MUNI

Annex No. 11 to the MU Directive on Habilitation Procedures and Professor Appointment Procedures

PUBLIC LECTURE EVALUATION

Masaryk University	
Faculty	Faculty of Science
Procedure field	Organic Chemistry
Applicant	Mgr. Jakub Švenda, PhD
Lecture date	3. 10. 2024
Lecture topic	Fully synthetic analogs of bioactive natural products
Persons present (number)	84
Designated evaluators (board members)	prof. Ing. Vladimír Šindelář, Ph.D. (in person) prof. Mgr. Jiří Damborský, Dr. (in person) prof. RNDr. Martin Kotora, CSc. (in person) prof. RNDr. Milan Pour, Ph.D. (in person)

The public lecture took place at Masaryk University Campus Bohunice, building B11, room number 132 from 14:00. The lecture was delivered in English and took 45 minutes, followed by a 20 minute discussion. All domestic members of the habilitation board were present in person. The international member, Prof. Dr. Oliver Reiser, was connected online.

The opening part of the lecture was devoted to introducing natural product synthesis in context with the fields of biochemistry and medicinal chemistry. In the main part of the lecture, Dr. Švenda described his most important achievements. He discussed the synthetic approaches that lead to three biologically relevant classes of compounds and their analogs, namely, pseurotin, forskolin, and bactobolin. Dr. Švenda clearly explained the motivation for each project in relationship to the biological relevance of these compounds. He emphasized the key synthetic steps of each transformation, and explained their importance and significance. The scientific content of the lecture was well balanced. It was easy to understand for the general public, but details of interest to experts in the field were also included. The lecture was delivered in clear and cultured language, and accompanied with illustrative examples. Dr. Švenda concluded his lecture with a brief overview of ongoing research in his laboratory, hinting at exciting new targets and methodologies his team is currently exploring in the realm of natural product synthesis.

The lecture was followed by an extensive discussion that showed the audience's interest in the presented topic. Specific questions from the reviewers were also answered during the discussion. Dr. Švenda addressed these questions thoroughly, providing additional context, and occasionally speculating on future developments in the field. He also encouraged the audience, especially younger students, to consider careers in natural product synthesis, emphasizing its continued relevance in addressing global health challenges.

Conclusion

The lecture delivered by Jakub Švenda, entitled "[lecture title]" and delivered as a part of the habilitation procedure, **demonstrated** sufficient scholarly qualifications and educational capabilities expected of applicants undertaking a habilitation procedure in the field of Organic Chemistry.

The above-mentioned members of the board provided their evaluation. All designated evaluators are familiar with the text of the evaluation and agree with it.

Date: October 3, 2024

prof. Ing. Vladimír Šindelář, Ph.D.

prof. Mgr. Jiří Damborský, Dr.

prof. RNDr. Martin Kotora, CSc.

prof. RNDr. Milan Pour, Ph.D.