

European Society for Biomaterials-YSF (ESB-YSF) Board Elections Application Form

It should not exceed two A4 pages and should include a photo of the candidate.

Name: Karina Egle

Nationality: Latvian

Date of birth: December 25, 1995



Current position (position, affiliation): Researcher at Institute of Biomaterials and Bioengineering, Faculty of Natural Science and Technology, Riga Technical University, Riga, Latvia

Research interests (5 keywords): Drug and bioactive molecule delivery, blood derivatives, bone regeneration, biomaterials, *in vitro* studies

Position applied for (please rank your preferences from 1 (most preferred position) to 6 (less preferred position)):

5	YSF Spokesperson
2	YSF communication and dissemination officer
3	YSF educational officer
4	YSF secretary
1	YSF national chapters liaison officer

Past ESB conferences attended:

1. L. Andza, M. Andzs, V. Nefjodovs, J. Zoldners, U. Milbreta, M. Skute, **K. Egle**, A. Dubnika. Alkil-pretreated densification of birch wood for potential use in osteosynthesis bone implants. 34th Annual Conference of the European Society for Biomaterials, **2025**, 7th-11th September, Turin, Italy (poster co-author).
2. **K. Egle**, E. Dohle, V. Hoffman, I. Salma, S. Al-Maawi, S. Ghanaati, A. Dubnika. Fucoidan/chitosan hydrogels for sustained delivery of platelet-rich fibrin containing growth factors. 33rd Annual Conference of the European Society for Biomaterials, **2023**, 4th-8th September, Davos, Switzerland (poster presenter).
3. **K. Egle**, E. Dohle, V. Hoffmann, I. Salma, S. Al-Maawi, S. Ghanaati, A. Dubnika. Fucoidan/chitosan hydrogels as matrices for sustained delivery of platelet-rich fibrin containing bioactive molecules. 32nd Annual Conference of the European Society for Biomaterials, **2022**, 4th-8th September, Bordeaux, France (poster presenter).
4. **K. Egle**, A. Dubnika. Development of fibrin matrices for sustained drug delivery. 31st Conference of the European Society for Biomaterials, **2021**, 5th-9th September, Porto, Portugal (poster presenter, online).

Candidate summary (max 1 page)

Motivation:

I am highly motivated to apply for the position of YSF National Chapters Liaison Officer because I strongly believe that collaboration and active networking are the foundation of scientific progress — especially for young researchers. As a dedicated early-career scientist in the field of biomaterials, I have experienced how international connections and shared enthusiasm can shape careers, inspire new ideas, and create opportunities that go far beyond the laboratory.

Through my active involvement in the biomaterials community and participation in various European projects and conferences, I have developed a deep appreciation for the ESB-YSF mission. I want to contribute by strengthening the bridge between national chapters and the wider YSF network, ensuring that young researchers from all backgrounds and countries feel connected, supported, and represented. My vision is to create a vibrant, well-coordinated community that encourages collaboration, visibility, and the exchange of innovative ideas across Europe.

Possible Achievements:

- Strengthening communication and collaboration between existing YSF national chapters and supporting the formation of new ones.
- Facilitating joint online and in-person events (e.g., webinars, workshops, short courses) to promote active participation across countries.
- Enhancing the visibility of YSF activities through coordinated communication and social media outreach.
- Encouraging early-career researchers to participate in ESB and YSF initiatives, fostering international cooperation and mentorship opportunities.

Communication skills:

I have developed strong communication and coordination skills through academic presentations, international collaborations, and mentoring activities. My experience organizing workshops and contributing to scientific outreach has strengthened my ability to engage with diverse audiences and foster constructive dialogue. I am confident in facilitating collaboration and ensuring clear, open, and motivating communication between teams and individuals.

Any other ideas/remarks:

I would be excited to explore innovative ways of connecting national chapters — such as online “YSF Connect” sessions or a shared newsletter highlighting young researchers’ achievements. My goal would be to make the network not only more visible but also more dynamic and supportive, reflecting the collaborative spirit of the ESB community.