

Igor MOKROUSOV, *Ph.D., D.Sc.*

Permanent affiliation and position:

Head, Laboratory of Molecular Epidemiology and Evolutionary Genetics, St. Petersburg Pasteur Institute
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Birthday: May 1, 1967; Nationality: Russian

Foreign Languages: English, French, Bulgarian (fluently); Polish, Swedish (read).

DEGREES

2009, D.Sc. in Biology/Microbiology (~Docteur d'état es sciences/HDR or Doctor Habilitatus) (D.Sc. Thesis: "Genetic diversity and evolution of *Mycobacterium tuberculosis*", defended at Institute of Experimental Medicine, Russian Academy of Medical Sciences).

1993, Ph.D. in Biology/Microbiology (Ph.D. Thesis "Genetical differentiation of *Aureobasidium pullulans* fungus by PCR" (supervisors: Prof N.P. Elinov, Dr. S.A. Bulat), defended in St. Petersburg Chemical Pharmaceutical University).

1989, M.S. in Biotechnology, *cum laude* (Biotechnology Faculty, St. Petersburg Chemical Pharmaceutical University).

EMPLOYMENT: Laboratory of Molecular Epidemiology and Evolutionary Genetics. St. Petersburg Pasteur Institute, Russia, 1993-present: Head of laboratory (since Dec. 1, 2015), Principal Investigator (2010-2015), Researcher (1993-2010).

Guest Scientist/Invited Professor: Universite de Toulouse, France (2013-2014, 2 months), Beijing's Children Hospital, China (2005-2016, 12 months), Institut Pasteur de Guadeloupe, France 2007-2009, 22 months), Institut Pasteur Paris, France (2008, 2 months), Institute of Microbiology, Bulgaria (2005, 2011, 5 months).

EDITOR: PLoS ONE (Academic Editor: ~ since Dec. 2008); BMC Microbiology (Associate Editor: Dec. 2009-Jan. 2014; Section Editor: since Jan. 2014); Infection, Genetics and Evolution (Editor: since Aug. 2010)

EXPERT: Russian Academy of Sciences, Russian Science Foundation, Wellcome Trust, Medical Research Council England, Medical Research Scotland, European Respiratory Society, ANR-France, PTR program of Institut Pasteur Paris, AFSSA-France, Medical Research Council South Africa, National Research Foundation South Africa, FONDECYT-Chile; Czech Science Foundation, National Science Center (Poland).

AWARDS.

1997, 1999, 2002 ESCMID Travel grants to attend ECCMID Congresses
2004, Annual Scientific Prize of the International Union Against Tuberculosis and Lung Disease
2005, 2009, 2013, Honor Awards from Russian Ministry of Health
2008-2009, Marie Curie Fellowship (Institut Pasteur de Guadeloupe)
2012, Honor Award from Russian Federal Sanitary and Epidemiological Service

PROJECTS (since 2006) funded by: NATO Science for Peace program (2006-2010), European Commission Marie Curie Fellowship (2008-2009), Russian Foundation for Basic Research and National Science Foundation of China (2011-2012), European Union FP7 program FP7-HEALTH (2011-2015), Russian Science Foundation (2014-2016).

International meetings: 43 oral presentations, 13 session co-chair, 2 symposium co-chair.

PUBLICATIONS (Jan. 13, 2017): 124 articles in Pubmed/ISI indexed journals (91, English [59 – first and/or corresponding author]; and 33, Russian); 10 chapters in 8 books (English), 4 patents.

Hirsch index = 31 (WoS, Scopus)

Number of citations: 3344 (Web of Science), 3423 (Scopus)

Recent and main publications (*-corresponding author).

