

Statement

By:

Prof. Dr. Nikolay Dobrinov Nachev, Department of Biology, FPN, University of Shumen

Concerning:

Scientific work for the award of educational and scientific degree "Doctor" under title:
Influence of subchronically administered cannabinoid receptor ligands on learning and
memory processes of rats with olfactory bulbectomy

Of:

Dr. Dobrinka Kalinova Doncheva, Assistant Professor in the Department of Physiology and
Pathophysiology, Faculty. Medicine, Medical University of Varna, full-time doctoral student
in Animal and Human Physiology, 4.3. Biological sciences, Enlisted with Order R-109-428 /
16.07.2018, deducted with Order R-109-86 / 23.02.2022

Supervisor:

Assoc. Prof. Dr. Margarita Velikova, Ph.D. Order R-109-86 of 23.02.2022 of the Rector of
MU-Varna Prof. Dr. Valentin Ignatov

The scientific work was conducted according to a pre-selected methodology using classical
anatomical procedures and ethological experiments. It is based on experiments with almost
three hundred experimental animals and from the conducted experiments, results were obtained
which can be processed statistically. The large number of experimental animals and the
appropriate selection of statistical tests has led to convincing results that are logically
summarised in the conclusions. The contributions of the dissertation are correctly formulated.
I have some reserves about the technical processing of the text. There are typographical
problems, but they are few in number and have no effect on the possibility of correct
interpretation of the text.

The experiments were conducted using highly invasive methods, but these procedures are imposed in the original concept of the Dissertation. The use of complex laboratory equipment and the performance of precise surgical interventions allowed the candidate to improve her micro-operational skills for surgical intervention and experimental ethology. In the process of working on the Dissertation, Dr. Doncheva has acquired particularly important for her future career theoretical and practical skills and has developed as a specialist in the field of experimental physiology and pathophysiology.

The dissertation is convenient, however unfortunately a bit limited in illustrations. This is probably due to the use of classic invasive and ethological techniques that do not require detailed presentation. The prepared referate fully reflects the content of the Dissertation and is correctly formatted. Perhaps there is a lack of somewhat non-technical text to contribute for the promotion of the study among non-specialists, but this may be related with the traditions and rules of the school where the defense is held.

Three publications have been issued on the Dissertation, one in a journal from Q3 with SJR 0.23, and second in journal from Q3 with IF 1.53 and SJR 0.54. The author has participated in five scientific forums which demonstrates that she has formed as a specialist who not only masters the methods of work in his field, but is also able to present and defend the results of her work. On the basis of all mentioned above I vote "For" the award of the scientific degree "Doctor" to Dr. Dobrinka Kalinova Doncheva.



Signature: prof doc. Nikolay Natchev

Shumen 06.03.2022