

# Олег Павлович Балановский



(03.07.1977 - 05.07.2021)

Олег Павлович Балановский родился в Москве в 1977 г. Сын генетика Е.В. Балановской. В 2000 г. окончил с отличием МГУ им. М.В. Ломоносова (кафедра генетики Биофака МГУ) - его дипломная работа была удостоена медали РАН за лучшую студенческую работу 2000 года в области «общая биология».

С 2000 г. – аспирант Института молекулярной генетики РАН. В 2002 году защитил диссертацию «Геногеографическое изучение полиморфных маркеров ДНК в популяциях восточно-европейских народов». С 2002 по 2011 год работал в Медико-генетическом научном центре РАМН. С 2011 г. был руководителем группы геномной географии при дирекции Института общей генетики, в 2013 году – группа выросла в лабораторию геномной географии ИОГен РАН, а О.П. Балановский стал ее руководителем. По совместительству работал в Медико-генетическом научном центре (МГНЦ), преподавал в МФТИ и МГУ.

В 2013 г. защитил докторскую диссертацию «Изменчивость генофонда в пространстве и времени: синтез данных о геногеографии митохондриальной ДНК и Y- хромосомы».

В научной работе О.П. Балановского важную роль сыграли неоднократные стажировки в Эстонском биоцентре под руководством президента Эстонской академии наук акад. Р. Виллемса, а также стажировка в Австралийском центре Древней ДНК.

Основное научное направление - изучение генофонда Евразии, современного и древнего. Второе важное направление работы - создание баз данных, геногеографических технологий, картографических атласов о генофондах мира. О.П. Балановский не только руководил экспедиционным обследованием генофондов народов Северной Евразии (Кавказ, Поволжье, Урал, Восточная Европа, Сибирь, Дальний Восток, Казахстан, Памир, Центральный Азия), но и сам участвовал в многочисленных экспедициях по обследованию генофондов русского народа, донских казаков, Адыгеи, Осетии, Дагестана, Татарстана, Калмыкии, Казахстана, Таджикистана, Афганистана.

Являлся руководителем большого числа российских и международных проектов. С 2005 года соруководитель исследовательского центра «Северная Евразия» в рамках крупнейшего международного проекта в области популяционной генетики «GENOGRAPHIC», с 2012 г. - руководитель «Индоевропейского проекта» в рамках «GENOGRAPHIC 2.0», соруководитель проекта «Генетическая история популяций Казахстана». В последнее время участвовал в формировании нового направления популяционной генетики человека, основанного на полном секвенировании Y-хромосомы.

О.П. Балановский автор 324 публикаций, в том числе в высокорейтинговых международных журналах – Nature, Science и др. Опубликовано две монографии «Русский генофонд на Русской равнине» в 2007 г. и «Генофонд Европы» в 2015. Есть также главы в коллективных монографиях. Под руководством О.П. Балановского защищены четыре кандидатские диссертации и выполнялись еще четыре.

Олег Павлович также известен своим участием в геногеографических исследованиях для криминалистики, яркими научно-популярными лекциями и просветительской работой.

Активно содействовал борьбе с лженаукой. Участник научно-просветительского форума «[Учёные против мифов](#)». В 2018 году являлся одним из экспертов по теме коммерческой генетики для журнала Forbes. Координатор сайта <http://генофонд.рф>

Утонул в реке Нея 5 июля 2021 года в Макарьевском районе Костромской области во время купания, спасая своих тонущих детей (дети выжили).

*Текст составлен с использованием материалов*

[https://old.sk.ru/foundation/events/april2016/genomerussia/p/oleg\\_balanovsky.aspx](https://old.sk.ru/foundation/events/april2016/genomerussia/p/oleg_balanovsky.aspx)

*Фото* <http://viqg.ru/news/news-single/article/oleg-pavlovich-balanovskii-03071977-05072021/>

## Список основных научных публикаций (по данным WebOfScience)

- Hallast, P; Agdzhoyan, A; Balanovsky, O; Xue, YL; Tyler-Smith, C.  
A Southeast Asian origin for present-day non-African human Y chromosomes  
HUMAN GENETICS 140(2), 299-307 (2021)
- Anisimov, SV; Meshkov, AN; Glotov, AS; Borisova, AL; Balanovsky, OP; Belyaev, VE; Granstrem, OK; Gritsova, LY; Efimenko, AY; Pokrovskaya, MS; Semenenko, TA; Sukhorukov, VS; Kaprin, AD; Drapkina, OM.  
National Association of Biobanks and Biobanking Specialists: New Community for Promoting Biobanking Ideas and Projects in Russia  
BIOPRESERVATION AND BIOBANKING 19(1), 73-82 (2021)
- Zhabagin, M; Sabitov, Z; Tazhigulova, I; Alborova, I; Agdzhoyan, A; Wei, LH; Urasin, V; Koshel, S; Mustafin, K; Akilzhanova, A; Li, H; Balanovsky, O; Balanovska, E.  
Medieval Super-Grandfather founder of Western Kazakh Clans from Haplogroup C2a1a2-M48  
JOURNAL OF HUMAN GENETICS , - (2021)
- Zhabagin, M; Sabitov, Z; Tarlykov, P; Tazhigulova, I; Junissova, Z; Yerezhepov, D; Akilzhanov, R; Zholdybayeva, E; Wei, LH; Akilzhanova, A; Balanovsky, O; Balanovska, E.  
The medieval Mongolian roots of Y-chromosomal lineages from South Kazakhstan  
BMC GENETICS 21, - (2020)
- Balanovska, E; Lukianova, E; Kagazezheva, J; Maurer, A; Leybova, N; Agdzhoyan, A; Gorin, I; Petrushenko, V; Zhabagin, M; Pylev, V; Kostryukova, E; Balanovsky, O.  
Optimizing the genetic prediction of the eye and hair color for North Eurasian populations  
BMC GENOMICS 21, - (2020)

6. Zhernakova, DV; Brukhin, V; Malov, S; Oleksyk, TK; Koepfli, KP; Zhuk, A; Dobrynin, P; Kliver, S; Cherkasov, N; Tamazian, G; Rotkevich, M; Krashenninnikova, K; Evsyukov, I; Sidorov, S; Gorbunova, A; Chernyaeva, E; Shevchenko, A; Kolchanova, S; Komissarov, A; Simonov, S; Antonik, A; Logachev, A; Polev, DE; Pavlova, OA; Glotov, AS; Ulantsev, V; Noskova, E; Davydova, TK; Sivtseva, TM; Limborska, S; Balanovsky, O; Osakovsky, V; Novozhilov, A; Puzyrev, V; O'Brien, SJ.

Genome-wide sequence analyses of ethnic populations across Russia

GENOMICS 112(1), 442-458 (2020)

7. Ongaro, L; Scliar, MO; Flores, R; Raveane, A; Marnetto, D; Sarno, S; Gneccchi-Ruscione, GA; Alarcon-Riquelme, ME; Patin, E; Wangkumhang, P; Hellenthal, G; Gonzalez-Santos, M; King, RJ; Kouvatsi, A; Balanovsky, O; Balanovska, E; Atramentova, L; Turdikulova, S; Mastana, S; Marjanovic, D; Mulahasanovic, L; Leskovac, A; Lima-Costa, MF; Pereira, AC; Barreto, ML; Horta, BL; Mabunda, N; May, CA; Moreno-Estrada, A; Achilli, A; Olivieri, A; Semino, O; Tambets, K; Kivisild, T; Luiselli, D; Torroni, A; Capelli, C; Tarazona-Santos, E; Metspalu, M; Pagani, L; Montinaro, F.

The Genomic Impact of European Colonization of the Americas

CURRENT BIOLOGY 29(23), 3974-+ (2019)

8. Torres, JB; Martucci, V; Aldrich, MC; Vilar, MG; MacKinney, T; Tariq, M; Gaieski, JB; Hernandez, RB; Browne, ZE; Stevenson, M; Walters, W; Schurr, TG; Adhikarla, S; Adler, CJ; Balanovska, E; Balanovsky, O; Bertranpetit, J; Clarke, AC; Comas, D; Cooper, A; Sarkissian, CSID; GaneshPrasad, A; Haak, W; Haber, M; Hobbs, A; Javed, A; Jin, L; Kaplan, ME; Lacerda, DR; Li, SL; Martinez-Cruz, B; Matisoo-Smith, EA; Mele, M; Merchant, NC; Mitchell, RJ; Parida, L; Pitchappan, R; Platt, DE; Quintana-Murci, L; Renfrew, C; Royyuru, AK; Santhakumari, AV; Santos, FR; Soodyall, H; Swamikrishnan, P; Tyler-Smith, C; Wells, RS; Zalloua, PA; Ziegler, JS.

