

In This Edition



Let's do it !



2

Article : a year in biotechnology, and what's ahead!

6

About us : Réseau Biotechno's Manifesto and 2025 board

8

REAL section : our recommendations of the month

9

Special event and events calendar

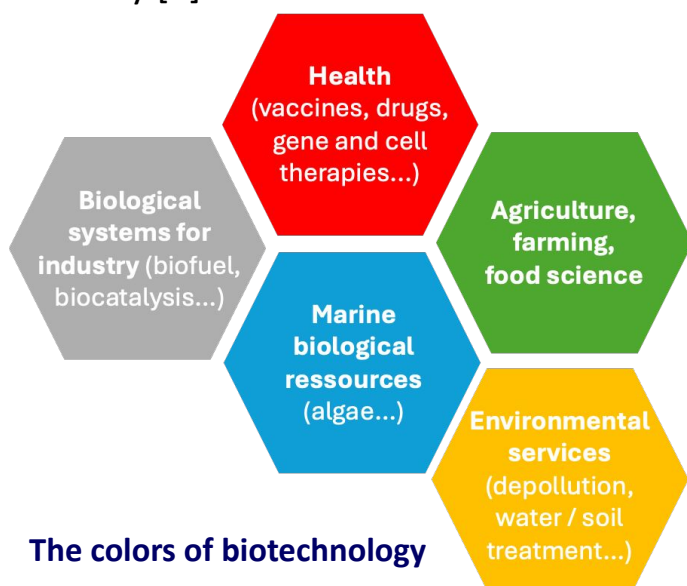
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A year in the biotech industry, and what's ahead!

By Alice Le Fricc

What is biotechnology?

In the words of the OECD*, biotechnology is *“the application of science and technology to living organisms, as well as parts, products and models of them, to alter living or non-living materials for the production of knowledge, goods and services”*. It's no wonder then, that the biotech sector is critical to ensure **“One Health”** for humans, animals and ecosystems! The overall global biotechnology market size was EUR 720 billion in 2021 with a growth rate of more than 18% annually [1].



A [recent analysis of patented biotechnology inventions](#) worldwide [2], reveals that 96% of biotech patents concern red (medical) and white (industrial) biotechnologies. Germany and France have the highest number of applicants in the EU, accounting for > 50% of all EU biotech patents.

To boost biotechnology and biomanufacturing in the EU, the European Commission identifies several priorities [1] : streamlining legislation, support for scale-up, cooperation with international partners, fair comparison between bio-based and fossil-based products, encouraging investment, reviewing of the EU Bioeconomy strategy and accelerating the uptake of AI in biotechnology. **In the next pages, we take a closer look at Red Biotech (Healthtech) in France.**

*Organisation for Economic Co-operation and Development

[1] [Building the future with nature: Boosting Biotechnology and Biomanufacturing in the EU](#). European Commission (and associated **factsheet**)

[2] *The global landscape of biotech innovation: state of play*. EU Science Hub, Joint Research Center.

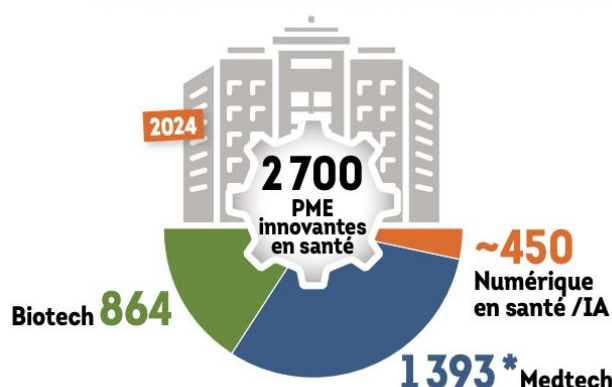
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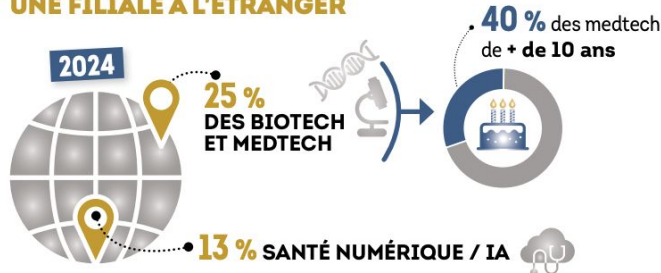
A Zoom on Healthtech in France

[France Biotech](#) (a professional association uniting over 2700 companies) and their expert partners unveil the much-awaited [2024 France Healthtech Panorama](#), a detailed analysis of a year in the industry, and glimpse into what 2025 may hold! We strongly encourage you click on the link to check out the [full study](#)!

