is researching a modular high-throughput microplatform with thermal synthesis and optical monitoring for future mass data storage from synthetic biology. The platform can also be useful for applications in medicine, biotechnology, biology and agriculture, among others.

Role of the consultants

To ensure quality and a more targeted application orientation in PREPARE projects, an advisory group has been set up. The BIOSYNTH project is supported by five consultants from industry, research and a federal authority. They specifically recruit participants for the user workshops and act as moderators.



Technologies

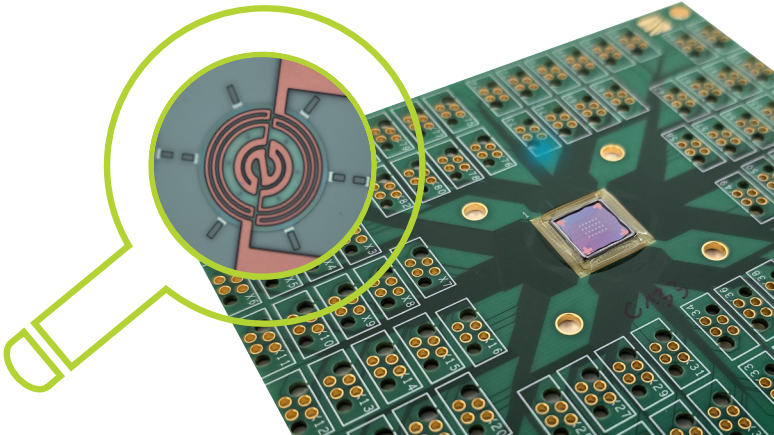
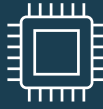
- Microelectronics
- Bioinformatics
- Bioanalytics
- Microfluidics
- Optoelectronics
- Microsystem Technology

Applications

- Mass data storage
- Data compression and correction
- Synthetic biology
- Sensing
- Bio-hybrid materials
- Drug development
- DNA

Industries

- Agriculture
- Biotech
- Data storage
- Logistics
- Medicine
- Microelectronic
- Pharmacy
- Security



Project partner

- Fraunhofer Institute for Photonic Microsystems IPMS
- Fraunhofer Institute for Cell Therapy and Immunology
- Department of Bioanalytics and Bioprocesses IZI-BB
- Fraunhofer Institute for Toxicology and Experimental Medicine ITEM

Advisory board

- Prof. Dr. Anke Becker, Philipps-Universität Marburg
- Christoph Kögler, Infineon Technologies, Dresden
- Stefan Ernst, X-FAB Dresden GmbH & Co. KG
- Timo Dommermuth, Bundesarchiv Koblenz
- Jörg Schenk, Hybrotec GmbH, Potsdam



s.fhg.de/biosynth-project

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