Analysis of biogeographic ancestry reveals complex genetic histories for indigenous communities of St. Vincent and Trinidad

AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY 169(3), 482-497 (2019)

9. Jeong, C; Balanovsky, O; Lukianova, E; Kahbatkyzy, N; Flegontov, P; Zaporozhchenko, V; Immell, A; Wang, CC; Ixan, O; Khussainova, E; Bekmanov, B; Zaibert, V; Lavryashina, M; Pocheshkhova, E; Yusupov, Y; Agdzhoyan, A; Koshel, S; Bukin, A; Nymadawa, P; Turdikulova, S; Dalimova, D; Churnosov, M; Skhalyakho, R; Daragan, D; Bogunov, Y; Bogunova, A; Shtrunov, A; Dubova, N; Zhabagin, M; Yepiskoposyan, L; Churakov, V; Pislegin, N; Damba, L; Saroyants, L; Dibirova, K; Atramentova, L; Utevska, O; Idrisov, E; Kamenshchikova, E; Evseeva, I; Metspalu, M; Outram, AK; Robbeets, M; Djansugurova, L; Balanovska, E; Schiffels, S; Haak, W; Reich, D; Krause, J.

The genetic history of admixture across inner Eurasia

NATURE ECOLOGY & EVOLUTION 3(6), 966-976 (2019)

10. Wang, CC; Reinhold, S; Kalmykov, A; Wissgott, A; Brandt, G; Jeong, C; Cheronet, O; Ferry, M; Harney, E; Keating, D; Mallick, S; Rohland, N; Stewardson, K; Kantorovich, AR; Maslov, VE; Petrenko, VG; Erlikh, VR; Atabiev, BC; Magomedov, RG; Kohl, PL; Alt, KW; Pichler, SL; Gerling, C; Meller, H; Vardanyan, B; Yeganyan, L; Rezepkin, AD; Mariaschk, D; Berezina, N; Gresky, J; Fuchs, K; Knipper, C; Schiffels, S; Balanovska, E; Balanovsky, O; Mathieson, I; Higham, T; Berezin, YB; Buzhilova, A; Trifonov, V; Pinhasi, R; Belinskij, AB; Reich, D; Hansen, S; Krause, J; Haak, W.

Ancient human genome-wide data from a 3000-year interval in the Caucasus corresponds with eco-geographic regions

NATURE COMMUNICATIONS 10, - (2019)

11. Balanovsky, O.

Comments on the Caucasian Substrate Hypothesis

JOURNAL OF INDO-EUROPEAN STUDIES 47(1-2), 166-174 (2019)

12. Lamnidis, TC; Majander, K; Jeong, C; Salmela, E; Wessman, A; Moiseyev, V; Khartanovich, V; Balanovsky,

- O; Ongyerth, M; Weihmann, A; Sajantila, A; Kelso, J; Paabo, S; Onkamo, P; Haak, W; Krause, J; Schiffels, S.  
Ancient Fennoscandian genomes reveal origin and spread of Siberian ancestry in Europe  
NATURE COMMUNICATIONS 9, - (2018)
13. Kozin, MS; Kulakova, OG; Kiselev, IS; Balanovsky, OP; Boyko, AN; Favorova, OO.  
Variants of Mitochondrial Genome and Risk of Multiple Sclerosis Development in Russians  
ACTA NATURAE 10(4), 79-86 (2018)
14. Balanovsky, O; Zhabagin, M; Zaporozhchenko, V; Alborova, I; Balaganskaya, O; Agdzhoyan, A; Dibirova, K; Yusupov, Y; Sabitov, Z; Lavryashina, M; Nymadawa, P; Isakova, Z; Mustafin, K; Tyler-Smith, C; Balanovska, E.  
The migrations and barriers that shaped the Central Asian Y-chromosomal pool  
EUROPEAN JOURNAL OF HUMAN GENETICS 26, 771-772 (2018)
15. Tambets, K; Yunusbayev, B; Hudjashov, G; Ilumae, AM; Rootsi, S; Honkola, T; Vesakoski, O; Atkinson, Q; Skoglund, P; Kushniarevich, A; Litvinov, S; Reidla, M; Metspalu, E; Saag, L; Rantanen, T; Karmin, M; Parik, J; Zhadanov, SI; Gubina, M; Damba, LD; Bermisheva, M; Reisberg, T; Dibirova, K; Evseeva, I; Nelis, M; Klovins, J; Metspalu, A; Esko, T; Balanovsky, O; Balanovska, E; Khusnutdinova, EK; Osipova, LP; Voevoda, M; Villems, R; Kivisild, T; Metspalu, M.  
Genes reveal traces of common recent demographic history for most of the Uralic-speaking populations  
GENOME BIOLOGY 19, - (2018)
16. Triska, P; Chekanov, N; Stepanov, V; Khusnutdinova, EK; Kumar, GPA; Akhmetova, V; Babalyan, K; Boulygina, E; Kharkov, V; Gubina, M; Khidiyatova, I; Khitrinskaya, I; Khrameeva, EE; Khusainova, R; Konovalova, N; Litvinov, S; Marusin, A; Mazur, AM; Puzyrev, V; Ivanoshchuk, D; Spiridonova, M; Teslyuk, A; Tsygankova, S; Triska, M; Trofimova, N; Vajda, E; Balanovsky, O; Baranova, A; Skryabin, K; Tatarinova, TV; Prokhortchouk, E.  
Between Lake Baikal and the Baltic Sea: genomic history of the gateway to Europe  
BMC GENETICS 18, - (2017)
17. Balanovska, EV; Agdzhoyan, AT; Skhalyakho, RA; Balaganskaya, OA; Freydin, GS; Chernevskii, KG; Chernevskii, DK; Stepanov, GD; Kagazezheva, ZA; Zaporozhchenko, VV; Markina, NV; Palipana, D; Koshel, SM; Kozlov, SA; Balanovsky, OP.  
Gene Pool of the Novgorod Population: Between the North and the South  
RUSSIAN JOURNAL OF GENETICS 53(11), 1259-1271 (2017)
18. Bliznetz, EA; Lalayants, MR; Markova, TG; Balanovsky, OP; Balanovska, EV; Skhalyakho, RA; Pocheshkhova, EA; Nikitina, NV; Voronin, SV; Kudryashova, EK; Glotov, OS; Polyakov, AV.  
Update of the GJB2/DFNB1 mutation spectrum in Russia: a founder Ingush mutation del(GJB2-D13S175) is the most frequent among other large deletions  
JOURNAL OF HUMAN GENETICS 62(8), 789-795 (2017)
19. Balanovsky, O.  
Toward a consensus on SNP and STR mutation rates on the human Y-chromosome  
HUMAN GENETICS 136(5), 575-590 (2017)
20. Balanovsky, O; Chukhryaeva, M; Zaporozhchenko, V; Urasin, V; Zhabagin, M; Hovhannisyan, A; Agdzhoyan, A; Dibirova, K; Kuznetsova, M; Koshel, S; Pocheshkhova, E; Alborova, I; Skhalyakho, R; Utevska, O; Mustafin, K; Yepiskoposyan, L; Tyler-Smith, C; Balanovska, E.  
Genetic differentiation between upland and lowland populations shapes the Y-chromosomal landscape of West Asia  
HUMAN GENETICS 136(4), 437-450 (2017)
21. Balanovsky, O; Gurianov, V; Zaporozhchenko, V; Balaganskaya, O; Urasin, V; Zhabagin, M; Grugni, V; Canada, R; Al-Zahery, N; Raveane, A; Wen, SQ; Yan, S; Wang, XP; Zalloua, P; Marafi, A; Koshel, S; Semino, O; Tyler-Smith, C; Balanovska, E.

