

La Lettre de l'ESBS



Admin' Corner

New representatives elected to the ESBS Council

As part of the by-elections to the ESBS Council from December 2nd to 4th, 2025, several positions were to be filled within the Faculty and Related Staff College:

- Pr. Vladimir Torbeev, **newly elected**

as well as the User Representatives College. Discover the **newly elected representatives**: Nina Goutorbe, Robin Drop, Marina Praud, Abdul Waheed, Estelle Paillette, Raphaël Bonnin, Maëlle Denys, David Lebunetel, Niouma Diagana.

Congratulations on their election. We already extend our thanks for their commitment to the life and governance of the school!

A year already rich in events

University & Post-Baccalaureate

Program Day

 05th & 06th February

Campus Open Day

 March 7th

Biotech Hackathon

 From March 27th to 29th

ESBS Immersion

Day

 03th February

ESBS Council

 April 10th at 10:00am

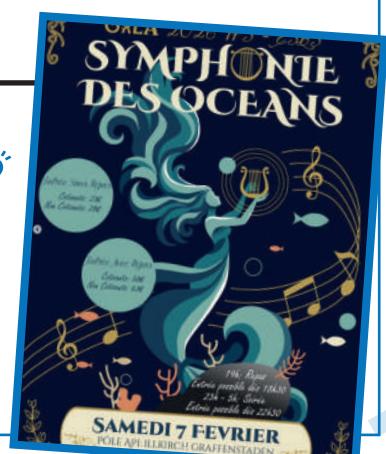
General Assembly

 July 2nd at 11:00am

Students Corner

Symphony of the Oceans: dive into the gala night

Let yourself be carried away by the rhythm and dance to the Symphony of the Oceans at the Gala on **February 7th, 2026**. The TPS-ESBS Gala Association



La Lettre de l'ESBS



invites you to an unforgettable evening at the Pôle API for the gala of the two engineering schools.

Qualité Corner

Outcome of the ISO 9001 renewal audit ☀

Initiated in 2023 with the certification of the Biotechnology Engineering program, followed in 2024 by the certification of the ChemBiotech Engineering program, ESBS has **further strengthened its quality management system** for engineering education in December 2025 by **successfully meeting the requirements of the AFAQ certification renewal audit**, conducted on 15 and 16 December. This achievement reflects a shared commitment to improving the school's organisational structure and the overall quality of its academic programs.

The AFNOR audit report is already available for consultation in the ESBS Quality ERNEST platform. The implementation of this global quality approach, aimed at **simplifying, improving, and sustaining** sometimes complex procedures and processes, is continuing with the integration of the Master's program in biotechnology.

Focus Biotech'

A weekend dedicated to biotech innovation and exchange ☀

From November 7 to 8, 2025, the **first edition of the Biotech Weekend** took place in collaboration with the Nouvelle Génération des Biotechnologues association and the ESBS Alumni Association. This event brought together the annual scientific forum, the Biotech Day, and the Alumni Day, creating a unique opportunity to build connections between students, researchers and industry professionals, alumni, and biotechnology enthusiasts.

La Lettre de l'ESBS



A look back in pictures at this event, which was supported by the University of Strasbourg as part of the call for projects from the Socio-Economic Relations Division.



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We would like to warmly thank the event sponsors, as well as the speakers and contributors who shared their insights and expertise on **big pharma**, the evolution of our diets, neurodegenerative diseases, environmental and cosmetic biotechnology, biotechnology funding, and many other inspiring topics.



La Lettre de l'ESBS



Research Corner

From research to impact: focus on Iago Pereiro, Maître de conférences at the ESBS ☺

A little bit about you...

I'm Iago Pereiro, a new Maître de Conférences associated with the **Exa2bio project** and the school's new bioproduction program. My background is at the interface of biology, physics, and engineering. What is perhaps unique about my profile is that I've spent my post-thesis career conducting academic-level research within industry, specifically at IBM and Roche.



☺ Iago Pereiro

You & the ESBS ☺

ESBS is a highly respected school with a specialized focus on biotechnology having access to a **rare international partnership** with Freiburg and Basel and a great biotech campus environment with research institutes, cleanroom platforms, and vibrant biotech and pharma companies.

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I am excited to help the school break molds through a new type of hands-on and industry-linked teaching, particularly by helping to create our new "school factory" for organoid production. Here, students will participate in projects that mirror a professional company context.

La Lettre de l'ESBS



ESBS students are highly selected for their abilities and motivation. Beyond academic excellence, we want them to learn to adapt dynamically and develop interpersonal skills within a professional setting. In that regard, the "school factory" concept will help by exposing them to how the different functions of a company work together, providing a practical framework to prepare them for the world of work.

Shaping tomorrow 

The main theme of my research is leveraging **microfluidic** and **microfabrication** approaches for biological and biomedical applications. This includes diagnostics –analyzing biomarkers such as cell-free DNA from blood or beta-amyloids from cerebrospinal fluid (CSF)– and the emerging area of **organoids-on-chip**, specifically using millifluidic platforms to control the developing phenotypes of these in vitro models.



My objective is to **integrate these approaches into microfabricated devices** that combine neural 3D in vitro models with automated biomarker detection. By mimicking disease mechanisms on-chip, I aim to monitor how released biomarkers shift during disease progression and drug testing.

Such platforms would provide a unified tool to evaluate drug efficacy in vitro and offer mechanistic insights into biomarker dynamics, helping to **refine** and **interpret liquid biopsy results for monitoring patient response**.

2026

Remaining at the heart of training engineers capable of addressing the major challenges of biotechnology, ESBS wishes you a happy new year driven by innovation and responsible progress ☺