

GENERAL INFORMATION

1. NAME OF THE CENTER AND LOCATION

National Centre of Infectious and Parasitic Diseases
44A Stoletov Blvd, Sofia

2. TYPE OF THE RESEARCH INFRASTRUCTURE AND/OR SCIENTIFIC EXPERTISE

Identify the type of the RI, equipment/facilities/specific research, and in particular linked to COVID-19:

Scientific equipment for virological research – Real Time PCR detectors, extractor of nuclein acids; laminair boxes, centrifuges

KEY WORDS:
expertise in virology, respiratory viruses, infectious diseases

3. TYPE OF THE RESEARCH

Provide information on the research carried on or planned in regard with COVID-19 and other viruses

The National Reference Laboratory “Influenza and ARD” carries out detection of SARS-CoV-2 causing COVID-19 in suspected patients and contacts of positive cases.

4. WEBSITE

Provide the internet address:

www.ncipd.org

5. BACKGROUND, PUBLICATIONS AND OPEN DATA REPOSITORY

leading research team AND Scientific publications of the research group on the topics of related to coronaviruses research results;

link to open data repository

Scientific publications of the National Reference Laboratory “Influenza and ARD”:

1. Korsun N, Teodosieva A, Jordanova M. Influenza Virus Activity during the 2011/2012 and 2012/2013 Seasons in Bulgaria. *Comptes rendus de l'Academie bulgare des Sciences*, 2014, 67, 2, 277-282. IF₂₀₁₄ 0,284.
2. Beauté J, Zucs P, Korsun N, Bragstad K, Enouf V, Kossyvakis A, Griškevičius A, Olinger CM, Meijer A, Guiomar R, Prosenc K, Staroňová E, Delgado C, Brytting M, Broberg E. Age-specific differences in influenza virus type and subtype distribution in the 2012/2013 season in 12 European countries. *Epidemiol Infect.* 2015 Feb 4:1-9. IF₂₀₁₅ 2,515

3. Korsun N, Angelova S, Georgieva I. Influenza virus activity during the 2013/2014 and 2014/2015 seasons in Bulgaria. *Comptes rendus de l'Academie bulgare des Sciences*, 2015, 68 (9): IF₂₀₁₅ 0,233
4. Korsun N, Teodosieva A, Angelova S. Etiological role of ortho- and paramyxoviruses in acute respiratory tract infections among children aged < 4 years in Bulgaria. *Clin. Lab*, 2015, 61, 3+4:219-226. IF₂₀₁₅ 0,936
5. Korsun N, Angelova S, Teodosieva A. Virological Surveillance of Influenza in Four Recent Post-Pandemic Seasons (2010/11 to 2013/14) in Bulgaria. *Cent Eur J Public Health*. 2016, 24(3):180-187. IF₂₀₁₆ 0,682
6. Korsun N, Angelova S, Gregory V, Daniels R, Georgieva I, McCauley J. Antigenic and genetic characterization of influenza viruses circulating in Bulgaria during the 2015/2016 season. *Infect Genet Evol*. 2017, 49:241-250. IF₂₀₁₇ 2,545
7. Korsun N, Angelova S, Tzotcheva I, Georgieva I, Lazova S, Parina S, Alexiev I, Perenovska P. Prevalence and genetic characterisation of respiratory syncytial viruses circulating in Bulgaria during the 2014/15 and 2015/16 winter seasons. *Pathog Glob Health*. 2017 Oct;111(7):351-361. IF₂₀₁₇ 1,703
8. Korsun N, Angelova S, Trifonova I, Tzotcheva I, Mileva S, Voleva S, Georgieva I, Perenovska P. Predominance of influenza A(H3N2) viruses during the 2016/2017 season in Bulgaria. *J Med Microbiol*. 2018 Feb;67(2):228-239 IF₂₀₁₈ 2,112
9. Korsun N, Angelova S, Trifonova I, Georgieva I, Voleva S, Tzotcheva I, Mileva S, Ivanov I, Tcherveniakova T, Perenovska P. Viral pathogens associated with acute lower respiratory tract infections in children younger than 5 years of age in Bulgaria. *Braz J Microbiol*, 2019 Jan;50(1):117-125. IF₂₀₁₈ 2.857
10. Korsun N.S., Angelova S.G., Trifonova I.T., Georgieva I.L., Tzotcheva I.S., Mileva S.D., Voleva S.E., Kurchatova A.M., Perenovska P.I. Predominance of influenza B/Yamagata lineage viruses in Bulgaria during the 2017/2018 season. *Epidemiol Infect* 2019, Jan;147:e76 IF₂₀₁₈ 2.047
11. Korsun N, Angelova S, Trifonova I, Georgieva I, Voleva S. Viral respiratory pathogens associated with medically attended acute respiratory illnesses in older adults in Bulgaria. *Comptes rendus de l'Académie bulgare des Sciences*, 2018 (in press) IF₂₀₁₆ 0,251
12. Korsun N, Daniels R, Angelova S, Ermetal B, Grigorova I, Voleva S, Trifonova I, Kurchatova A, McCauley J. Genetic diversity of influenza A viruses circulating

in Bulgaria during the 2018-2019 winter season. *J Med Microbiol*, 2020 (in press)
IF₂₀₁₉ 2,1

6. COORDINATOR

National Centre of Infectious and Parasitic Diseases

Contact person;

Prof. Neli Korsun, MD, DSc

e-mail: neli_korsun@abv.bg

7. POSSIBLE PARTNERS

Indicate the partner
organizations

Military Medical Academy, Sofia

Contact person;

Assoc. Prof. Metodi Kunchev, MD, PhD

e-mail: mkunchev@yahoo.com

8. IMPLEMENTED AND RUNNING PROJECTS

Projects related to
virology, vaccines,
infection diseases ...

**“VIRAL PATHOGENS IN RESPIRATORY MEDICINE – DISTRIBUTION
IN BULGARIA, GENETIC AND CLINICAL CHARACTERISTICS”**

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