Phylogeography of human Y-chromosome haplogroup Q3-L275 from an academic/citizen science collaboration

BMC EVOLUTIONARY BIOLOGY 17, - (2017)

22. Balanovsky, OP.

Genetic data on peopling high latitude areas

HUMAN COLONIZATION OF THE ARCTIC: THE INTERACTION BETWEEN EARLY MIGRATION AND THE PALEOENVIRONMENT , 493-506 (2017)

23. Boulygina, EA; Lukianova, E; Grigoryeva, TV; Siniagina, MN; Malanin, SY; Balanovska, EV; Balanovsky, OP; Chernov, VM.

Lessons from the Whole Exome Sequencing Effort in Populations of Russia and Tajikistan

BIONANOSCIENCE 6(4), 540-542 (2016)

24. Agdzhoyan, AT; Balanovska, EV; Padyukova, AD; Dolinina, DO; Kuznetsova, MA; Zaporozhchenko, VV; Skhalyakho, RA; Koshel, SM; Zhabagin, MK; Yusupov, YM; Mustafin, KK; Ulyanova, MV; Tychinskih, ZA; Lavryashina, MB; Balanovsky, OP.

Gene pool of Siberian Tatars: Five ways of origin for five subethnic groups

MOLECULAR BIOLOGY 50(6), 860-873 (2016)

25. Elhaik, E; Tatarinova, T; Chebotarev, D; Piras, IS; Calo, CM; De Montis, A; Atzori, M; Marini, M; Tofanelli, S; Francalacci, P; Pagani, L; Tyler-Smith, C; Xue, YL; Cucca, F; Schurr, TG; Gaieski, JB; Melendez, C; Vilar, MG; Owings, AC; Gomez, R; Fujita, R; Santos, FR; Comas, D; Balanovsky, O; Balanovska, E; Zalloua, P; Soodyall, H; Pitchappan, R; GaneshPrasad, A; Hammer, M; Matisoo-Smith, L; Wells, RS; Royyuru, AK.

Geographic population structure analysis of worldwide human populations infers their biogeographical origins (vol 5, 3513, 2014)

NATURE COMMUNICATIONS 7, - (2016)

26. Pagani, L; Lawson, DJ; Jagoda, E; Morseburg, A; Eriksson, A; Mitt, M; Clemente, F; Hudjashov, G; DeGiorgio, M; Saag, L; Wall, JD; Cardona, A; Magi, R; Sayres, MAW; Kaewert, S; Inchley, C; Scheib, CL; Jarve, M; Karmin, M; Jacobs, GS; Antao, T; Iliescu, FM; Kushniarevich, A; Ayub, Q; Tyler-Smith, C; Xue, YL; Yunusbayev, B; Tambets, K; Mallick, CB; Saag, L; Pocheshkhova, E; Andriadze, G; Muller, C; Westaway, MC; Lambert, DM; Zoraqi, G; Turdikulova, S; Dalimova, D; Sabitov, Z; Sultana, GNN; Lachance, J; Tishkoff, S; Momynaliev, K; Isakova, J; Damba, LD; Gubina, M; Nymadawa, P; Evseeva, I; Atramentova, L; Utevska, O; Ricaut, FX; Brucato, N; Sudoyo, H; Letellier, T; Cox, MP; Barashkov, NA; Skaro, V; Mulahasanovic, L; Primorac, D; Sahakyan, H; Mormina, M; Eichstaedt, CA; Lichman, DV; Abdullah, S; Chaubey, G; Wee, JTS; Mihailov, E; Karunas, A; Litvinov, S; Khusainova, R; Ekomasova, N; Akhmetova, V; Khidiyatova, I; Marjanovi, D; Yepiskoposyan, L; Behar, DM; Balanovska, E; Metspalu, A; Derenko, M; Malyarchuk, B; Voevoda, M; Fedorova, SA; Osipova, LP; Mirazon, M; Gerbault, P; Leavesley, M; Migliano, AB; Petraglia, M; Balanovsky, O; Khusnutdinova, EK; Metspalu, E; Thomas, MG; Manica, A; Nielsen, R; Villems, R; Willerslev, E; Kivisild, T; Metspalu, M.

Genomic analyses inform on migration events during the peopling of Eurasia

NATURE 538(7624), 238-+ (2016)

27. Mallick, S; Li, H; Lipson, M; Mathieson, I; Gymrek, M; Racimo, F; Zhao, MY; Chennagiri, N; Nordenfelt, S; Tandon, A; Skoglund, P; Lazaridis, I; Sankararaman, S; Fu, QM; Rohland, N; Renaud, G; Erlich, Y; Willems, T; Gallo, C; Spence, JP; Song, YS; Poletti, G; Balloux, F; van Driem, G; de Knijff, P; Romero, IG; Jha, AR; Behar, DM; Bravi, CM; Capelli, C; Hervig, T; Moreno-Estrada, A; Posukh, OL; Balanovska, E; Balanovsky, O; Karachanak-Yankova, S; Sahakyan, H; Toncheva, D; Yepiskoposyan, L; Tyler-Smith, C; Xue, Y; Abdullah, MS; Ruiz-Linares, A; Beall, CM; Di Rienzo, A; Jeong, C; Starikovskaya, EB; Metspalu, E; Parik, J; Villems, R; Henn, BM; Hodoglugil, U; Mahley, R; Sajantila, A; Stamatoyannopoulos, G; Wee, JTS; Khusainova, R; Khusnutdinova, E; Litvinov, S; Ayodo, G; Comas, D; Hammer, MF; Kivisild, T; Klitz, W; Winkler, CA; Labuda, D; Bamshad, M; Jorde, LB; Tishkoff, SA; Watkins, WS; Metspalu, M; Dryomov, S; Sukernik, R; Singh, L;

Thangaraj, K; Paabo, S; Kelso, J; Patterson, N; Reich, D.

The Simons Genome Diversity Project: 300 genomes from 142 diverse populations

NATURE 538(7624), 201-+ (2016)

28. Ilumae, AM; Reidla, M; Chukhryaeva, M; Jarve, M; Post, H; Karmin, M; Saag, L; Agdzhoyan, A; Kushniarevich, A; Litvinov, S; Ekomasova, N; Tambets, K; Metspalu, E; Khusainova, R; Yunusbayev, B; Khusnutdinova, EK; Osipova, LP; Fedorova, S; Utevska, O; Koshel, S; Balanovska, E; Behar, DM; Balanovsky, O; Kivisild, T; Underhill, PA; Villems, R; Rootsi, S.

Human Y Chromosome Haplogroup N: A Non-trivial Time-Resolved Phylogeography that Cuts across Language Families

AMERICAN JOURNAL OF HUMAN GENETICS 99(1), 163-173 (2016)

29. Kushniarevich, A; Utevska, O; Chuhryaeva, M; Agdzhoyan, A; Dibirova, K; Uktveryte, I; Mols, M; Mulahasanovic, L; Pshenichnov, A; Frolova, S; Shanko, A; Metspalu, E; Reidla, M; Tambets, K; Tamm, E; Koshel, S; Zaporozhchenko, V; Atramentova, L; Kucinskis, V; Davydenko, O; Goncharova, O; Evseeva, I; Churnosov, M; Pocheshchova, E; Yunusbayev, B; Khusnutdinova, E; Marjanovic, D; Rudan, P; Rootsi, S; Yankovsky, N; Endicott, P; Kassian, A; Dybo, A; Tyler-Smith, C; Balanovska, E; Metspalu, M; Kivisild, T; Villems, R; Balanovsky, O.

