Complete List of Publications Manfred Kayser (03/2019)

Overview:

236 peer-reviewed articles in international scientific journals (58% as leading author) cited ~14.000 times (Web of Science 02/2019)

***h*-index 67:** 67 published articles cited at least 67 times (Web of Science 02/2019)

Third most cited scientist worldwide, and most cited European, in field of Legal Medicine and Forensic Science (*ScienceWatch* 2001-2011)

Papers in high-impact journals: *Nature* IF>41, *Nature Reviews Genetics* >41, *Nature Genetics* IF>27, *Nature Communications* IF>12, *Genome Biology* IF>13, *Genome Research* IF>10, *Molecular Biology and Evolution IF>10*, *Current Biology* IF>9, *Proceedings of the National Academy of Sciences of The United States Of America* IF>9

Personal feature article in *Science* 331:838-841, 2011

Two registered patents

236 peer-reviewed articles in international scientific journals (107 last, 31 first author):
- 223 original articles (101 last, 25 first author)
- 13 review articles (6 last, 6 first author)

34 non-reviewed articles in scientific journals, books and encyclopaedias (11 last, 17 first author)
- 12 editorial articles in peer-reviewed international scientific journals (11 first author)
- 22 chapters in books and encyclopaedias (11 last, 6 first author)

309 invited talks at scientific conferences, institutions, courses and teaching programs
- 126 invited talks at scientific conferences including keynote and plenary lectures
- 52 invited lectures at scientific institutions
- 131 invited lectures at scientific courses & teaching programs

>130 regular (non-invited) presentations at scientific conferences
- 20 personally-given talks
- >64 co-authored papers presented as talks by co-authors
- 46 posters

Various contributions to public science events

Numerous features in public media every year

Refereed articles: 236

IF: Journal's Impact Factor 2017/18 (ISI-JCR): 0<2<5<7<10<15<20<25<45
Ci: Article citations (Web of Science 02/2019): 0<10<25<50<75<100<150<200<500

Original articles in peer-reviewed international scientific journals: 223

1) Brace S, Dieckmann Y, Booth TJ, Faltyskova Z, Rohland N, Mallick S, Olalde I, Ferry M, Michael M, Oppenheimer J, Broomandkhoshbacht N, Stewardson K, Martiniano R, Walsh S, **Kayser M**, Armit I, Schulting R, Creaig OE, Sheridan A, Parker Pearson M, Stringer C, Reich D, Thomas MG, Barnes I (2019) Population replacement in early Neolithic Britain. ***Nature Ecolology and Evolution***, in press
2) Peng F, Zhu G, Hysi PG, Eller RJ, Chen Y, Li Y, Hamer MA, Zeng C, Hopkins RL, Jacobus CL, Wallace PL, Uitterlinden AG, Ikram MA, Nijsten T, Duffy DL, Medland SE, Spector TD, Walsh S, Martin NG, Liu F, **Kayser M** (2019) Genome-wide association studies identify multiple genetic loci influencing eyebrow color variation in Europeans. ***Journal of Investigative Dermatology***, Epub Jan 2019, https://doi.org/10.1016/j.jid.2018.12.029, **IF: 6.448**, Ci: 0
3) Vidaki A, **Kayser M**, Nothnagel M (2019) Unsupported claim of significant discrimination between monozygotic twins from multiple pairs based on three age-related DNA methylation markers. ***Forensic Science International: Genetics***, Epub Jan 2019, https://doi.org/10.1016/j.fsigen.2019.01.003, **IF: 5.637**, Ci: 0

4) Duffy DL, Zhu G, Li X, Sanna M, Iles MM, Jacobs LC, Evans DM, Yazar S, Beesley J, Law MH, Kraft P, Visconti A, Taylor JC, Lui F, Wright M, Henders AK, Bowdler L, Glass D, Ikram AM, Uitterlinden AG, Madden PA, Heath AC, Nelson EC, Green AC, Chanock S, Barrett JH, Brown MA, Hayward NK, MacGregor S, Sturm RA, Hewitt AW, Melanoma GWAS Consortium, **Kayser M**, Hunter DJ, Newton Bishop JA, Spector TD, Montgomery GW, Mackey DA, Smith GD, Nijsten TE, Bishop DT, Bataille V, Falchi M, Han J, Martin NG (2018) Novel pleiotropic risk loci for melanoma and nevus density implicate multiple biological pathways. ***Nature Communications***, 9(1):4774. **IF 12.353**, **Ci: 1**

