



Stanovisko hodnotící komise k návrhu na jmenování profesorem

Masarykova univerzita

Fakulta

Obor řízení

Uchazeč

Pracoviště uchazeče

Složení komise

Předseda

Členové

Přírodovědecká fakulta

Fyziologie živočichů

Vítězslav Bryja

Přírodovědecká fakulta, MU

prof. RNDr. Alois Kozubík, CSc.

Přírodovědecká fakulta, MU

prof. Ing. Petr Dvořák, CSc.

Lékařská fakulta, MU

prof. RNDr. Marek Jindra, CSc.

BC AV ČR České Budějovice

prof. RNDr. Jan Černý, Ph.D.

PřF UK Praha

Prof. Dr. Madelon Maria Maurice

UCM Utrecht

Hodnocení vědecké / umělecké kvalifikace uchazeče

Evaluation of the applicant's scholarly/artistic qualifications

Vítězslav Bryja can be characterized as an outstanding and immensely creative expert in the field of molecular, cell and developmental biology. He started working in Czech laboratories (Institute of Biophysics/ Faculty of Science, MU) more than ten years ago, after completing his long-term research fellowship abroad (at Karolinska Institutet, Sweden). His results were so outstanding that he was immediately offered an opportunity to establish his own research group and develop a specialized path focused on cell signaling, especially on the Wnt family molecules in human normal and tumor cell populations, and the application of the results in anti-tumor therapy. The group he leads steadily shows excellent results, both in the volume of funds raised and in the number of publications and their quality.

At present time Vítězslav Bryja is a key member of the Institute of Experimental Biology of the Faculty of Science at MU, where he contributes significantly to the development of the field. He acts very systematically and efficiently, which has been manifested by a number of measurable activities and outputs:

He has published in prestigious international journals (e.g. Cell, Nature, PLOS Biology, PNAS or EMBO Journal). His scientific publishing activity is extensive, which is reflected by the h-index with the value of 33. The number of his citation responses has reached approx. 3000, excluding auto-citations.

His experience with planning and resolving scientific grant projects is impressive. He has received several (in total 20) domestic as well as prestigious foreign projects, such as the EMBO installation Grant, the International Training Network Wnts App project supported by FP7, the OPVK project and several GACR projects.

Extensive international cooperation with prestigious foreign institutions can also be documented. He coordinates scientific work on the international level - here I can highlight the KI-MU project (cooperation between Karolinska Institutet and Masaryk University in the field of biomedicine, OPVK 2.3), which efficiently confronts researchers and PhD students at MU with top science in the world; and preparation of the Twinning project (H2020) for MU collaboration with the University of Cambridge and the Karolinska Institutet.

His work finds its practical application. He has been granted several Czech as well as international (EU, USA/Canada) patents and a utility models, among other factors, as a result of the practically oriented project VaVpl 7.3 Biotechmed. Several renowned pharmaceutical companies have shown interest in these patented technologies.

His work has been evaluated several times with prestigious awards, such as EMBO Installation Grant (EMBO 2007); the Minister of Education Award for Outstanding Results in Science, Research and Innovation 2012; the Award of the GACR Chairman for the Project Completed in 2014; Neuron Impuls 2016 (Neuron - a fund for the promotion of Science).

Conclusion: The applicant's scholarly capabilities *meet* the requirements expected of applicants participating in a professor appointment procedure in the field of Animal Physiology.

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

Hodnocení pedagogické způsobilosti uchazeče

Evaluation of the applicant's pedagogical experience

Vítězslav Bryja has been continuously working for ten years as a senior lecturer at the faculty, and also that he has been a supervisor of a number (in total 12) of doctoral students, four of whom have already defended their doctoral theses and eight are in the process of



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preparation (he has had the role of a consultant with other five successful doctoral candidates). In addition, under his guidance, eleven thesis writers and nine bachelors have defended their theses. Board members have a personal experience with his lectures both at the faculty and at specialized conferences. He can captivate the audiences, arousing their interest. The level and way of his presentation can be described without any exaggeration as an example of pedagogical mastery. This is shown well by his abilities to capture an audience. For the sake of accuracy, he is active also on international level (18 requested lectures, a number of standard abstracts and forty-four extended abstracts at conferences).

Conclusion: The applicant's pedagogical capabilities *meet* the requirements expected of applicants participating in a professor appointment procedure in the field of Animal Physiology.

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

Hodnocení uchazeče jako význačné a uznávané vědecké / umělecké osobnosti v daném oboru

Evaluation of the applicant as a respected and recognized scholarly or artistic figure in a given field

All of the above-mentioned activities have been widely acknowledged by the scientific community, as evidenced by his involvement in professional societies, commissions, scientific and editorial boards in the Czech Republic and abroad. Vítězslav Bryja has the ability to systematically and conceptually develop the subject of his research and interest. He is a generally-respected scientific personality. He is the author and co-author of more than 85 articles with a high impact factor in scientific journals, and several dozen of other scientific papers. He himself was once editor (special issue of British Journal of Pharmacology). He is active in meeting organization. E.g. he was co-organized the Wnt Meeting 2010 (Karolinska Institutet, Sweden) and was the main organizer of the EMBO Conference: Wnt Meeting 2016 in Brno, Czech Republic, and other scientific meetings. Members of evaluation board highly appreciate his professional achievements and perhaps even more, his human qualities, including, above all, his friendly manner, keeping promises and the ability to cooperate effectively.

That is why the board members strongly support the opening of the procedure for his nomination for a Professorship. Members of board have no doubt that the appointment of Assoc. Prof., Mgr. Vítězslav Bryja, Ph.D., as Professor would both be of great benefit for the Faculty of Science at Masaryk University, and it would also be an expression of appreciation of his previous research and pedagogical work, and it would be accepted with understanding by the entire scientific community.

Conclusion: The applicant *is* a respected and recognized scholarly figure in his field. The applicant *has* made a significant contribution to the development of his field. The applicant *constitutes* a leading figure in his field of scholarship or research.

Závěr: Uchazeč je význačnou a uznávanou vědeckou osobností v daném oboru. Významně se **zasluhuje** o profilování a rozvoj tohoto oboru. **Představuje** jednu z vůdčích osobností vědecké školy nebo výzkumného týmu v oboru.



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Výsledek tajného hlasování komise

Hlasování se uskutečnilo: prezenčně
 elektronicky

| | | |
|-------------------------|-----------|---|
| Počet členů komise | | 5 |
| Počet odevzdaných hlasů | | 5 |
| z toho | kladných | 5 |
| | záporných | 0 |

Návrh komise

Na základě výsledku tajného hlasování následujícího po zhodnocení vědecké / umělecké kvalifikace a pedagogické způsobilosti uchazeče předkládá komise Vědecké radě Přírodovědecké fakulty Masarykovy univerzity návrh

jmenovat uchazeče profesorem v oboru Fyziologie živočichů na zastavení řízení.

V Brně dne

28.5.2018

jméno a příjmení

prof. Ludvík Alois Kol