Genetic Heritage of the Balto-Slavic Speaking Populations: A Synthesis of Autosomal, Mitochondrial and Y-Chromosomal Data

PLOS ONE 10(9), - (2015)

30. Raghavan, M; Steinrucken, M; Harris, K; Schiffels, S; Rasmussen, S; DeGiorgio, M; Albrechtsen, A; Valdiosera, C; Avila-Arcos, MC; Malaspina, AS; Eriksson, A; Moltke, I; Metspalu, M; Homburger, JR; Wall, J; Cornejo, OE; Moreno-Mayar, JV; Korneliusson, TS; Pierre, T; Rasmussen, M; Campos, PF; Damgaard, PD; Allentoft, ME; Lindo, J; Metspalu, E; Rodriguez-Varela, R; Mansilla, J; Henrickson, C; Seguin-Orlando, A; Malmstrom, H; Stafford, T; Shringarpure, SS; Moreno-Estrada, A; Karmin, M; Tambets, K; Bergstrom, A; Xue, Y; Warmuth, V; Friend, AD; Singarayer, J; Valdes, P; Balloux, F; Lebreiro, I; Vera, JL; Rangel-Villalobos, H; Pettener, D; Luiselli, D; Davis, LG; Heyer, E; Zollikofer, CPE; de Leon, MSP; Smith, CI; Grimes, V; Pike, KA; Deal, M; Fuller, BT; Arriaza, B; Standen, V; Luz, MF; Ricaut, F; Guidon, N; Osipova, L; Voevoda, MI; Posukh, OL; Balanovsky, O; Lavryashina, M; Bogunov, Y; Khusnutdinova, E; Gubina, M; Balanovska, E; Fedorova, S; Litvinov, S; Malyarchuk, B; Derenko, M; Moshier, MJ; Archer, D; Cybulski, J; Petzelt, B; Mitchell, J; Worl, R; Norman, PJ; Parham, P; Kemp, BM; Kivisild, T; Tyler-Smith, C; Sandhu, MS; Crawford, M; Villems, R; Smith, DG; Waters, MR; Goebel, T; Johnson, JR; Malhi, RS; Jakobsson, M; Meltzer, DJ; Manica, A; Durbin, R; Bustamante, CD; Song, YS; Nielsen, R; Willerslev, E.

Genomic evidence for the Pleistocene and recent population history of Native Americans

SCIENCE 349(6250), - (2015)

31. Utevska, OM; Pshenichnov, AS; Dibirova, KD; Rootsi, S; Agdzhoyan, AT; Churnosov, MI; Balanovska, EV; Atramentova, LA; Balanovsky, OP.

Gene pool similarities and differences between Ukrainians and Russians of Slobozhanshchina based on Y-chromosome data

CYTOLOGY AND GENETICS 49(4), 245-253 (2015)

32. Balanovsky, O; Zhabagin, M; Agdzhoyan, A; Chukhryaeva, M; Zaporozhchenko, V; Utevska, O; Highnam, G; Sabitov, Z; Greenspan, E; Dibirova, K; Skhalyakho, R; Kuznetsova, M; Koshel, S; Yusupov, Y; Nymadawa, P; Zhumadilov, Z; Pocheshkhova, E; Haber, M; Zalloua, PA; Yepiskoposyan, L; Dybo, A; Tyler-Smith, C; Balanovska, E.

Deep Phylogenetic Analysis of Haplogroup G1 Provides Estimates of SNP and STR Mutation Rates on the Human Y-Chromosome and Reveals Migrations of Iranian Speakers

PLOS ONE 10(4), - (2015)

33. Karmin, M; Saag, L; Vicente, M; Sayres, MAW; Jarve, M; Talas, UG; Rootsi, S; Ilumae, AM; Magi, R; Mitt,

M; Pagani, L; Puurand, T; Faltyskova, Z; Clemente, F; Cardona, A; Metspalu, E; Sahakyan, H; Yunusbayev, B; Hudjashov, G; DeGiorgio, M; Loogvali, EL; Eichstaedt, C; Eelmets, M; Chaubey, G; Tambets, K; Litvinov, S; Mormina, M; Xue, YL; Ayub, Q; Zoraqi, G; Korneliussen, TS; Akhatova, F; Lachance, J; Tishkoff, S; Momynaliev, K; Ricaut, FX; Kusuma, P; Razafindrazaka, H; Pierron, D; Cox, MP; Nurun, G; Sultana, N; Willerslev, R; Muller, C; Westaway, M; Lambert, D; Skaro, V; Kovacevic, L; Turdikulova, S; Dalimova, D; Khusainova, R; Trofimova, N; Akhmetova, V; Khidiyatova, I; Lichman, DV; Isakova, J; Pocheshkhova, E; Sabitov, Z; Barashkov, NA; Nymadawa, P; Mihailov, E; Seng, JWT; Evseeva, I; Migliano, AB; Abdullah, S; Andriadze, G; Primorac, D; Atramentova, L; Utevska, O; Yepiskoposyan, L; Marjanovic, D; Kushniarevich, A; Behar, DM; Gilissen, C; Vissers, L; Veltman, JA; Balanovska, E; Derenko, M; Malyarchuk, B; Metspalu, A; Fedorova, S; Eriksson, A; Manica, A; Mendez, FL; Karafet, TM; Veeramah, KR; Bradman, N; Hammer, MF; Osipova, LP; Balanovsky, O; Khusnutdinova, EK; Johnsen, K; Remm, M; Thomas, MG; Tyler-Smith, C; Underhill, PA; Willerslev, E; Nielsen, R; Metspalu, M; Villems, R; Kivisild, T.

A recent bottleneck of Y chromosome diversity coincides with a global change in culture

GENOME RESEARCH 25(4), 459-466 (2015)

34. Yunusbayev, B; Metspalu, M; Metspalu, E; Valeev, A; Litvinov, S; Valiev, R; Akhmetova, V; Balanovska, E; Balanovsky, O; Turdikulova, S; Dalimova, D; Nymadawa, P; Bahmanimehr, A; Sahakyan, H; Tambets, K; Fedorova, S; Barashkov, N; Khidiyatova, I; Mihailov, E; Khusainova, R; Damba, L; Derenko, M; Malyarchuk, B; Osipova, L; Voevoda, M; Yepiskoposyan, L; Kivisild, T; Khusnutdinova, E; Villems, R.

The Genetic Legacy of the Expansion of Turkic-Speaking Nomads across Eurasia

PLOS GENETICS 11(4), - (2015)

35. Underhill, PA; Poznik, GD; Rootsi, S; Jaerve, M; Lin, AA; Wang, J; Passarelli, B; Kanbar, J; Myres, NM; King, RJ; Di Cristofaro, J; Sahakyan, H; Behar, DM; Kushniarevich, A; Sarac, J; Saric, T; Rudan, P; Pathak, AK; Chaubey, G; Grugni, V; Semino, O; Yepiskoposyan, L; Bahmanimehr, A; Farjadian, S; Balanovsky, O; Khusnutdinova, EK; Herrera, RJ; Chiaroni, J; Bustamante, CD; Quake, SR; Kivisild, T; Villems, R.

The phylogenetic and geographic structure of Y-chromosome haplogroup R1a

EUROPEAN JOURNAL OF HUMAN GENETICS 23(1), 124-131 (2015)

36. Knappskog, S; Gansmo, LB; Dibirova, K; Metspalu, A; Cybulski, C; Peterlongo, P; Aaltonen, L; Vatten, L; Romundstad, P; Hveem, K; Devilee, P; Evans, GD; Lin, DX; Van Camp, G; Manolopoulos, VG; Osorio, A; Milani, L; Ozcelik, T; Zalloua, P; Mouzaya, F; Bliznetz, E; Balanovska, E; Pocheshkova, E; Kucinskis, V; Atramentova, L; Nymadawa, P; Titov, K; Lavryashina, M; Yusupov, Y; Bogdanova, N; Koshel, S; Zamora, J; Wedge, DC; Charlesworth, D; Dork, T; Balanovsky, O; Lanning, PE.