5) Gül A, de Jong MA, de Gijt JP, Wolvius EB, **Kayser M**, Böhringer S, Koudstaal MJ (2018) Three-dimensional soft tissue effects of mandibular midline distraction and surgically assisted rapid maxillary expansion: an automatic stereophotogrammetry landmarking analysis. ***International Journal of Oral and Maxillofacial Surgery***, pii: S0901-5027(18)30425-9. **IF: 1.779**, **Ci: 0**

6) Wu S, Zhang M, Yang X, Peng F, Zhang J, Tan J, Yang Y, Wang L, Hu Y, Peng Q, Li J, Liu Y, Guan Y, Chen C, Hamer MA, Nijsten T, Zeng C, Adhikari K, Gallo C, Poletti G, Schuler-Faccini L, Bortolini M-C, Canizales-Quinteros S, Rothhammer F, Bedoya G, Gonzalez-Jose R, Li H, Krutmann J, Liu F, **Kayser M**, Ruiz-Linares A, Tang K, Xu S, Zhang L, Jin L, Wang S (2018) Genome-wide association studies and CRISPR/Cas9-mediated gene editing identify regulatory variants influencing eyebrow thickness in humans. ***PLoS Genetics***, 14(9):e1007640. **IF: 5.54**, **Ci: 0**

7) Vidaki A, Kalamara V, Carnero-Montoro E, Spector TD, Bell JT, **Kayser M** (2018) Investigating the epigenetic discrimination of identical twins using buccal swabs, saliva, and cigarette butts in the forensic setting. ***Genes***, 9:252. **IF: 3.191**, **Ci: 1**

8) Pośpiech E, Chen Y, Kukla-Bartoszek M, Breslin K, Aliferi A, Andersen JD, Ballard D, Chaitanya L, Freire-Aradas A, van der Gaag KJ, Gross TE, Gysi M, Huber G, Mosquera-Miguel A, Girón-Santamaría L, Skowron M, Carracedo A, Haas C, Morling N, Parson W, Phillips C, Schneider PM, Sijen T, Syndercombe-Court D, Vennemann M, Wu S, Xu S, Jin L, Wang S, Zhu G, Martin NG, Medland SE, EUROFORGEN_NoE Consortium, Branicki W, Walsh S, Liu F and **Kayser M** (2018) Towards broadening Forensic DNA Phenotyping beyond pigmentation: Improving the prediction of head hair shape from DNA. ***Forensic Science International: Genetics***, 37:241-251. **IF: 5.637**, **Ci: 0**

9) Hamer MA, Pardo LM, Jacobs LC, Deelen J, Uitterlinden AG, Slagboom E, van Heemst D, Uh HW, Beekman M, **Kayser M**, Liu F, Gunn DA, Nijsten T (2018) Facial wrinkles in Europeans: a genome-wide association study. ***Journal of Investigative Dermatology***, 138(8):1877-1880. **IF: 6.448**, **Ci: 0**

10) Polimanti R, **Kayser M**, Gelernter J (2018) Local adaptation in European populations affected the genetics of psychiatric disorders and behavioral traits. ***Genome Medicine***, 10:24. **IF 8.898**, **Ci: 0**

11) Adnan A, Rakha A, Lao O, **Kayser M** (2018) Mutation analysis at 17 Y-STR loci (Yfiler) in father-son pairs of male pedigrees from Pakistan. ***Forensic Science International: Genetics***, 36:e17-e18. **IF: 5.637**, **Ci: 1**

12) **Kayser M** and Ralf A (2018) Small number of slowly-mutating (SM) Y-STRs not suitable for forensic and evolutionary applications. ***Forensic Science International: Genetics***, 36:e13. **IF: 5.637**, **Ci: 0**