PME INNOVANTES EN SANTÉ EN 2024

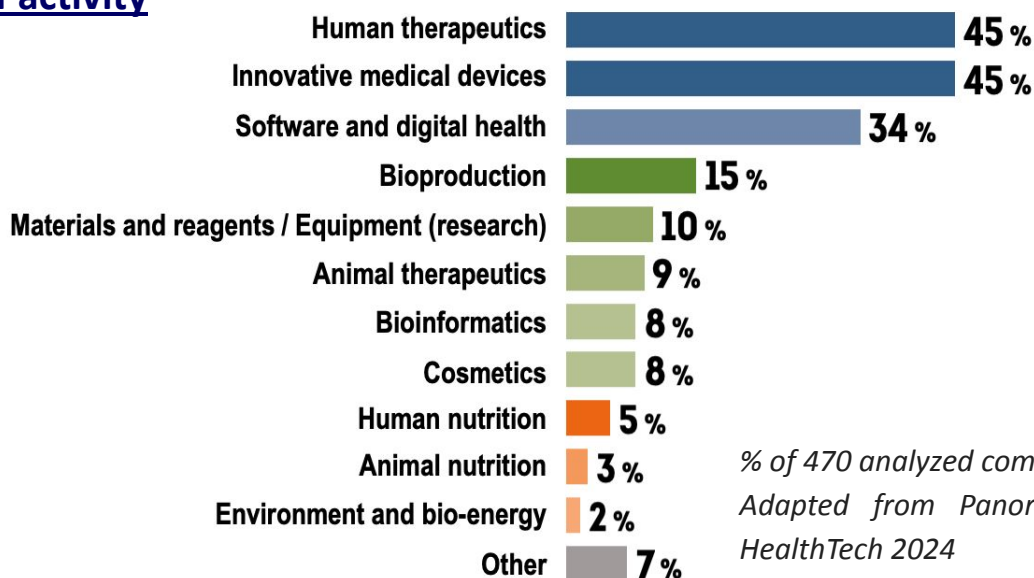


PART D'ENTREPRISES POSSÉDANT UNE FILIALE À L'ÉTRANGER



Left : 2700 innovative healthtech SMEs, of which 864 biotech, 1393 medtech, and 450 digital health/artificial intelligence SMEs. Right : 25% of biotechs and medtechs in France have a branch abroad (40% for companies who are more than 10 years old), 13% for digital health/AI companies.

Sectors of activity



% of 470 analyzed companies.
Adapted from Panorama France HealthTech 2024

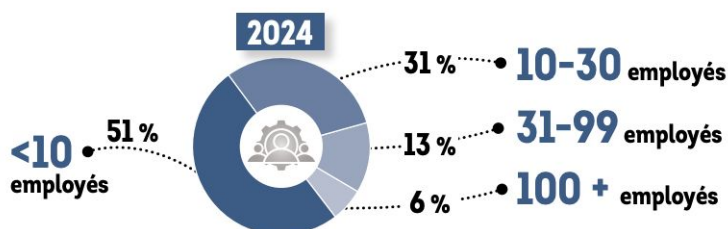
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Employment in the field

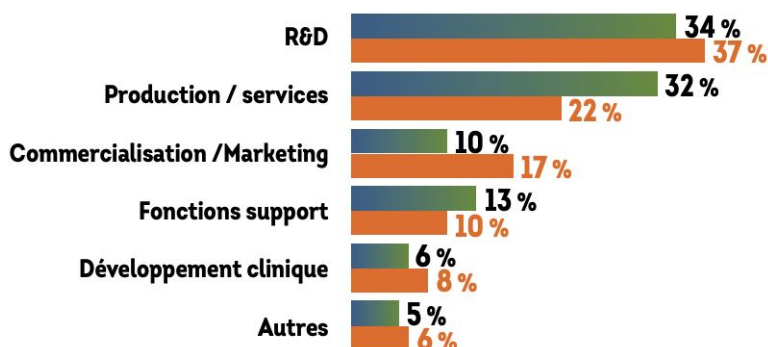
The healthtech industry provided an estimated 75 600 direct jobs in France in 2024. Though there were fewer jobs than in 2023, an increase is expected this year. With 83% of the 504 analyzed companies planning to hire in 2025, these companies alone represent a possible 2126 new jobs! Of these potential new positions, 45% are in R&D, 22% in production and 17% in sales and marketing.