Population distribution and ancestry of the cancer protective MDM2 SNP285 (rs117039649)

ONCOTARGET 5(18), 8223-8234 (2014)

37. Lazaridis, I; Patterson, N; Mittnik, A; Renaud, G; Mallick, S; Kirsanow, K; Sudmant, PH; Schraiber, JG; Castellano, S; Lipson, M; Berger, B; Economou, C; Bollongino, R; Fu, QM; Bos, KI; Nordenfelt, S; Li, H; de Filippo, C; Prufer, K; Sawyer, S; Posth, C; Haak, W; Hallgren, F; Fornander, E; Rohland, N; Delsate, D; Francken, M; Guinet, JM; Wahl, J; Ayodo, G; Babiker, HA; Bailliet, G; Balanovska, E; Balanovsky, O; Barrantes, R; Bedoya, G; Ben-Ami, H; Bene, J; Berrada, F; Bravi, CM; Brisighelli, F; Busby, GBJ; Cali, F; Churnosov, M; Cole, DEC; Corach, D; Damba, L; van Driem, G; Dryomov, S; Dugoujon, JM; Fedorova, SA; Romero, IG; Gubina, M; Hammer, M; Henn, BM; Hervig, T; Hodoglugil, U; Jha, AR; Karachanak-Yankova, S; Khusainova, R; Khusnutdinova, E; Kittles, R; Kivisild, T; Klitz, W; Kucinskis, V; Kushniarevich, A; Laredj, L; Litvinov, S; Loukidis, T; Mahley, RW; Melegh, B; Metspalu, E; Molina, J; Mountain, J; Nakkalajarvi, K; Nesheva, D; Nyambo, T; Osipova, L; Parik, J; Platonov, F; Posukh, O; Romano, V; Rothhammer, F; Rudan, I; Ruizbakiev, R; Sahakyan, H; Sajantila, A; Salas, A; Starikovskaya, EB; Tarekegn, A; Toncheva, D; Turdikulova, S; Uktveryte, I; Utevska, O; Vasquez, R; Villena, M; Voevoda, M; Winkler, CA; Yepiskoposyan, L; Zalloua, P; Zemunik, T; Cooper, A; Capelli, C; Thomas, MG; Ruiz-Linares, A; Tishkoff, SA; Singh, L; Thangaraj, K; Villems, R; Comas, D; Sukernik, R; Metspalu, M; Meyer, M; Eichler, EE; Burger, J; Slatkin, M; Paabo, S; Kelso, J; Reich, D; Krause, J.

Ancient human genomes suggest three ancestral populations for present-day Europeans

NATURE 513(7518), 409-+ (2014)

38. Elhaik, E; Tatarinova, T; Chebotarev, D; Piras, IS; Calo, CM; De Montis, A; Atzori, M; Marini, M; Tofanelli, S; Francalacci, P; Pagani, L; Tyler-Smith, C; Xue, YL; Cucca, F; Schurr, TG; Gaieski, JB; Melendez, C; Vilar, MG; Owings, AC; Gomez, R; Fujita, R; Santos, FR; Comas, D; Balanovsky, O; Balanovska, E; Zalloua, P; Soodyall, H; Pitchappan, R; GaneshPrasad, A; Hammer, M; Matisoo-Smith, L; Wells, RS.  
Geographic population structure analysis of worldwide human populations infers their biogeographical origins  
NATURE COMMUNICATIONS 5, - (2014)
39. Sarkissian, CD; Brotherton, P; Balanovsky, O; Templeton, JEL; Llamas, B; Soubrier, J; Moiseyev, V; Khartanovich, V; Cooper, A; Haak, W.  
Mitochondrial Genome Sequencing in Mesolithic North East Europe Unearths a New Sub-Clade within the Broadly Distributed Human Haplogroup C1  
PLOS ONE 9(2), - (2014)
40. Clarke, AC; Prost, S; Stanton, JAL; White, WTJ; Kaplan, ME; Matisoo-Smith, EA.  
From cheek swabs to consensus sequences: an A to Z protocol for high-throughput DNA sequencing of complete human mitochondrial genomes  
BMC GENOMICS 15, - (2014)
41. Raghavan, M; Skoglund, P; Graf, KE; Metspalu, M; Albrechtsen, A; Moltke, I; Rasmussen, S; Stafford, TW; Orlando, L; Metspalu, E; Karmin, M; Tambets, K; Rootsi, S; Magi, R; Campos, PF; Balanovska, E; Balanovsky, O; Khusnutdinova, E; Litvinov, S; Osipova, LP; Fedorova, SA; Voevoda, MI; DeGiorgio, M; Sicheritz-Ponten, T; Brunak, S; Demeshchenko, S; Kivisild, T; Villems, R; Nielsen, R; Jakobsson, M; Willerslev, E.  
Upper Palaeolithic Siberian genome reveals dual ancestry of Native Americans  
NATURE 505(7481), 87-+ (2014)
42. Pshenichnov, A; Balanovsky, O; Utevska, O; Metspalu, E; Zaporozhchenko, V; Agdzhoyan, A; Churnosov, M; Atramentova, L; Balanovska, E.  
Genetic Affinities of Ukrainians From the Maternal Perspective  
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY 152(4), 543-550 (2013)
43. Behar, DM; Metspalu, M; Baran, Y; Kopelman, NM; Yunusbayev, B; Gladstein, A; Tzur, S; Sahakyan, H; Bahmanimehr, A; Yepiskoposyan, L; Tambets, K; Khusnutdinova, EK; Kushniarevich, A; Balanovsky, O; Balanovsky, E; Kovacevic, L; Marjanovic, D; Mihailov, E; Kouvatsi, A; Triantaphyllidis, C; King, RJ; Semino, O; Torroni, A; Hammer, MF; Metspalu, E; Skorecki, K; Rosset, S; Halperin, E; Villems, R; Rosenberg, NA.  
No Evidence from Genome-wide Data of a Khazar Origin for the Ashkenazi Jews  
HUMAN BIOLOGY 85(6), 859-900 (2013)
44. Brandt, G; Haak, W; Adler, CJ; Roth, C; Szecsenyi-Nagy, A; Karimnia, S; Moller-Rieker, S; Meller, H; Ganslmeier, R; Friederich, S; Dresely, V; Nicklisch, N; Pickrell, JK; Sirocko, F; Reich, D; Cooper, A; Alt, KW.  
Ancient DNA Reveals Key Stages in the Formation of Central European Mitochondrial Genetic Diversity  
SCIENCE 342(6155), 257-261 (2013)
45. Boattini, A; Martinez-Cruz, B; Sarno, S; Harmant, C; Useli, A; Sanz, P; Yang-Yao, D; Manry, J; Ciani, G; Luiselli, D; Quintana-Murci, L; Comas, D; Pettener, D.  
Uniparental Markers in Italy Reveal a Sex-Biased Genetic Structure and Different Historical Strata  
PLOS ONE 8(5), - (2013)
46. Brotherton, P; Haak, W; Templeton, J; Brandt, G; Soubrier, J; Adler, CJ; Richards, SM; Sarkissian, CD; Ganslmeier, R; Friederich, S; Dresely, V; van Oven, M; Kenyon, R; Van der Hoek, MB; Korfach, J; Luong, K; Ho, SYW; Quintana-Murci, L; Behar, DM; Meller, H; Alt, KW; Cooper, A.  
Neolithic mitochondrial haplogroup H genomes and the genetic origins of Europeans  
NATURE COMMUNICATIONS 4, - (2013)
47. Rebala, K; Martinez-Cruz, B; Tonjes, A; Kovacs, P; Stumvoll, M; Lindner, I; Buttner, A; Wichmann, HE;