13) Zubakov D, Chamier-Cieminska J, Kokmeijer I, Maciejewaska A, Martinez P, Pawlowski P, Haas C, **Kayser M** (2018) Introducing novel type of human DNA markers for forensic tissue identification: DNA copy number variation allows the detection of blood and semen. ***Forensic Science International: Genetics***, 36:112-118. **IF: 5.637**, **Ci: 1**

14) Ralf A, Montiel Gonzales D, Zhong K, **Kayser M** (2018) Yleaf: software for human Y-chromosomal haplogroup inference from next generation sequencing data. ***Molecular Biology and Evolution***, 35(5):1291-1294. **IF 10.217**, **Ci: 1**

15) Kukla-Bartoszek M, Pospiech E, Spolnicka M, Karlowska-Pik J, Strapagiel D, Zadzinska E, Rosset I, Sobalska-Kwapis M, Slomka M, Walsh S, **Kayser M**, Sitek A, Branicki W (2018) Investigating the impact of age-depended hair colour darkening during childhood on DNA-based hair colour prediction with the HIrisPlex system. ***Forensic Science International: Genetics***, 36:26-33. **IF: 5.637**, **Ci: 0**

16) Hysi PG, Valdes A, Liu F, Furlotte NA, Evans DM, Bataille V, Visconti A, Hemani G, McMahon G, Ring SM, Smith GD, Duffy DL, Zhu G, Gordon SD, Medland SE, Lin BD, Willemsen G, Hottenga JJ, Vuckovic D, Girotto G, Gandin I, Sala C, Pina Concas M, Brumat M, Gasparini P, Toniolo D, Cocca M, Robino A, Yazar S, Hewitt AW, Chen Y, Zeng C, Uitterlinden AG, Ikram MA, Hamer MA,

van Duijn CM, Nijsten T, Mackey DA, Falchi M, Boomsma DI, Martin NG, The International Visible Trait Genetics Consortium, Hinds DA, **Kayser M***, Spector TS* (2018) Genome-wide association meta-analysis of individuals of European ancestry identifies new loci explaining a substantial fraction of hair color variation and heritability. *shared, ***Nature Genetics***, 50(5):652-656. **IF 27.123**, **Ci: 4**

