

## PUBLIC LECTURE EVALUATION

### Masaryk University

#### Faculty

Faculty of Science

#### Procedure field

Analytical Biochemistry

#### Applicant

Mgr. Danuše Tarkowská, Ph.D.

#### Lecture date

29.2. 2024 12 p.m. Building B11 room 205

#### Lecture topic

Jak najít jehlu v kupce sena – ultrastopová analýza biologicky významných látek

(How to find a needle in a haystack – ultra-trace analysis of biologically important plant signaling molecules)

#### Persons present

(number)

62

#### Designated evaluators

(board members)

prof. Mgr. Tomáš Kašparovský, Ph.D. (on-site)

RNDr. Pavel Kubáň, DSc. (on-site)

prof. RNDr. Zdeněk Glatz, CSc. (on-site)

The public habilitation lecture took place as a part of a scientific seminar of the Department of Biochemistry, Faculty of Science, Masaryk University. In addition, scientists from other departments of Faculty of Science and CEITEC, Institute of Analytical Chemistry AS CR and Mendel University were invited as well. The above-mentioned members of the board attended the lecture and provided its evaluation.

Mgr. Danuše Tarkowská, Ph.D. in her public lecture briefly summarized the role ultra-trace analysis of signaling molecules in plant biochemistry. She started with a short historical overview of this problematics. Then she introduced the terms of hormone and plant hormone with their main differences. During the following presentation, the main plant hormones, with their different, and even antagonist roles in plants, were outlined. Subsequently, the whole procedure for their ultra-trace analysis starting from the plant materials preparation up to the quantitative analysis, has been reviewed. Finally, her main scientific achievements in this field were emphasised.

It can be stated that the lecture was well organized, easily understandable and interesting for the audience attending. During the discussion which followed, Mgr. Danuše Tarkowská answered several questions from Associate Prof. Lochman, PhD, the opponent of her habilitation thesis, questions from the committee members as well as several questions from the people present in the auditorium.

## Conclusion

The lecture delivered by Danuše Tarkowská, entitled “JAK NAJÍT JEHLU V KUPCE SENA – ULTRASTOPOVÁ ANALÝZA BIOLOGICKY VÝZNAMNÝCH LÁTE” (How to find a needle in a haystack – ultra-trace analysis of biologically important plant signalling molecules) 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 Analytical Biochemistry.

The lecture took place on-site on 29.2. 2024 12 p.m. Building B11 room 205. 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: 06. 03. 2024

prof. Mgr. Tomáš Kašparovský, Ph.D.

RNDr. Pavel Kubáň, DSc.

prof. RNDr. Zdeněk Glatz, CSc.