

PUBLIC LECTURE EVALUATION

Masaryk University

Faculty	Faculty of Science
Procedure field	Molecular Biology and Genetics
Applicant	RNDr. Jan Škoda, Ph.D.
Lecture date	25. 10. 2024
Lecture topic	Finding novel therapies for high-risk pediatric tumors
Persons present (number)	57 on-site, 4 online
Designated evaluators (board members)	prof. Mgr. Vítězslav Bryja, Ph.D. (on-site) prof. RNDr. Jan Šmarda, CSc. (on-site) doc. RNDr. Daniel Rösel, Ph.D. (on-site) Assoc. Prof. Dr. Frank Westermann (on-site) doc. MUDr. Eva Froňková, Ph.D. (online)

The public lecture of Dr. Jan Škoda was a captivating and comprehensive presentation which demonstrated his complex knowledge within the field of molecular and cancer biology. Dr. Škoda took the audience for an adventurous journey focused on finding novel therapies for high-risk pediatric tumors, a highly current and relevant topic. The lecture was well structured and logically organized, clearly defining and subsequently explaining key concepts and challenges in the field of pediatric tumor treatment.

The habilitation thesis has been evaluated by three independent reviewers whose evaluation was overall supportive, appreciating its quality both content- and style-wise. The discussion after the lecture focused on the clinical trials focused on metabolisms and OXPHOS inhibitors; importance of his publications in regard to his motivation and career progress; variability of phenotypes within mitochondria and changes of their number after DOXY treatment; relation of individual's development and development/emergence of tumor; metalloproteases and chelating effects of DOXY; mouse/zebrafish models for neuroblastomas; and off-target effects of DOXY in Tet On/Off system and alternative systems. While answering the questions of both reviewers and audience, Dr. Škoda proved himself to be the real expert in the field and thus affirmed his qualification for habilitation.

Conclusion

The lecture delivered by Dr. Jan Škoda, entitled "Finding novel therapies for high-risk pediatric tumors" and delivered as part of the habilitation procedure, **demonstrated** sufficient

scholarly qualifications and pedagogical capabilities expected of applicants participating in a habilitation procedure in the field of Molecular Biology and Genetics.

The lecture took place in a hybrid form at 10 a.m. at the University Campus Bohunice. 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: 25.10.2024

Vítězslav Bryja

Jan Šmarda

Daniel Rösel

Frank Westermann