- Sivakova, D; Sotak, M; Quintana-Murci, L; Szczerkowska, Z; Comas, D.  
Contemporary paternal genetic landscape of Polish and German populations: from early medieval Slavic expansion to post-World War II resettlements  
EUROPEAN JOURNAL OF HUMAN GENETICS 21(4), 415-422 (2013)
48. Sarkissian, CD; Balanovsky, O; Brandt, G; Khartanovich, V; Buzhilova, A; Koshel, S; Zaporozhchenko, V; Gronenborn, D; Moiseyev, V; Kolpakov, E; Shumkin, V; Alt, KW; Balanovska, E; Cooper, A; Haak, W.  
Ancient DNA Reveals Prehistoric Gene-Flow from Siberia in the Complex Human Population History of North East Europe  
PLOS GENETICS 9(2), - (2013)
49. Badro, DA; Douaihy, B; Haber, M; Youhanna, SC; Salloum, A; Ghassibe-Sabbagh, M; Johnsrud, B; Khazen, G; Matisoo-Smith, E; Soria-Hernanz, DF; Wells, RS; Tyler-Smith, C; Platt, DE; Zalloua, PA.  
Y-Chromosome and mtDNA Genetics Reveal Significant Contrasts in Affinities of Modern Middle Eastern Populations with European and African Populations  
PLOS ONE 8(1), - (2013)
50. Elhaik, E; Greenspan, E; Staats, S; Krahn, T; Tyler-Smith, C; Xue, YL; Tofanelli, S; Francalacci, P; Cucca, F; Pagani, L; Jin, L; Li, H; Schurr, TG; Greenspan, B; Wells, RS.  
The GenoChip: A New Tool for Genetic Anthropology  
GENOME BIOLOGY AND EVOLUTION 5(5), 1021-1031 (2013)
51. Rootsi, S; Myres, NM; Lin, AA; Jarve, M; King, RJ; Kutuev, I; Cabrera, VM; Khusnutdinova, EK; Varendi, K; Sahakyan, H; Behar, DM; Khusainova, R; Balanovsky, O; Balanovska, E; Rudan, P; Yepiskoposyan, L; Bahmanimehr, A; Farjadian, S; Kushniarevich, A; Herrera, RJ; Grugni, V; Battaglia, V; Nici, C; Crobu, F; Karachanak, S; Kashani, BH; Houshmand, M; Sanati, MH; Toncheva, D; Lisa, A; Semino, O; Chiaroni, J; Di Cristofaro, J; Villems, R; Kivisild, T; Underhill, PA.  
Distinguishing the co-ancestries of haplogroup G Y-chromosomes in the populations of Europe and the Caucasus  
EUROPEAN JOURNAL OF HUMAN GENETICS 20(12), 1275-1282 (2012)
52. ArunKumar, G; Soria-Hernanz, DF; Kavitha, VJ; Arun, VS; Syama, A; Ashokan, KS; Gandhirajan, KT; Vijayakumar, K; Narayanan, M; Jayalakshmi, M; Ziegler, JS; Royyuru, AK; Parida, L; Wells, RS; Renfrew, C; Schurr, TG; Smith, CT; Platt, DE; Pitchappan, R.  
Population Differentiation of Southern Indian Male Lineages Correlates with Agricultural Expansions Predating the Caste System  
PLOS ONE 7(11), - (2012)
53. Martinez-Cruz, B; Harmant, C; Platt, DE; Haak, W; Manry, J; Ramos-Luis, E; Soria-Hernanz, DF; Bauduer, F; Salaberria, J; Oyharcabal, B; Quintana-Murci, L; Comas, D.  
Evidence of Pre-Roman Tribal Genetic Structure in Basques from Uniparentally Inherited Markers  
MOLECULAR BIOLOGY AND EVOLUTION 29(9), 2211-2222 (2012)
54. Martinez-Cruz, B; Ioana, M; Calafell, F; Arauna, LR; Sanz, P; Ionescu, R; Boengiu, S; Kalaydjieva, L; Pamjav, H; Makukh, H; Plantinga, T; van der Meer, JWM; Comas, D; Netea, MG.  
Y-Chromosome Analysis in Individuals Bearing the Basarab Name of the First Dynasty of Wallachian Kings  
PLOS ONE 7(7), - (2012)
55. Schurr, TG; Dulik, MC; Owings, AC; Zhadanov, SI; Gaietski, JB; Vilar, MG; Ramos, J; Moss, MB; Natkong, F.  
Clan, language, and migration history has shaped genetic diversity in Haida and Tlingit populations from Southeast Alaska  
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY 148(3), 422-435 (2012)
56. Javed, A; Mele, M; Pybus, M; Zalloua, P; Haber, M; Comas, D; Netea, MG; Balanovsky, O; Balanovska, E; Jin, L; Yang, YJ; ArunKumar, G; Pitchappan, R; Bertranpetit, J; Calafell, F; Parida, L.

Recombination networks as genetic markers in a human variation study of the Old World  
HUMAN GENETICS 131(4), 601-613 (2012)

57. Haber, M; Platt, DE; Bonab, MA; Youhanna, SC; Soria-Hernanz, DF; Martinez-Cruz, B; Douaihy, B; Ghassibe-Sabbagh, M; Rafatpanah, H; Ghanbari, M; Whale, J; Balanovsky, O; Wells, RS; Comas, D; Tyler-Smith, C; Zalloua, PA.

Afghanistan's Ethnic Groups Share a Y-Chromosomal Heritage Structured by Historical Events  
PLOS ONE 7(3), - (2012)

58. Lu, Y; Wang, CC; Qin, ZD; Wen, B; Farina, SE; Jin, L; Li, H.  
Mitochondrial origin of the matrilineal Mosuo people in China  
MITOCHONDRIAL DNA 23(1), 13-19 (2012)

59. Mele, M; Javed, A; Pybus, M; Zalloua, P; Haber, M; Comas, D; Netea, MG; Balanovsky, O; Balanovska, E; Jin, L; Yang, YJ; Pitchappan, RM; Arunkumar, G; Parida, L; Calafell, F; Bertranpetit, J.  
Recombination Gives a New Insight in the Effective Population Size and the History of the Old World Human Populations  
MOLECULAR BIOLOGY AND EVOLUTION 29(1), 25-30 (2012)

60. Calafell, F; Mele, M; Javed, A; Pybus, M; Zalloua, P; Haber, M; Comas, D; Netea, MG; Balanovsky, O; Balanovska, O; Jin, L; Yang, YJ; Arunkumar, G; Pitchappan, R; Bertranpetit, J; Parida, L.  
Recombination networks as genetic markers in a human variation study of the Old World.  
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY 147, 110-110 (2012)

61. Haber, M; Youhanna, SC; Balanovsky, O; Saade, S; Martinez-Cruz, B; Ghassibe-Sabbagh, M; Shasha, N; Osman, R; el Bayeh, H; Koshel, S; Zaporozhchenko, V; Balanovska, E; Soria-Hernanz, DF; Platt, DE; Zalloua, PA.  
mtDNA Lineages Reveal Coronary Artery Disease-Associated Structures in the Lebanese Population  
ANNALS OF HUMAN GENETICS 76, 1-8 (2012)

62. Kang, LL; Lu, Y; Wang, CC; Hu, K; Chen, F; Liu, K; Li, SL; Jin, L; Li, H.  
Y-chromosome O3 Haplogroup Diversity in Sino-Tibetan Populations Reveals Two Migration Routes into the Eastern Himalayas  
ANNALS OF HUMAN GENETICS 76, 92-99 (2012)

63. Gaieski, JB; Owings, AC; Vilar, MG; Dulik, MC; Gaieski, DF; Gittelman, RM; Lindo, J; Gau, L; Schurr, TG.  
Genetic Ancestry and Indigenous Heritage in a Native American Descendant Community in Bermuda  
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY 146(3), 392-405 (2011)

64. Balanovsky, O; Dibirova, K; Dybo, A; Mudrak, O; Frolova, S; Pocheshkhova, E; Haber, M; Platt, D; Schurr, T; Haak, W; Kuznetsova, M; Radzhabov, M; Balaganskaya, O; Romanov, A; Zakharova, T; Hernanz, DF; Zalloua, P; Koshel, S; Ruhlen, M; Renfrew, C; Wells, RS; Tyler-Smith, C; Balanovska, E.  
Parallel Evolution of Genes and Languages in the Caucasus Region  
MOLECULAR BIOLOGY AND EVOLUTION 28(10), 2905-2920 (2011)

65. Yan, S; Wang, CC; Li, H; Li, SL; Jin, L.  
An updated tree of Y-chromosome Haplogroup O and revised phylogenetic positions of mutations P164 and PK4  
EUROPEAN JOURNAL OF HUMAN GENETICS 19(9), 1013-1015 (2011)

66. Cai, XY; Qin, ZD; Wen, B; Xu, SH; Wang, Y; Lu, Y; Wei, LH; Wang, CC; Li, SL; Huang, XQ; Jin, L; Li, H; Consortium, G.  
Human Migration through Bottlenecks from Southeast Asia into East Asia during Last Glacial Maximum Revealed by Y Chromosomes  
PLOS ONE 6(8), - (2011)