EFFECTIFS DES SOCIÉTÉS (% d'entreprises)



Source : France Biotech, 504 sociétés, janvier 2025

DISTRIBUTION DES EFFECTIFS EN 2024 ET RECRUTEMENTS PRÉVUS PAR LES ENTREPRISES EN 2025



Source : France Biotech, 516 sociétés, janvier 2025

2024

HealthTech industry overall :

approx. **75 600** direct jobs

504
companies

analyzed in
France
Biotech's panel

68% hired new staff
in 2024

14% reported
redundancies in 2024

83% plan to hire in 2025

Adapted from Panorama France HealthTech 2024

1 in 2 of the 504 analyzed companies had fewer than 10 employees in 2024, 31% have between 10 and 30, 13% between 31 and 99 and 6% more than 100.

Most employees were part of R&D, production or sales / marketing (employment in R&D should progress in 2025). Support staff, clinical development and other positions employed respectively 13%, 6% and 5% of healthtech staff in 2024.

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Challenges and 2025 trends

[BpiFrance](#), the French agency for innovation, teams up with France Biotech and shares key industry challenges in 2025 (page 59 of the study!). Market access, industrialization in France, efficiency of our healthcare system and environmental transitions remain crucial national priorities supported by the France 2030 plan.

Medical devices	Digital tools	Biotherapy Bioproduction	Infectious diseases
<ul style="list-style-type: none"> • Implantable devices • Surgical robotics 	<ul style="list-style-type: none"> • Market access • Real-life use in healthcare • Regulatory support 	<ul style="list-style-type: none"> • Increasing bioproduction in France • Reducing the cost of biotherapies 	<ul style="list-style-type: none"> • Regulatory support • Demonstrating preclinical efficacy

BioTech or TechBio ?

TechBios, or companies using artificial intelligence to accelerate R&D, made strong progress in 2024.



France Biotech has identified 22 TechBio companies in France that use AI to improve drug discovery. Oncology emerges as the main therapeutic area, and small molecules as the main therapeutic agents. Watch this space!

Our 2025 Manifesto: a year of growth and opportunity!

2025 marks the **25th anniversary of Réseau Biotechno**, our non-profit network dedicated to the **professional integration of students and young researchers in biotechnology and life science!** Our activities and events facilitate the sharing of knowledge, advice, skills, and access to diverse professional opportunities. We aim to become a leading national network, recognized for our ability to support innovative initiatives and the development of promising careers in the field! In 2024, 10 associations all over France were part of the Réseau Biotechno.



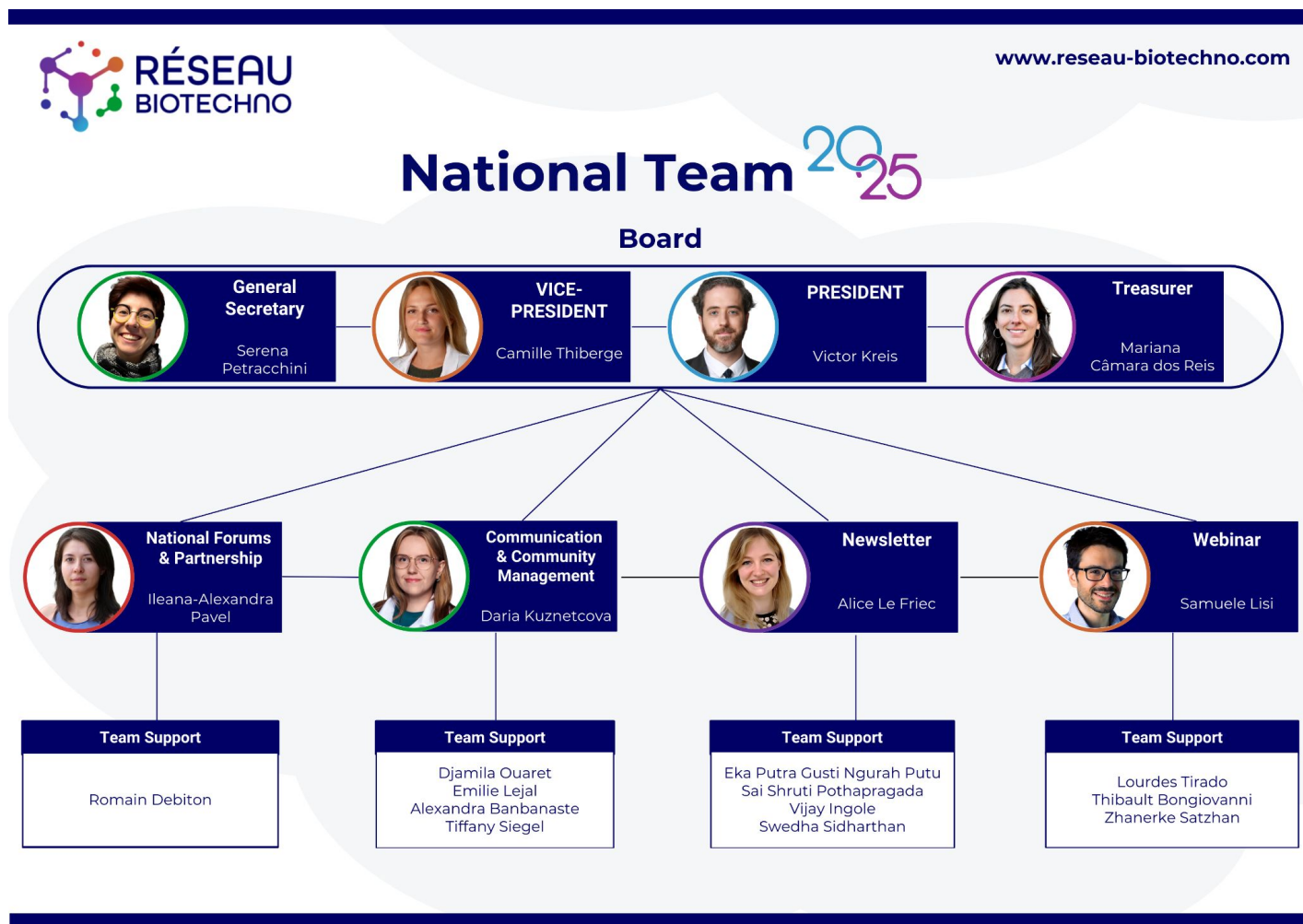
Tell us your story!