17) Chaitanya L, Breslin K, Zuñiga S, Wirken L, Pośpiech E, Kukla-Bartoszek M, Sijen T, de Knijff P, Liu F, Branicki W, **Kayser M*** and Walsh* (2018) The HIrisPlex-S system for eye, hair and skin colour prediction from DNA: Introduction and forensic developmental validation. *shared ***Forensic Science International: Genetics***, 35:123-135. **IF: 5.637**, **Ci: 7**
18) Visconti A, Duffy D, Liu F, Zhu G, Wu W, Chen Y, Hysi PG, Zeng C, Sanna M, Iles MM, Kanetsky PA, Demenais F, the Melanoma Meta-analysis Consortium, Hamer MA, Uitterlinden AG, Ikram MA, Nijsten T, Martin NG, **Kayser M**, Spector TD, Han J, Bataille V, Falchi M (2018) Genome-wide association study in 176,678 Europeans reveals new genetic loci for tanning response to sun exposure. ***Nature Communications***, 9(1):1684. **IF 12.353**, **Ci: 4**
19) Ingold S, Dørum G, Hanson E, Berti A, Branicki W, Brito P, Elsmore P, Gettings KB, Giangasparo F, Gross TE, Hansen S, Hanssen EN, Kampmann ML, **Kayser M**, Laurent FX, Morling N, Mosquera-Miguel A, Parson W, Phillips C, Porto MJ, Pośpiech E, Roeder AD, Schneider PM, Schulze Johann K, Steffen CR, Syndercombe-Court D, Trautmann M, van den Berge M, van der Gaag KJ, Vannier J, Verdoliva V, Vidaki A, Xavier C, Ballantyne J, Haas C. (2018) Body fluid identification using a targeted mRNA massively parallel sequencing approach - results of a EUROFORGEN/EDNAP collaborative exercise. ***Forensic Science International: Genetics***, 34:105-115. **IF: 5.637**, **Ci: 2**
20) de Jong MA, Hysi P, Spector T, Niessen W, Koudstaal MJ, Wolvius EB, **Kayser M**, Böhringer S (2018) Ensemble landmarking of 3D facial surface scans. ***Scientific Reports***, 8(1):12. **IF: 4.122**, **Ci: 2**
21) Liu F, Chen Y, Zhu G, Hysi PG, Wu S, Adhikari K, Breslin K, Pośpiech E, Hamer MA, Peng F, Muralidharan C, Acuna-Alonzo V, Canizales-Quinteros S, Bedoya G, Gallo C, Poletti G, Rothhammer F, Bortolini MC, Gonzalez-Jose R, Zeng C, Xu S, Jin L, Uitterlinden UG, Ikram MA, van Duijn CM, Nijsten T, Walsh S, Branicki W, Wang S, Ruiz-Linares A, Spector TD, Martin NG, Medland SE* and **Kayser M*** (2018) Meta-analysis of genome-wide association studies identifies 8 novel loci involved in shape variation of human head hair. ***Human Molecular Genetics***, 27(3):559-575. **IF: 4.902**, **Ci: 2**
22) Caliebe A. Krawczak M, **Kayser M** (2018) Predictive values in Forensic DNA Phenotyping are not necessarily prevalence-dependent. ***Forensic Science International: Genetics***,33:e7-e8. **IF: 5.637**, **Ci: 3**
23) Lech K, Liu F, Davies SK, Ackermann K, Ang JE, Middleton B, Revell VL, Raynaud FJ, Hoveijn I, Hut RA, Skene DJ, **Kayser M** (2018) Investigation of metabolites for estimating blood deposition time. ***International Journal of Legal Medicine***, 132(1):25-32 (Erratum 132(1):33). **IF: 2.316**, **Ci: 2**
24) Adnan A, Rakha A, Noor A, van Oven M, Ralf A, **Kayser M** (2018) Population data of 17 Y-STRs (Yfiler) from Punjabis and Kashmiris of Pakistan. ***International Journal of Legal Medicine***, 132(1):137-138. **IF: 2.316**, **Ci: 2**
25) Zhong K, Zhu G, Jing X, Hendriks AE, Drop SLS, Ikram MA, Gordon S, Zeng C, Uitterlinden AG, Martin NG, Liu F, **Kayser M** (2017) Genome-wide compound heterozygote analysis highlights alleles associated with adult height in Europeans. ***Human Genetics***, 136(11-12):1407-1417. **IF: 3.93**, **Ci: 4**
26) Noordam R, Hamer MA, Pardo LM, van der Nat T, Kiefte-de Jong JC, **Kayser M**, Slagboom PE, Uitterlinden AG, Zillikens MC, Beekman M, Nijsten T, van Heemst D, Gunn DA (2017) No causal association between 25-hydroxyvitamin D and features of skin aging: evidence from a bidirectional Mendelian Randomization Study. ***Journal of Investigative Dermatology***, 137(11):2291-2297. **IF: 6.448**, **Ci: 1**
27) Fehren-Schmitz L, Jarman CL, Harkins KM, **Kayser M**, Popp BN, Skoglund P (2017) Genetic ancestry of Rapa Nui before and after European contact. ***Current Biology***, 27:3209–3215. **IF: 9.251**, **Ci: 4**
28) Neumann A, Noppe G, Liu F, **Kayser M**, Verhulst FC, Jaddoe VWV, van Rossum EFC, Tiemeier H (2017) Predicting hair cortisol levels with hair pigmentation genes: a possible hair pigmentation bias. ***Scientific Reports***, 7: 8529. **IF: 4.122**, **Ci: 5**
29) Vidaki A, Díez López D, Carnero-Montoro E, Ralf A, Spector T, Bell JT, **Kayser M** (2017) Epigenetic discrimination of identical twins from blood under the forensic scenario. ***Forensic***