67. Balanovska, EV; Romanov, AG; Balanovsky, OP.  
Namesakes or relatives? Approaches to investigating the relationship between Y chromosome haplogroups and surnames  
MOLECULAR BIOLOGY 45(3), 430-441 (2011)
68. Stepanov, VA; Balanovsky, OP; Melnikov, AV; Lash-Zavada, AY; Khar'kov, VN; Tyazhelova, TV; Akhmetova, VL; Zhukova, OV; Shneider, YV; Shil'nikova, IN; Borinskaya, SA; Marusin, AV; Spiridonova, MG; Simonova, KV; Khitrinskaya, IY; Radzhabov, MO; Romanov, AG; Shtygasheva, OV; Koshel, SM; Balanovskaya, EV; Rybakova, AV; Khusnutdinova, EK; Puzyrev, VP; Yankovsky, NK.  
Characteristics of Populations of the Russian Federation over the Panel of Fifteen Loci Used for DNA Identification and in Forensic Medical Examination  
ACTA NATURAE 3(2), 56-67 (2011)
69. Haber, M; Platt, DE; Badro, DA; Xue, YL; El-Sibai, M; Bonab, MA; Youhanna, SC; Saade, S; Soria-Hernanz, DF; Royyuru, A; Wells, RS; Tyler-Smith, C; Zalloua, PA.  
Influences of history, geography, and religion on genetic structure: the Maronites in Lebanon  
EUROPEAN JOURNAL OF HUMAN GENETICS 19(3), 334-340 (2011)
70. Yang, K; Zheng, HX; Qin, ZD; Lu, Y; Farina, SE; Li, SL; Jin, L; Li, DN; Li, H.  
Positive selection on mitochondrial M7 lineages among the Gelong people in Hainan  
JOURNAL OF HUMAN GENETICS 56(3), 253-256 (2011)
71. Myres, NM; Rootsi, S; Lin, AA; Jarve, M; King, RJ; Kutuev, I; Cabrera, VM; Khusnutdinova, EK; Pshenichnov, A; Yunusbayev, B; Balanovsky, O; Balanovska, E; Rudan, P; Baldoic, M; Herrera, RJ; Chiaroni, J; Di Cristofaro, J; VILLEMS, R; Kivisild, T; Underhill, PA.  
A major Y-chromosome haplogroup R1b Holocene era founder effect in Central and Western Europe  
EUROPEAN JOURNAL OF HUMAN GENETICS 19(1), 95-101 (2011)
72. Qin, ZD; Yang, YJ; Kang, LL; Yan, S; Cho, K; Cai, XY; Lu, Y; Zheng, HX; Zhu, DC; Fei, DM; Li, SL; Jin, L; Li, H.  
A Mitochondrial Revelation of Early Human Migrations to the Tibetan Plateau Before and After the Last Glacial Maximum  
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY 143(4), 555-569 (2010)
73. Mele, M; Javed, A; Pybus, M; Calafell, F; Parida, L; Bertranpetit, J.  
A New Method to Reconstruct Recombination Events at a Genomic Scale  
PLOS COMPUTATIONAL BIOLOGY 6(11), - (2010)
74. Haak, W; Balanovsky, O; Sanchez, JJ; Koshel, S; Zaporozhchenko, V; Adler, CJ; Sarkissian, CSID; Brandt, G; Schwarz, C; Nicklisch, N; Dresely, V; Fritsch, B; Balanovska, E; VILLEMS, R; Meller, H; Alt, KW; Cooper, A.  
Ancient DNA from European Early Neolithic Farmers Reveals Their Near Eastern Affinities  
PLOS BIOLOGY 8(11), - (2010)
75. Behar, DM; Yunusbayev, B; Metspalu, M; Metspalu, E; Rosset, S; Parik, J; Rootsi, S; Chaubey, G; Kutuev, I; Yudkovsky, G; Khusnutdinova, EK; Balanovsky, O; Semino, O; Pereira, L; Comas, D; Gurwitz, D; Bonne-Tamir, B; Parfitt, T; Hammer, MF; Skorecki, K; VILLEMS, R.  
The genome-wide structure of the Jewish people  
NATURE 466(7303), 238-242 (2010)
76. Solovieva, DS; Balanovska, EV; Kuznetsova, MA; Vasinskaya, OA; Frolova, SA; Pocheshkhova, EA; Evseeva, IV; Boldyreva, MN; Balanovsky, OP.  
The russian gene pool: the gene geography of Alu insertions (ACE, APOA1, B65, PV92, TPA25)  
MOLECULAR BIOLOGY 44(3), 393-400 (2010)
77. Quintana-Murci, L; Harmant, C; Quach, H; Balanovsky, O; Zaporozhchenko, V; Bormans, C; van Helden, PD; Hoal, EG; Behar, DM.

Strong Maternal Khoisan Contribution to the South African Coloured Population: A Case of Gender-Biased Admixture

AMERICAN JOURNAL OF HUMAN GENETICS 86(4), 611-620 (2010)

78. Quintana-Murci, L; Harmant, C; Quach, H; Balanovsky, O; Zaporozhchenko, V; Bormans, C; van Helden, PD; Hoal, EG; Behar, DM.

Strong Maternal Khoisan Contribution to the South African Coloured Population: A Case of Gender-Biased Admixture (vol 86, 611, 2010)

AMERICAN JOURNAL OF HUMAN GENETICS 86(4), 654-654 (2010)

79. Underhill, PA; Myres, NM; Rootsi, S; Metspalu, M; Zhivotovsky, LA; King, RJ; Lin, AA; Chow, CET; Semino, O; Battaglia, V; Kutuev, I; Jarve, M; Chaubey, G; Ayub, Q; Mohyuddin, A; Mehdi, SQ; Sengupta, S; Rogaev, EI; Khusnutdinova, EK; Pshenichnov, A; Balanovsky, O; Balanovska, E; Jeran, N; Augustin, DH; Baldovic, M; Herrera, RJ; Thangaraj, K; Singh, V; Singh, L; Majumder, P; Rudan, P; Primorac, D; Villems, R; Kivisild, T. Separating the post-Glacial coancestry of European and Asian Y chromosomes within haplogroup R1a

EUROPEAN JOURNAL OF HUMAN GENETICS 18(4), 479-484 (2010)

80. El-Sibai, M; Platt, DE; Haber, M; Xue, YL; Youhanna, SC; Wells, RS; Izaabel, H; Sanyoura, MF; Harmanani, H; Bonab, MA; Behbehani, J; Hashwa, F; Tyler-Smith, C; Zalloua, PA.

Geographical Structure of the Y-chromosomal Genetic Landscape of the Levant: A coastal-inland contrast

ANNALS OF HUMAN GENETICS 73, 568-581 (2009)

81. Chernykh, V; Balanovsky, O; Kurilo, L; Polyakov, A; Balanovska, E.

HIGH PREVALENCE OF THE HAPLOGROUP N IN RUSSIAN INFERTILE MEN WITH PARTIAL AZFC DELETIONS

JOURNAL OF ANDROLOGY 30, 43-43 (2009)

82. Zalloua, PA; Platt, DE; El Sibai, M; Khalife, J; Makhoul, N; Haber, M; Xue, Y; Izaabel, H; Bosch, E; Adams, SM; Arroyo, E; Lopez-Parra, AM; Aler, M; Picornell, A; Ramon, M; Jobling, MA; Comas, D; Bertranpetit, J; Wells, RS; Tyler-Smith, C.

Identifying Genetic Traces of Historical Expansions: Phoenician Footprints in the Mediterranean

AMERICAN JOURNAL OF HUMAN GENETICS 83(5), 633-642 (2008)

83. Rossett, S; Wells, RS; Soria-Hernanz, DE; Tyler-Smith, C; Royyuru, AK; Behar, DM.

Maximum-Likelihood Estimation of Site-Specific Mutation Rates in Human Mitochondrial DNA From Partial Phylogenetic Classification

GENETICS 180(3), 1511-1524 (2008)

84. Behar, DM; Villems, R; Soodyall, H; Blue-Smith, J; Pereira, L; Metspalu, E; Scozzari, R; Makkan, H; Tzur, S; Comas, D; Bertranpetit, J; Quintana-Murci, L; Tyler-Smith, C; Wells, RS; Rosset, S.

The dawn of human matrilineal diversity

AMERICAN JOURNAL OF HUMAN GENETICS 82(5), 1130-1140 (2008)

85. Zalloua, PA; Xue, YL; Khalife, J; Makhoul, N; Debiane, L; Platt, DE; Royyuru, AK; Herrera, RJ; Hernanz, DFS; Blue-Smith, J; Wells, RS; Comas, D; Bertranpetit, J; Tyler-Smith, C.

