



Association Française
des Sociétés de Services et d'Innovation



Centre de recherche
FRANCAIS

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Les **membres AFSSI**
ont la **parole** ”

WEBINAIRE



Le partenaire incontournable de vos innovations

Proche de chez vous



SYNTHELIS: Protein synthesis from DNA helix



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WEBINAIRE

Qui suis-je ?
La réponse
en 20 min

AFSSI
Association Française
des Sociétés de Services et d'Innovation

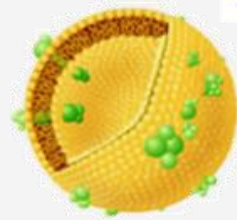
OUR ACTIVITY

Development, production and characterization of recombinant proteins based on a proprietary cell-free technology platform.

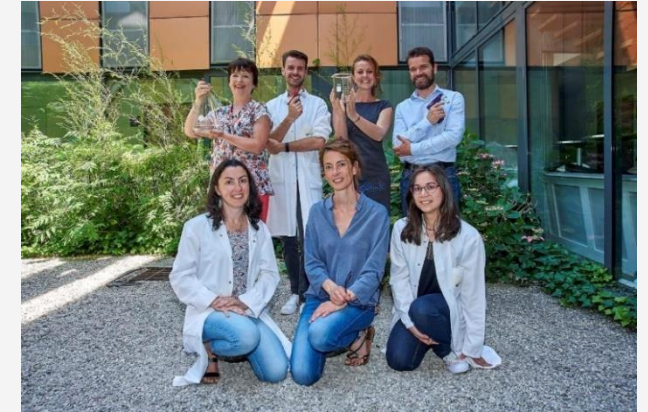


SYNTHELIS

- **Spin-off** from the University of Grenoble Alps (UGA)
- Incorporation in 2011 at Biopolis incubator
- **15 years of experience** in cell-free protein production & characterization
- Fee-for-Service and licensing model
- Quality Management System at **ISO 9001 level**
- **IP*** on specific approach to produce proteoliposomes



Membrane protein into liposomes (proteoliposomes)