Science International: Genetics, 31:67–80. **IF 5.637**, **Ci: 9**

30) Caliebe A, Walsh S, Liu F, **Kayser M**, Krawczak M (2017) Likelihood ratio and posterior odds in forensic genetics: two sides of the same coin. ***Forensic Science International: Genetics***, 28:203–210. **IF 5.637**, **Ci: 4**
31) Nagle N, van Oven M, Wilcox S, van Holst Pellekaan S, Tyler-Smith C, Xue Y, Ballantyne KN, Wilcox L, Papac L, Cooke K, van Oorschot R, McAllister P, Williams L, **Kayser M**, Mitchell J (2017) Aboriginal Australian mitochondrial genome variation – an increased understanding of population antiquity and diversity. ***Scientific Reports***, 7:43041. **IF: 4.122**, **Ci: 6**
32) Hamer MA, Pardo LM, Jacobs LC, Ikram MA, Laven JS, **Kayser M**, Hollestein LM, Gunn DA, Nijsten T (2017) Lifestyle and Physiological Factors Associated with Facial Wrinkling in Men and Women. ***Journal of Investigative Dermatology***, 137(8):1692-1699. **IF: 6.448**, **Ci: 3**
33) Walsh S, Chaitanya L, Breslin K, Muralidharan C, Bronikowska A, Pospiech E, Koller J, Kovatsi L, Wollstein A, Branicki W, Liu F, **Kayser M** (2017) Global skin colour prediction from DNA. ***Human Genetics***, 136(7):847-863 (Publisher's Erratum 136(7):865-866). **IF: 3.93**, **Ci: 8**
34) Wollstein A, Walsh S, Liu F, Chakravarthy U, Rahu M, Seland J, Soubrane G, Tomazzoli L, Topouzis F, Vingerling J, Vioque J, Böhringer S, Fletcher A, and **Kayser M** (2017) Novel quantitative pigmentation phenotyping enhances genetic association, epistasis, and prediction of human eye colour. ***Scientific Reports***, 7:43359. **IF: 4.122**, **Ci: 4**
35) Nagle N, Ballantyne KN, van Oven M, Tyler-Smith C, Xue Y, Wilcox S, Wilcox L, Turkalov R, van Oorschot RA, van Holst Pellekaan S, Schurr TG, McAllister P, Williams L, **Kayser M**, Mitchell RJ, Genographic Consortium (2017) Mitochondrial DNA diversity of present-day Aboriginal Australians and implications for human evolution in Oceania. ***Journal of Human Genetics***, 62(3):343-353. **IF: 2.942**, **Ci: 4**
36) Gomes SM, van Oven M, Souto L, Morreira H, Brauer S, Bodner M, Zimmermann B, Huber G, Strobl C, Röck AW, Côrte-Real F, Parson W, and **Kayser M** (2017) Lack of gene-language correlation due to reciprocal female but directional male admixture in Austronesians and non-Austronesians in East Timor. ***European Journal of Human Genetics***, 25(2):246-252. **IF: 3.636**, **Ci: 5**
37) Weiler NEC, Baca K, Ballard D, Balsa F, Bogus M, Børsting C, Brisighelli F, Červenáková J, Chaitanya L, Coble M, Decroyer V, Desmyter S, van der Gaag KJ, Gettings K, Haas C, Heinrich J, João Porto M, Kal AJ, **Kayser M**, Kúdelová A, Morling N, Mosquera-Miguel A, Noel F, Parson W, Pereira V, Phillips C, Schneider PM, Syndercombe Court D, Turanska M, Vidaki A, Woliński P, Zatkalíková L, Sijen T (2017) A collaborative EDNAP exercise on SNaPshot™-based mtDNA control region typing. ***Forensic Science International: Genetics***, 26:77-84. **IF 5.637**, **Ci: 1**
38) Chaitanya L, Zupanič Pajnič I, Walsh S, Balažic J, Zupanc T, and **Kayser M** (2017) Bringing colour back after70 years: Predicting eye and hair colour from skeletal remains of World War II victims using the HIrisPlex system. ***Forensic Science International: Genetics***, 26:48-57. **IF 5.637**, **Ci: 10**
39) Zhong K, Verkouteren JAC, Jacobs LC, Uitterlinden AG, Hofman A, Liu F, Nijsten T+, **Kayser M**+ (2017) Pigmentation-independent susceptibility loci for actinic keratosis highlighted by compound heterozygosity analysis. ***Journal of Investigative Dermatology***, 137 (1):77-84, **IF: 6.448**, **Ci: 3**
40) Haeusler M, Haas C, Lösch S, Moghaddam N, Villa IM, Walsh S, **Kayser M**, Seiler R, Ruehli F, Janosa M, Papageorgopoulou C (2016) Multidisciplinary identification of the controversial freedom fighter Jörg Jenatsch, assassinated 1639 in Chur, Switzerland. ***PLoS One*** 11(12): e0168014. **IF: 2.766**, **Ci: 3**
41) Adnan A, Ralf A, Rakha A, Kousouri N, **Kayser M** (2016) Improving empirical evidence on differentiating closely related men with RM Y-STRs: A comprehensive pedigree study from Pakistan. ***Forensic Science International: Genetics***, 25:45-51. **IF 5.637**, **Ci: 9**
42) Niederstätter H, Berger B, **Kayser M**, Parson W (2016) Differences in urbanization degree and consequences on the diversity of conventional vs. rapidly mutating Y-STRs in five municipalities from a small region of the Tyrolean Alps in Austria. ***Forensic Science International: Genetics***, 24:180-193. **IF 5.637**, **Ci: 1**
43) Zubakov D, Liu F, Kokmeijer I, Choi Y, van Meurs JBJ, van Ijcken WFJ, Uitterlinden AG, Hofman A, Broer L, van Duijn CM, Lewin J, **Kayser M** (2016) Human age estimation from blood using mRNA, DNA methylation, DNA rearrangement, and telomere length. ***Forensic Science International: Genetics***, 24:33-43. **IF 5.637**, **Ci: 21**
44) Liu F, Hamer MA, Deelen J, Lall JS, Jacobs L, van Heemst D, Murray PG, Wollstein A, de Craen AJ, Uh HW, Zeng C, Hofman A, Uitterlinden AG, Houwing-Duistermaat JJ, Pardo LM, Beekman

