

PUBLIC LECTURE EVALUATION

Masaryk University

Faculty	Faculty of Science
Procedure field	Molecular Biology and Genetics
Applicant	doc. RNDr. Eva Bártová, Ph.D., DSc.
Lecture date	October 13, 2023
Lecture topic	Epigenetic processes in embryonal stem cells
Persons present	71
Designated evaluators	prof. RNDr. Jan Šmarda, CSc. (on-site) prof. RNDr. Jiří Doškař, CSc. (on-site) prof. RNDr. Libor Grubhoffer, CSc. (online)

Doc. Eva Bártová's 50-minute lecture was excellent in both content and form. From the introduction to the general principle and importance of epigenetic processes in cells, to the description of individual examples of chromatin modifications and their regulatory role, to the latest findings on the mechanisms of repair of damaged DNA in the context of methylation processes in embryonic stem cells, the concept was clear, didactic, and focused. While in the introductory part of the lecture doc. Bártová gave a general overview of the state of knowledge in this field, in the second part she focused on her own research work and results, with which she enriched the topic. As was evident from the ensuing discussion, the audience was particularly interested in the relationship between epigenetic changes and the repair of damaged DNA, in the topic of epitranscriptomics, and in new methodological approaches resulting from the development of high-resolution optical/fluorescence microscopy. The lecture was easy to understand thanks to the clear and cultured language and the rich illustrations, microphotographs, and video recordings shown on the screen. The lecture was followed by a lively discussion, which clearly showed that the audience was interested in the lecture and motivated to think about the given topic.

Conclusion

The lecture delivered by Eva Bártová, entitled "Epigenetic processes in embryonal stem cells" and delivered as part of the professor appointment procedure, **demonstrated** sufficient scholarly qualifications and pedagogical capabilities expected of applicants participating in a professor appointment procedure in the field of Molecular Biology and Genetics.

The lecture took place in a hybrid form at Masaryk University Campus, Brno, auditorium B11/306 on October 13, 2023 at 10:00 a.m. The above-mentioned members of the board attended the lecture and provided its evaluation. All designated evaluators are familiar with the text of the evaluation and agree with it.

Date: October 13, 2023

prof. RNDr. Jan Šmarda, CSc.

prof. RNDr. Jiří Doškař, CSc.