Y-chromosomal diversity in Lebanon is structured by recent historical events

AMERICAN JOURNAL OF HUMAN GENETICS 82(4), 873-882 (2008)

86. Balanovsky, O; Rootsi, S; Pshenichnov, A; Kivisild, T; Churnosov, M; Evseeva, I; Pocheshkhova, E; Boldyreva, M; Yankovsky, N; Balanovska, E; Villems, R.

Two sources of the Russian patrilineal heritage in their Eurasian context

AMERICAN JOURNAL OF HUMAN GENETICS 82(1), 236-250 (2008)

87. Behar, DM; Rosset, S; Blue-Smith, J; Balanovsky, O; Tzur, S; Comas, D; Mitchell, RJ; Quintana-Murci, L; Tyler-Smith, C; Wells, RS.

The genographic project public participation mitochondrial DNA database (vol 3, pg 1083, 2007)

PLOS GENETICS 3(9), 1785-1785 (2007)

88. Behar, DM; Rosset, S; Blue-Smith, J; Balanovsky, O; Tzur, S; Comas, D; Mitchell, RJ; Quintana-Murci, L; Tyler-Smith, C; Wells, RS.

The genographic project public participation mitochondrial DNA database  
PLOS GENETICS 3(6), 1083-1095 (2007)

89. Behar, DM; Metspalu, E; Kivisild, T; Achilli, A; Hadid, Y; Tzur, S; Pereira, L; Amorim, A; Quintana-Murci, L; Majamaa, K; Herrstadt, C; Howell, N; Balanovsky, O; Kutuev, I; Pshenichnov, A; Gurwitz, D; Bonne-Tamir, B; Torroni, A; Villems, R; Skorecki, K.

The matrilineal ancestry of Ashkenazi Jewry: Portrait of a recent founder event  
AMERICAN JOURNAL OF HUMAN GENETICS 78(3), 487-497 (2006)

90. Loogvali, EL; Roostalu, U; Malyarchuk, BA; Derenko, MV; Kivisild, T; Metspalu, E; Tambets, K; Reidla, M; Tolk, HV; Parik, J; Pennarun, E; Laos, S; Lunkina, A; Golubenko, M; Barac, L; Pericic, M; Balanovsky, OP; Gusar, V; Khusnutdinova, EK; Stepanov, V; Puzyrev, V; Rudan, P; Balanovska, EV; Grechanina, E; Richard, C; Moisan, JP; Chaventre, A; Anagnou, NP; Pappa, KI; Michalodimitrakis, EN; Claustres, M; Golge, M; Mikerezi, I; Usanga, E; Villems, R.

Disuniting uniformity: A pied cladistic canvas of mtDNA haplogroup H in Eurasia  
MOLECULAR BIOLOGY AND EVOLUTION 21(11), 2012-2021 (2004)

91. Rootsi, S; Magri, C; Kivisild, T; Benuzzi, G; Help, H; Bermisheva, M; Kutuev, I; Barac, L; Pericic, M; Balanovsky, O; Pshenichnov, A; Dion, D; Grobei, M; Zhivotovsky, LA; Battaglia, V; Achilli, A; Al-Zahery, N; Parik, J; King, R; Cinnioglu, C; Khusnutdinova, E; Rudan, P; Balanovska, E; Scheffrahn, W; Simonescu, M; Brehm, A; Goncalves, R; Rosa, A; Moisan, JP; Chaventre, A; Ferak, V; Furedi, S; Oefner, PJ; Shen, PD; Beckman, L; Mikerezi, I; Terzic, R; Primorac, D; Cambon-Thomsen, A; Krumina, A; Torroni, A; Underhill, PA; Santachiara-Benerecetti, AS; Villems, R; Semino, O.

Phylogeography of Y-chromosome haplogroup I reveals distinct domains of prehistoric gene flow in Europe  
AMERICAN JOURNAL OF HUMAN GENETICS 75(1), 128-137 (2004)

92. Tambets, K; Rootsi, S; Kivisild, T; Help, H; Serk, P; Loogvali, EL; Tolk, HV; Reidla, M; Metspalu, E; Pliss, L; Balanovsky, O; Pshenichnov, A; Balanovska, E; Gubina, M; Zhadanov, S; Osipova, L; Damba, L; Voevoda, M; Kutuev, I; Bermisheva, M; Khusnutdinova, E; Gusar, V; Grechanina, E; Parik, J; Pennarun, E; Richard, C; Chaventre, A; Moisan, JP; Barac, L; Pericic, M; Rudan, P; Terzic, R; Mikerezi, I; Krumina, A; Baumanis, V; Koziel, S; Rickards, O; De Stefano, GF; Anagnou, N; Pappa, KI; Michalodimitrakis, E; Ferak, V; Furedi, S; Komel, R; Beckman, L; Villems, R.

The western and eastern roots of the Saami - The story of genetic "outliers" told by mitochondrial DNA and Y chromosomes

AMERICAN JOURNAL OF HUMAN GENETICS 74(4), 661-682 (2004)

93. Balanovsky, OP; Villems, R; Churnosov, MI; Pocheshkova, EA; Balanovska, EV.

Gene diversity of mitochondrial DNA in Russians

AMERICAN JOURNAL OF HUMAN GENETICS 73(5), 378-378 (2003)

94. Evseeva, I; Tonks, S; Wells, S; Balanovsky, O; Spitsin, V; Alexeev, L; Boldyreva, M; Bodmer, WF.

The contribution of different genes to genetic differentiation between aboriginal populations of Northern Russia

GENES AND IMMUNITY 4, S26-S26 (2003)

95. Balanovska, E; Pocheschkhova, E; Verbenko, D; Balanovsky, O; Seryogin, Y; Subbota, D; Mamgetov, K; Limborska, S; Villems, R.

Population structure of Adygs, as revealed using DNA data and surname frequencies.

EUROPEAN JOURNAL OF HUMAN GENETICS 10, 181-181 (2002)

96. Limborska, SA; Balanovsky, OP; Balanovskaya, EV; Slominsky, PA; Schadrina, MI; Livshits, LA; Kravchenko,

SA; Pampuha, VM; Khusnutdinova, EK; Spitsyn, VA.

Analysis of CCR5 Delta 32 geographic distribution and its correlation with some climatic and geographic factors

HUMAN HEREDITY 53(1), 49-54 (2002)

97. Evseeva, IV; Boldyreva, M; Tonks, S; Wells, S; Balanovsky, OP; Spitsin, V; Alexeev, L; Bodmer, J; Bodmer, W.

LA polymorphism in genetic structure analysis of the aboriginal populations of Northern Russia

TISSUE ANTIGENS 59, 132-132 (2002)

98. Verbenko, DA; Balanovsky, OP; Balanovskaya, E; Khusnutdinova, EK; Limborska, SA.

East European gene geography of 3' ApoB VNTR polymorphism.

AMERICAN JOURNAL OF HUMAN GENETICS 69(4), 401-401 (2001)

99. Verbenko, DA; Balanovsky, OP; Pogoda, TV; Mikulich, AI; Livshits, LA; Bets, LV; Bebyakova, NA; Limborska, SA.

Minisatellite DNA diversity in East Slavs.

AMERICAN JOURNAL OF HUMAN GENETICS 67(4), 221-221 (2000)

100. Limborska, SA; Slominsky, PA; Balanovskaya, EV; Belyaeva, OV; Pogoda, TV; Shadrina, MI; Popova, SN; Balanovsky, OP; Verbenko, DA; Khusnutdinova, EK; Mikulich, AI; Bets, LV; Stepanova, AV; Spitsyn, VA.

DNA polymorphism in the study of gene geography of East Europe.

AMERICAN JOURNAL OF HUMAN GENETICS 65(4), A209-A209 (1999)

101. Belyaeva, OV; Balanovsky, OP; Ashworth, LK; Lebedev, YB; Spitsyn, VA; Guseva, NA; Erdes, S; Mikulich, AI; Khusnutdinova, EK; Limborska, SA.

Fine mapping of a polymorphic CA repeat marker on human chromosome 19 and its use in population studies

GENE 230(2), 259-266 (1999)