

Name Nadezda Kosyakova

Date of birth: June 5, 1977

Title and affiliation: PhD, research fellow, Institute of Human Genetics, Jena University Hospital, Friedrich Schiller University, Jena, Germany

Education

- 1994-2000, I.M. Sechenov Moscow Medical Academy, Moscow, Russian Federation, Honors MD diploma
- 2000-2003 PhD in Genetics, Research Center for Medical Genetics, Russian Academy of Medical Sciences (Moscow, Russian Federation). Title: "Quantitative regularities for formation of chemically induced exchange chromosome aberrations" (awarded on 22.12.2003)
- 2004, European Advanced Postgraduate Course in Molecular Cytogenetics, University of Montpellier, France.

Positions and professional activities

- 2004-2006, research associate, Laboratory of Mutagenesis (Head: Prof. Dr. Nikolay P. Bochkov), Research Centre for Medical Genetics, Russian Academy of Medical Sciences, Moscow, Russian Federation
- 2007-present, research fellow, Laboratory of Molecular Cytogenetics (Head: PD Dr. Thomas Liehr), Institute of Human Genetics, Jena University Hospital, Friedrich Schiller University, Jena, Germany

Research Interests

Cytogenetics, molecular cytogenetics, chromosome microdissection, evolutionary cytogenetics.

Selected recent publications

- Small supernumerary marker chromosomes and the nuclear architecture of sperm - a study in a fertile and an infertile brother. Karamysheva T, **Kosyakova N**, Guediche N, Liehr T. Syst Biol Reprod Med. 2015 Jan;61(1):32-6.
- Comparative cytogenetic mapping of rRNA genes among naked catfishes: implications for genomic evolution in the Bagridae family. Supiwong W, Liehr T, Cioffi MB, Chaveerach A, **Kosyakova N**, Fan X, Tanee T, Tanomtong A. Genet Mol Res. 2014 Nov 12;13(4):9533-42.
- First detailed reconstruction of the karyotype of *Trachypithecus cristatus* (Mammalia: Cercopithecidae). Xiaobo F, Pinthong K, Mkrtchyan H, Siripiyasing P, **Kosyakova N**, Supiwong W, Tanomtong A, Chaveerach A, Liehr T, de Bello Cioffi M, Weise A. Mol Cytogenet. 2013 Dec 17;6(1):58.
- Karyotype and cytogenetic mapping of 9 classes of repetitive DNAs in the genome of the naked catfish *Mystus bocourti* (Siluriformes, Bagridae). Supiwong W, Liehr T,

Cioffi MB, Chaveerach A, **Kosyakova N**, Pinthong K, Tanee T, Tanomtong A. *Mol Cytogenet*. 2013 Nov 22;6(1):51.

- Multicolor FISH methods in current clinical diagnostics. Liehr T, Weise A, Hamid AB, Fan X, Klein E, Aust N, Othman MA, Mrasek K, **Kosyakova N**. *Expert Rev Mol Diagn*. 2013 Apr;13(3):251-5.
- Heteromorphic variants of chromosome 9. **Kosyakova N**, Grigorian A, Liehr T, Manvelyan M, Simonyan I, Mkrtchyan H, Aroutiounian R, Polityko AD, Kulpanovich AI, Egorova T, Jaroshevich E, Frolova A, Shorokh N, Naumchik IV, Volleth M, Schreyer I, Nelle H, Stumm M, Wegner RD, Reising-Ackermann G, Merkas M, Brecevic L, Martin T, Rodríguez L, Bhatt S, Ziegler M, Kreskowski K, Weise A, Sazci A, Vorsanova S, Cioffi Mde B, Ergul E. *Mol Cytogenet*. 2013 Apr 1;6(1):14.
- Generation of multicolor banding probes for chromosomes of different species. **Kosyakova N**, Hamid AB, Chaveerach A, Pinthong K, Siripiyasing P, Supiwong W, Romanenko S, Trifonov V, Fan X. *Mol Cytogenet*. 2013 Feb 4;6(1).
- Copy number variations (CNVs) in human pluripotent cell-derived neuroprogenitors. Corrales NL, Mrasek K, Voigt M, Liehr T, **Kosyakova N**. *Gene*. 2012 Sep 15;506(2):377-9

Selected book chapters

- **N Kosyakova**, A Weise, K Mrasek, H Mkrtchyan, V Klaschka, E Ewers, D Reich, N Rüdiger, T Liehr. CenM-FISH approaches. T. Liehr (ed.) *Fluorescence In Situ Hybridization (FISH) – Application Guide*. Springer-Verlag Berlin Heidelberg 2009.
- F Yang, V Trifonov, Ng BL, **N Kosyakova**, NP Carter. Generation of paint probes by flow-sorted and microdissected chromosomes. T. Liehr (ed.) *Fluorescence In Situ Hybridization (FISH) – Application Guide*. Springer-Verlag Berlin Heidelberg 2009.