

Masarykova univerzita

Fakulta

Obor řízení

Uchazeč

Pracoviště uchazeče

Habilitační práce

Složení komise

Předseda

Členové

Přírodovědecká fakulta

Organická chemie

Mgr. Jakub Švenda, PhD

Přírodovědecká fakulta, Masarykova univerzita

Synthetically modified complex natural products

prof. Ing. Vladimír Šindelář, Ph.D.

Přírodovědecká fakulta, Masarykova univerzita

prof. Mgr. Jiří Damborský, Dr.

Přírodovědecká fakulta, Masarykova univerzita

prof. RNDr. Milan Pour, Ph.D.

Katedra organické a bioorganické chemie, Farmaceutická fakulta v Hradci Králové, Univerzita Karlova

prof. RNDr. Martin Katora, CSc.

Katedra organické chemie, Přírodovědecká fakulta, Univerzita Karlova

Prof. Dr. Oliver Reiser

*Institute of Organic Chemistry, Faculty of Chemistry and Pharmacy, University of Regensburg, Německo***Hodnocení vědecké / umělecké kvalifikace uchazeče**

Mgr. Jakub Švenda, Ph.D., obtained his master's degree from Masaryk University in 2004. He conducted his master's thesis under the supervision of Dr. Petr Beňovský. In his master's thesis, he explored the potential of stereoselective Ugi reactions. In 2004, he was accepted to a graduate program at Harvard University. His PhD thesis, conducted in the group of Prof. Andrew G. Myers, dealt with a convergent synthetic route to trioxacarcins. Dr. Švenda gained his international work experience during his postdoctoral stay at the Max Planck Institute of Molecular Physiology, working under the guidance of Prof. Herbert Waldmann between 2010-2012. In 2013, he accepted an assistant position at the Department of Chemistry, Faculty of Science, Masaryk University, where he established his independent research group.

In his research, Dr. Švenda develops original synthetic strategies for preparing naturally occurring compounds and their derivatives. These compounds are important not only for their interesting structure but also for their biological activity with potential applications in the pharmaceutical industry. He has published 20 articles in prestigious scientific journals, including JACS and Angew. Chem., which has been cited 330 times. His H-index is 11. Dr. Švenda has been the principal investigator of six grants, including three grants from the Czech Science Foundation (GACR) and the Marie Curie Career Integration Grant. He has received five awards, including the Theme Chemistry Award for early career achievements (2018) and the GACR President's Award (2018).

Závěr: Vědecká / umělecká kvalifikace uchazeče **odpovídá** požadavkům standardně kladeným na uchazeče v rámci habilitačních řízení v oboru Organická chemie.

Hodnocení pedagogické způsobilosti uchazeče

Dr. Švenda has been teaching in the Department of Chemistry, Faculty of Science, MUNI since 2014. His teaching activities involve Organic Chemistry I and II classes and Advanced Organic Synthesis. He also organizes the Field seminars specialized in Organic Chemistry. He has supervised 17 bachelor and 8 master students. Two PhD students successfully defended their theses under his supervision. He is an internal member of the doctoral committee of the program Chemistry specialized in Organic Chemistry.

Dr. Švenda demonstrated his excellent pedagogical skills during his public lecture, which was positively received by the audience and the members of the habilitation board.

Závěr: Pedagogická způsobilost uchazeče **odpovídá** požadavkům standardně kladeným na uchazeče v rámci habilitačních řízení v oboru Organická chemie.

Hodnocení habilitační práce uchazeče

The habilitation thesis was evaluated by three reviewers: Prof. Dr. Karl Gademann (Department of Chemistry, Faculty of Science, University of Zurich, Switzerland), Prof. Dr. Mathias Christmann (Department of Biology, Chemistry, and Pharmacy, Freie Universität Berlin, Germany), and Prof. Dirk Trauner (Department of Chemistry, School of Arts and Sciences, University of Pennsylvania, USA). All three reviewers are internationally recognized experts in the field of synthetic organic chemistry.

The reviewers agreed that the work presented in Dr. Švenda habilitation thesis is highly original and significantly advanced the field of synthetic organic chemistry, with a particular focus on the total synthesis of complex natural products and the development of innovative synthetic

methodologies. They valued his work for its exceptional quality and see Dr. Švenda as one of Europe's most creative young chemists in organic synthesis.

Závěr: Úroveň habilitační práce uchazeče **odpovídá** požadavkům standardně kladeným na habilitační práce v oboru Organická chemie.

Výsledek tajného hlasování komise

Hlasování se uskutečnilo: elektronicky

Počet členů komise		5
Počet odevzdaných hlasů		4
z toho	kladných	4
	záporných	0

Návrh komise

Na základě výsledku tajného hlasování následujícího po zhodnocení vědecké / umělecké kvalifikace, pedagogické způsobilosti a úrovně habilitační práce uchazeče předkládá komise Vědecké radě Přírodovědecké fakulty Masarykovy univerzity návrh **jmenovat uchazeče docentem** v oboru Organická chemie.

V Brně dne 10.10.2024

prof. Ing. Vladimír Šindelář, Ph.D.

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