Navigating a career in life science isn't always easy! Early career life science students and researchers have a lot to gain from your experience! We are always looking for professionals of all career stages to share more about their role, job searching experience, career path, institute or company, lessons learned, ambitions for the future and more. Get in touch, and participate in a testimonial, interview, Forum workshop, or webinar roundtable!

Together, let's foster a dynamic, interdisciplinary network that promotes collaboration and access to professional opportunities!

Let's welcome our 2025 National Team!

Meet our dedicated national team, responsible for coordinating the network of member associations and volunteers, as well as providing support for all of the Réseau's activities.



A word from our President, [Victor Kreis](#)

“As the new President of the Biotechno Network, I would like to take this opportunity to introduce my mission and commitment to our community. Throughout my journey, I will ensure that our actions are centered around supporting our member associations and their dedicated volunteers. My priority is to create an environment where everyone can find their place and gain a truly valuable and enriching experience within the network.”

The **REAL** section (for **Read** – Analyze – Listen) highlights our recommendations of the month.



What you can **READ** this month ?

- ***How to share science with the public when your research is secret***, by Adam Ruben for Science Careers

If you can't disclose your research, that doesn't mean you can't share your passion for science with the public! Tips on how to do so [here](#)!

- ***Rencontre avec les femmes de science : des parcours inspirants***, by Eurasanté (in French language)

Gain inspiration from innovative women in science who are building the future of biotech and health in the north of France, interviewed by Eurasanté. Check out their portraits [here](#)!



What you can **ANALYZE** this month ?

- ***PhD Career Choice Indicator***, by Sarah Blackford of Bioscience Careers

This tool, designed for PhDs, can be useful for students and early career professionals alike! The goal is to help you define what you are looking for in an ideal job, as well as summarizing career options in biosciences. Discover, or rediscover the tool [here](#)!



What you can **LISTEN** to this month ?

- ***HelloPhD podcast***

Rediscover this entertaining podcast tackling a variety of topics spanning undergraduate to postdoc, such as diversity, lab skills, impostor syndrome, mentorship, and more! Check it out [here](#).


Feb

 24th
PhD Job Day 2025 University of Lille
When: Monday, 24th of February

Where: Lille

This event is dedicated to Master students, PhD students and PhDs and their career development. Check out CV workshops, job offers, LinkedIn advice, roundtables, PhD advice and more! Free but mandatory sign up [here](#).


Feb

 27th
Afterwork PhDTalent x Réseau Biotechno
When: Thursday, 30th of January

Where: Bar "Le Piano Vache", Paris

Join the first PhDTalent and Réseau Biotechno afterwork of the year and meet like-minded people in a friendly atmosphere. For more information and to sign up, click [here](#).



X


March

 10-16th
Semaine du Cerveau (Brain week)
When: 10-16th of March

Where: several cities all across France (most events in French language)

A week dedicated to all things brain, organized every year by La Société des Neurosciences. There is a great variety of free events to choose from throughout the country. Find the full programme [here](#).


March

 26-27th
Enviropro Grand Ouest
When: Thursday and Friday 26-27th of March

Where: Angers

Meet the professionals developing environmental solutions, from wastewater treatment, to depollution, to biodiversity and ecology and more. For your free ticket to the event and to check out the exhibitors, click [here](#)