- Mokrousov I. **2016.** Emerging resistant clone of *Mycobacterium tuberculosis* in West Asia. *Lancet Infect Dis.* 16 (12): 1326-1327. **IF 21.37**
- Yin QQ, Liu HC, Jiao WW, Li QJ, Han R, Tian JL, Liu ZG, Zhao XQ, Li YJ, Wan KL*, Shen AD*, Mokrousov I.* **2016.** Evolutionary History and Ongoing Transmission of Phylogenetic Sublineages of *Mycobacterium tuberculosis* Beijing Genotype in China. *Sci Rep.* 6:34353. **IF 5.22**
- Mokrousov I.*, E. Chernyaeva, A. Vyazovaya, V. Sinkov, V. Zhuravlev, O. Narvskaya. **2016.** Next generation sequencing of *Mycobacterium tuberculosis*. *Emerg Infect Dis.* 22(6):1127-9. **IF 6.99.**
- Mokrousov I.*, Vyazovaya A, Iwamoto T, Skiba Y, Pole I, Zhdanova S, Arikawa K, Sinkov V, Umpeleva T, Valcheva V, Alvarez Figueroa M, Ranka R, Jansone I, Ogarkov O, Zhuravlev V, Narvskaya O. **2016.** Latin-American-Mediterranean lineage of *Mycobacterium tuberculosis*: Human traces across pathogen's phylogeography. *Mol Phylogenet Evol.* 99:133-143. **IF 3.92**
- Mokrousov I.*, Rastogi N. **2015.** Spacer-Based Macroarrays for CRISPR Genotyping. Chapter in "CRISPR: Methods and Protocols" (Eds. Lundgren M. et al.) Springer/Humana Press. *Methods Mol Biol.* 1311:111-131.
- Vyazovaya A*, Mokrousov I.*, Solovieva N, Mushkin A, Manicheva O, Vishnevsky B, Zhuravlev V, Narvskaya O. **2015.** Tuberculous spondylitis in Russia and prominent role of multidrug-resistant clone *Mycobacterium tuberculosis* Beijing B0/W148. *Antimicrob. Agents Chemother.* 59(4):2349-2357. **IF 4.5**
- Merker M, Blin C, Mona S, Duforet-Frebourg N, Lecher S, Willery E, Blum M, Rüscher-Gerdes S, Mokrousov I. Beijing genotype study group, Supply P, Niemann S, Wirth T. **2015.** Evolutionary history and global spread of the *Mycobacterium tuberculosis* Beijing lineage. *Nat Genet.* 47(3):242-9. **IF 29.6.**
- Mokrousov I. **2014.** Resolution threshold of current molecular epidemiology of diphtheria. *Emerg Infect Dis.* 20: 1937-1938. **IF 7.3.**
- Mokrousov I.*, Jiao WW, Wan K, Shen A. **2014.** Stranger in a strange land: Ibero-American strain of *Mycobacterium tuberculosis* in Tibet, China. *Infect. Genet. Evol.* 26: 323-326.
- Mokrousov I.*, Vyazovaya A., Narvskaya O. **2014.** *Mycobacterium tuberculosis* Latin-American Mediterranean family and its sublineages: in the light of evolutionary robust markers. *J. Bacteriol.* 196(10):1833-1841.
- Dabernat H., Thèves C, Bouakaze C., Nikolaeva D., Keyser C., Mokrousov I., Géraut A., Duchesne S., Gérard P., Alexeev A.N., Crubézy E., Ludes B. **2014.** Tuberculosis epidemiology and selection in an autochthonous Siberian population from the 16th-19th century. *PLoS One.* 9(2):e89877.
- Mokrousov I. **2013.** Insights into the origin, emergence, and current spread of a successful Russian clone of *Mycobacterium tuberculosis*. *Clin Microbiol Rev.* 26(2):342-360. **IF 17.3**
- Mokrousov I. **2013.** *Corynebacterium diphtheriae*. In: *Molecular Typing of Bacterial Infections* (Eds. M. McKee and I. de Fillipis). Springer/Humana Press. DOI 10.1007/978-1-62703-185-1_17. pp. 283-300.
- Mokrousov I. **2012.** Human migratory history: Through the looking-glass of genetic geography of *Mycobacterium tuberculosis*. In: *Causes and Consequences of Human Migration* (Eds. M.H. Crawford and B. Campbell). Cambridge University Press. pp. 317-341.
- Mokrousov I.*, Niemann S., Rastogi N. **2012.** Editorial: Special Issue on Molecular evolution, epidemiology and pathogenesis of *Mycobacterium tuberculosis* and other mycobacteria. *Infect. Genet. Evol.* 12: 601.
- Mokrousov I.*, H.M. Ly, T. Otten, N.N. Lan, B. Vyshnevskiy, S. Hoffner, O. Narvskaya. **2005.** Origin and primary dispersal of the *Mycobacterium tuberculosis* Beijing genotype: clues from human phylogeography. *Genome Res.* 15: 1357-1364. **IF 10.2**