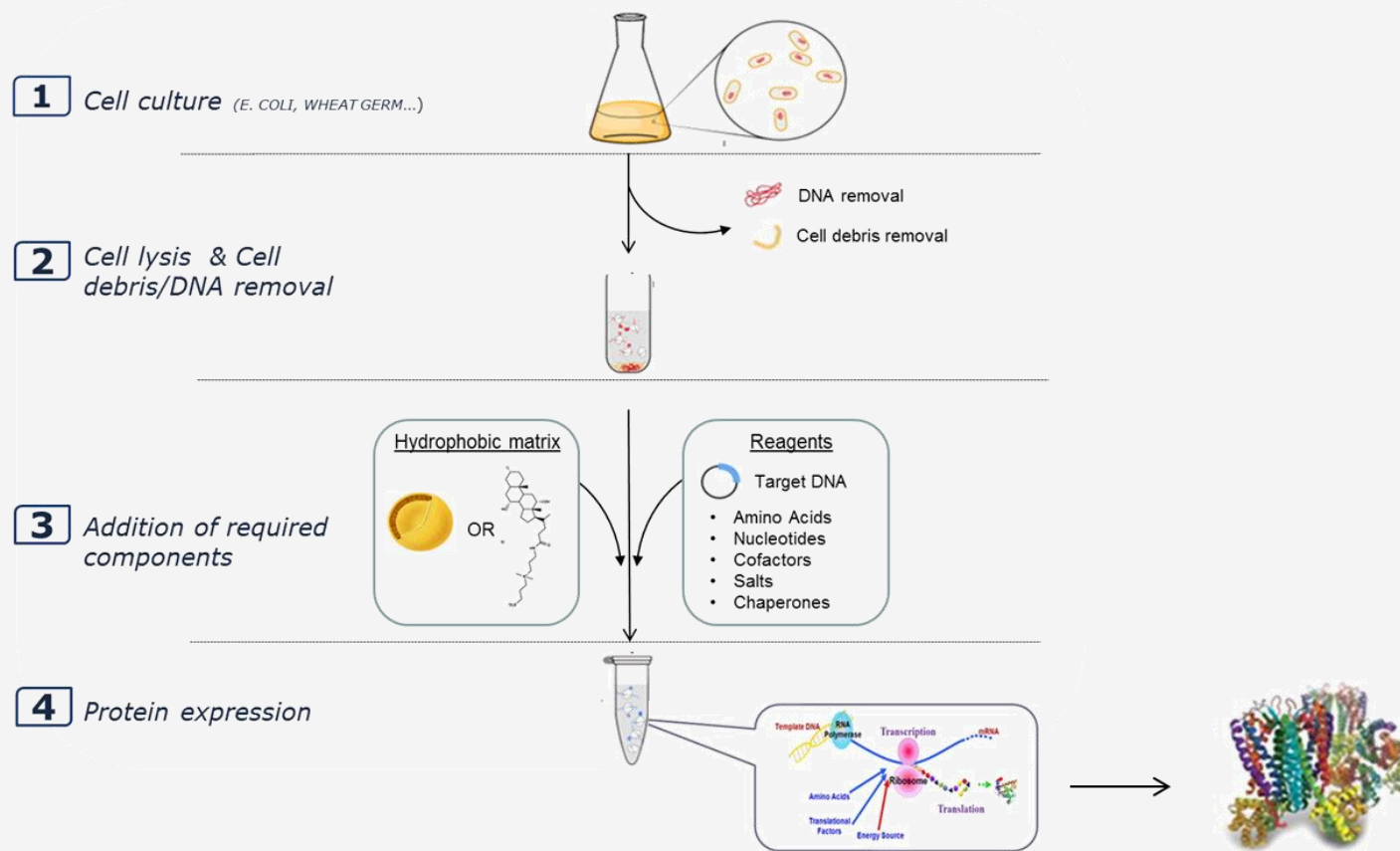
Synthelisis' team



Biopolis' building

* Patents N° FR0754701, US9,206,456, JP5421241, AUST 2008263765, EU08805711.2

OUR TECHNOLOGY & EXPERTISE



- Cell-free expression as core expertise
 - + Protein labelling
 - + Protein purification
 - + Functional and structural characterization
 - + Custom liposome or nanodisc preparation

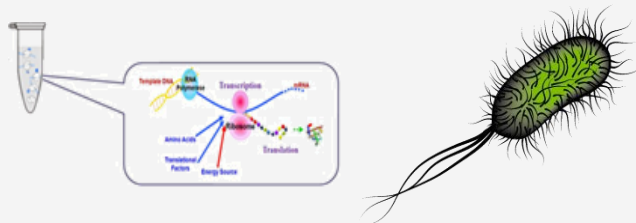


OUR OFFERS

« The Essentials »

Quick process & purified protein samples

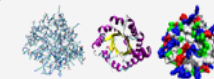
- Easy protein*
- Difficult-to-express protein



« The Specifics »

In-depth study.

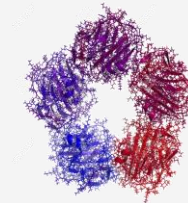
- *In-silico* optimisation & experimental validation
- High-throughput multigene expression
- Functional protein cell-free production
- From gene to structure



« The Creatives »

Your needs, our expertise.

- Starting from your « ad hoc » expectations, we help you choose the best methodology for a custom-made project.





OUR MAIN PARTNERS

In silico Engineering



MABSilico



Protein analysis



Structural biology



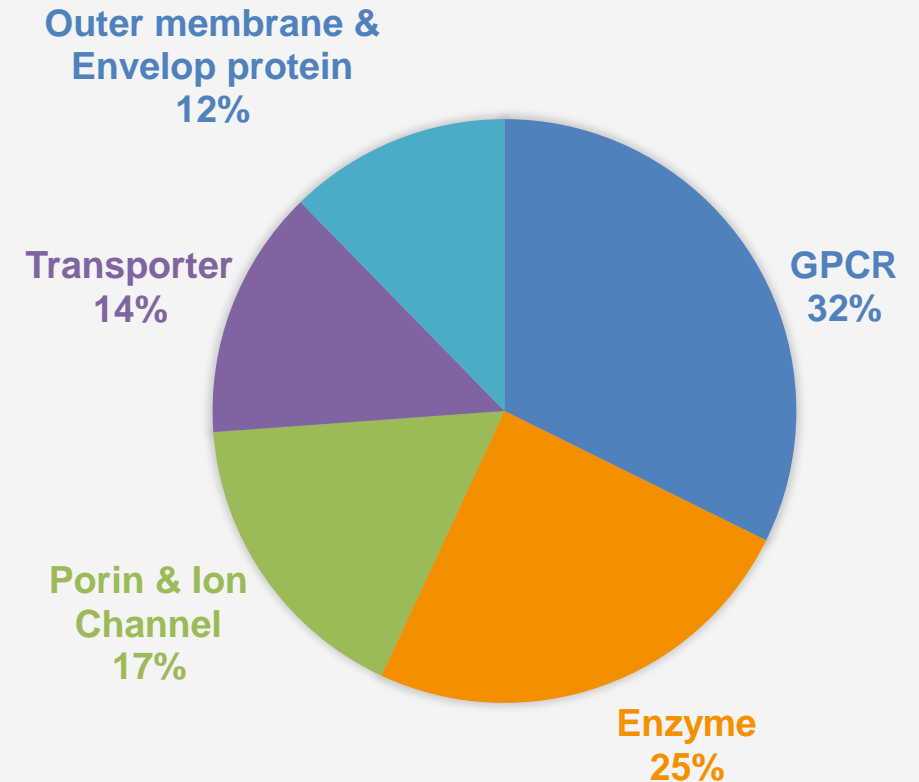
Screening





OUR TRACK RECORD:

- **+100** client portfolio (pharma, biotech & academics)
- **+200** difficult-to-express proteins successfully produced to date
- **> 90%** of proteins successfully expressed
- **+80%** with demonstration of activity





5 take-home messages

- Team and company **dedicated to recombinant protein** expression and characterization
- Strong **expertise in cell-free** protein expression & proprietary system
- **Fast, flexible** and **cost-effective** technology for any type of proteins
- **Efficient technology** to solve any issue with cell based systems: aggregation, instability, cytotoxicity, truncation...
- **On-going scale-up** of the technology



Thanks for your attention !

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