

International Seminar «Antimicrobial peptides as prototypes of novel antibiotics»

21 July 2022

11:00 AM - 16:10 PM Moscow local time

(CEST 10:00-15:10)

WCRC for Personalized Medicine

Institute of Experimental Medicine, Saint Petersburg

On-line participation is available

Organizing Committee:

Olga V. Shamova

Alexander V. Dmitriev

Ilya A. Krenev

Maria S. Sukhareva

Elizaveta V. Vladimirova

Alexey S.

Komlev

The Seminar is holding in the frame of realization of the project “Infection diseases and antimicrobial therapy” at the World-Class Research Centre for Personalized Medicine (with the financial support of the Ministry of Science and Higher Education of the Russian Federation, Agreement №075-15-2020-902).

The Seminar is devoted to the prospects of developing novel antibiotics on the base of antimicrobial peptides (AMPs) as tools for combating multidrug resistant bacteria causing severe hospital infections including those arising during or after COVID-19. Varied structural classes of AMPs will be considered as templates for creation of such potent drugs (alpha-helical, beta-hairpin, proline-rich peptides), the pros and cons of these substances will be discussed. An application of AMPs in combination with conventional antibiotics as well as with metal nanoparticles also will be under consideration. Other types of the biological activity of AMPs

will be discussed: immunomodulatory activity, interaction of AMPs (mostly beta-hairpin) with the complement system.

The main aim of the seminar is finding new ways for scientific collaboration.

For submitting abstracts, please use the following template:

ABSTRACT TITLE

Author N.N.^{1,2}, Author N.N.¹, Author N.N.¹

¹Organization, City, Country

²Organization, City, Country

Introduction. Text.

Purpose. Text.

Methods. Text.

Results. Text.

Conclusion. Text.

Requirements for abstracts:

- The abstract must be submitted in English as a Microsoft Word document (.docx, .doc).
- As font, use Times New Roman 12 pt.
- The abstract header must contain a single title (the length is not limited), names of contributing authors and their affiliations; the name of the presenting author must be underlined and is recommended to be placed first.
- The abstract body must include the following structural parts: introduction, purpose, methods, results, conclusion.
- The abstract body should not exceed 2500 symbols including spaces.
- Use single line spacing without additional space between paragraphs in the abstract body.
- Use center alignment for the abstract header and width alignment for the abstract body.
- Using the provided template is recommended.

The abstracts should be addressed to the secretary of the Seminar - Ilya Krenev:
e-mail - il.krenevv13@yandex.ru

***The Seminar will be held at the Institute of Experimental Medicine,
69/71 Kamennostrovskiy prospect, Saint Petersburg and on-line.***

PLEASE, REGISTER AT THE WEBSITE (see below)

The Preliminary Program can be found at the web-site.

The link for the connection will be send to all participants 1 h before the Seminar.

We look forward to meet you at the Seminar!

Sincerely,

Organizing Committee



World-Class Research Centre
for Personalized Medicine

