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Recommendation letter for Doc. RNDr. Michal Masařík, Ph. D

I am writing this letter to give my highest possible recommendation for Michal Masařík for the professorship in Molecular and cell biology at Faculty of Science, Palacky University in Olomouc, Czech Republic.

Michal Masařík and I both supervise the master student Marek Feith from Masaryk University in Brno. Marek Feith is an Erasmus exchange student at our department at Malmö University, which he started in October 2019. Marek's project will result in a joint publication this year. In addition, we collaborated on a published paper in the journal Applied Sciences earlier this year: "Marek Feith, Tomáš Vičar, Jaromir Gumulec, Martina Raudenska, Anette Gjørloff Wingren, Michal Masarik, Jan Balvan. Quantitative Phase Dynamics of Cancer Cell Populations Affected by Blue Light, Applied Sciences 2020. Appl. Sci. 2020, 10(7), 2597."

Michal Masařík has been focusing on cancer biology since the start of his scientific career, especially on the prostate carcinoma and on the search for new potential biomarkers. Over time, the following became the main methodological approaches: cell death and gene expression analysis, novel biophysical techniques for biomacromolecular detection, testing of novel anti-tumor pharmaceuticals and their carriers. Michal Masařík has an impressive experience. In his scientific work, he focuses both on *in vitro* and *in vivo* experiments, as well as on the analysis of biological samples from patients. Michal Masařík is, according to Web of Science, author or co-author of 165 publications, which have been cited 2833 times. His current h-index is 29. He is or has been a part of 9 projects, in 7 of them as a principal investigator for the Masaryk University.

He is a member of professional societies (European Association for Cancer Research and American Chemical Society) and a part of editorial boards of multiple scientific journals. In 2013, he received Masaryk University Rector's Award for Outstanding research results for young scientists under 35 years in Natural sciences and medicine. I am fully convinced that Michal Masařík has the experience and competence for fulfilling a professorship in Cell and Molecular biology at Faculty of Science, Palacky University in Olomouc, Czech Republic. I strongly recommend Michal Masařík for this position.

Malmö, 2020-05-29

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