

PUBLIC LECTURE EVALUATION

Masaryk University

Faculty	Faculty of Science
Procedure field	Molecular Biology and Genetics
Applicant	doc. Mgr. Petr Beneš, Ph.D.
Lecture date	October 20, 2023
Lecture topic	Oncogene or tumor suppressor – too simplistic view in tumor biology
Persons present (number)	71
Designated evaluators (board members)	prof. RNDr. Jiří Doškař, CSc. (on-site) Prof. Jonathan Frampton (online) prof. RNDr. Lubomír Tomáška, DrSc. (online) doc. Mgr. Jan Bouchal, Ph.D. (online) prof. RNDr. Ondřej Slabý, Ph.D. (online)

In the introductory part of the lecture, Petr Beneš summarized the historical development of cancer research and presented a current view of the origin of tumors. During this introductory part, he defined the main factors that are involved in tumorigenesis, especially somatic mutations in oncogenes and tumor suppressors, epigenetic modifications, and the influence of the environment. In the second part of the lecture, he described his own research, which is focused, among other subjects, on the importance of the MYB oncoprotein in the development and progression of colon and breast tumors. In this part, he demonstrated that MYB can function both as an oncoprotein and a tumor/metastatic suppressor, depending on the tumor type or subtype. Petr Beneš's 45-minute lecture was excellent in both content and form. The lecture was easy to understand thanks to the clear and cultured language and the demonstrative illustrations. The lecture was followed by a rich discussion, which reflected the audience's interest in the topic, especially the dual role of selected proteins and signaling pathways in tumorigenesis.

Conclusion

The lecture delivered by Petr Beneš, entitled "Oncogene or tumor suppressor – too simplistic view in tumor biology", 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, auditorium B11/306 on October 20, 2023, from 10.00–11.20 am. 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 25, 2023

prof. RNDr. Jiří Doškař, CSc.

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