

POINTS OF VIEW

A MAJOR COLLABORATION

“ The collaboration with TWB will make a major contribution in strengthening the unique expertise that we have built around *Deinococcus* and in increasing the performance of our strain. ”

Emmanuel PETIOT,
Director General of DEINOVE.

SPRINGBOARD TOWARDS EMPLOYMENT

“ Thanks to the professional experience gained through a R&D contract with TWB and the industrial contacts established, I was hired on an unlimited term contract by the PILI start-up, a TWB partner. ”

Emilie AMILLASTRÉ,
Engineer at PILI.

A DYNAMIC WORK ENVIRONMENT

“ Joining TWB to support its personnel growth related to the continuous development of activity: a real motivation! ”

Catherine GAY, Human resources
officer at TWB.

BUSINESS START-UP SUPPORT

“ The partnership with TWB enables AURIGA Partners, under the AURIGA IV Bioseeds fund, to interact with a pool of very promising innovative projects with high development potential. ”

Franck LESCURE,
Associate Director of AURIGA Partners.

INDUSTRIAL SOLUTIONS

“ One of the company major issues was to industrialize its production process for amoebae. TWB expertise in association with AMOEBA R&D teams have made it possible to successfully knock down the technological barrier. ”

Fabrice PLASSON,
President and co-founder of AMOEBA.

AT THE SOURCE OF ETHICAL REFLECTION

“ The ethical Café is a privileged time for exchange between TWB staff in order to reflect collectively on the impact of biotechnologies in the present-day world. I bring the perspectives of the philosopher and ethicist, they bring their biologists' experience and questions. ”

Vincent GRÉGOIRE-DELORY,
Manager of TWB "Ethics" platform.



2016 MILESTONES

FEBRUARY

Visit of Thierry Mandon –
Secretary of French State for
Higher Education and Research

MARCH

Renewal of TWB website

APRIL

Industrial prospection in
California with the IAR (Industries
Agro-Ressources) cluster

OCTOBER

Extension of the robotic
platform for strain engineering

DECEMBER

Organization of the symposium
“Synthetic Biology: from ideas
to market” with Genopole and
the IAR cluster

JANUARY

Membership of 7 new industrial
partners in the consortium

Move of EnobraQ
(20 collaborators) to TWB
premises

JUNE

Inauguration of TWB new
premises

JULY

Welcoming the PILI start-up
on TWB premises

SEPTEMBER

Launch of the European project
SuperBio: TWB is a partner



2016
FOCUS



EDITO

CONSOLIDATION & TRANSITION

“ In 2016, TWB enhanced the achievements of its first five years of existence and laid the foundation for a reflection on the evolution of its structure.

Value generation in TWB collaborative ecosystem has been confirmed: the technological support to young companies has allowed them to raise funds or to create subsidiaries. TWB attractiveness also materialized into the hosting of two start-ups on TWB premises.

The commitment of TWB personnel and public and private partnerships remains unflinching, reinforced by the achieved results and by the sense of being directly involved in the building up of a rare experience.

The projects continue to be numerous and promising... ”

Pierre Monsan Founding Director

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TWB AT THE HEART OF VALUE CREATION

46 ACTIVE PROJECTS

R&D AND SERVICES



INCLUDING **15 NEW PROJECTS**

46% INDUSTRIAL CONTRACTS

A few subjects in a nutshell:

strain engineering, optimization of a fermentation process, technical validation of an industrial process, scale-up.

28% MISCELLANEOUS (public/private, Europe, 3BCAR)

Zoom on the Synthacs project, financed by ANR (French National Agency for Research) and the ADISSEO company. The objective has been achieved: opening a new metabolic pathway in order to produce molecules for animal feed.

26% RESEARCH PROJECTS

Decoding

Each year, TWB finances academic research projects selected by its consortium partners, for an amount of about €1 M.

KEY FIGURES 2016

89 COLLABORATORS AT TWB

€9.5M TURNOVER INCLUDING €4.4 M GRANTS

€0.85M INVESTMENT

45 PRIVATE AND PUBLIC PARTNERS IN THE CONSORTIUM

7 NEW PARTNERS

- ARD
- ENOBRAQ
- HÉLIOSCIENCE
- INNOVAL SUD-OUEST
- IPSB
- PILI
- PROCESSION

TECHNOLOGICAL DEVELOPMENT

Strain engineering robot

CONCRETELY... At the cutting edge of technology, the automated strain engineering station (Hamilton) suits any type of synthetic biology project (strain engineering, vector construction, metabolic engineering) by optimally combining the different completion stages in the shortest possible time.

Standard or customized services in flow cytometry



HOSTING & SUPPORT OF 2 START-UPS

SPOTLIGHT ON PILI

PILI chose to move into TWB premises in order to benefit from its cutting-edge equipment and its scientific and technological skills. The start-up, specialized in the bioproduction of renewable dyes, aims to reach the pilot scale of the industrial manufacturing process for its first blue dye.

ENOBRAQ, THE SUCCESS STORY CONTINUES

Created at the end of 2015 by Sofinnova Partners (member of TWB consortium) following a research project financed by TWB, EnobraQ finalized in April 2016 a €2.9 M first round of financing, with CEA Investissement and two partners of TWB consortium, Auriga Partners and IRDInov. The start-up develops CO₂-based industrial fermentation processes.

INVOLVEMENT IN ACADEMIC EDUCATION

Conferences, courses, visits to TWB.



INTERNATIONALIZATION OF COLLABORATIONS

The Netherlands: memorandum of understanding with BE-Basic Foundation for the development of bioeconomy

Singapore: contribution to the creation of the "Biotransformation Innovation Platform" by the Agency for Science, Technology and Research (A* STAR)

Tunisia: cooperation via a European funding application (programme H2020) for the creation of a similar structure to TWB

1500 SUBSCRIBERS ON SOCIAL NETWORKS