M, Slagboom PE, Nijsten T, **Kayser M***, Gunn DA* (2016) The MC1R gene and youthful looks. ***Current Biology***, 26(9):1213-1220. **IF: 9.251, Ci: 13**

45) Zhong K, Karssen LC, **Kayser M**, Liu F (2016) CollapsABEL: an R library for detecting compound heterozygote alleles in genome-wide association studies. ***BMC Bioinformatics***, 17:156. **IF 2.213, Ci: 6**

46) Li M, Rothwell R, Vermaat M, Wachsmuth M,Schröder R, Laros JFJ, van Oven M, de Bakker PIW, Bovenberg JA, van Duijn CM, van Ommen G-JB, Slagboom PE, Swertz MA, Wijmenga C, Genome of the Netherlands Consortium, **Kayser M**, Boomsma DI, Zöllner S, de Knijff P, Stoneking M (2016) Transmission of human mtDNA heteroplasmy in the Genome of the Netherlands families: support for a variable-size bottleneck. ***Genome Research***, 26(4):417-26. **IF: 10.101, Ci: 14**

47) Chaitanya L, van Oven M, Brauer S, Zimmermann B, Huber G, Xavier C, Parson W, de Knijff P, and **Kayser M** (2016) High-quality mtDNA control region sequences from 680 individuals sampled across the Netherlands to establish a national forensic mtDNA reference database. ***Forensic Science International: Genetics***, 21:158-167. **IF 5.637, Ci: 4**

48) Lech K, Liu F, Ackermann K, Revell VL, Lao O, Skene DJ, and **Kayser M** (2016) Evaluation of mRNA markers for estimating blood deposition time: Towards alibi testing from human forensic stains with rhythmic biomarkers. ***Forensic Science International: Genetics***, 21:119–125. **IF 5.637, Ci: 11**

49) de Jong MA, Wollstein A, Ruff C, Dunaway D, Hysi P, Spector T, Liu F, Niessen W, Koudstaal MJ, **Kayser M**, Wolvius EB, Bohringer S (2016) An automatic 3D facial landmarking algorithm using 2D Gabor Wavelets, ***IEEE Transactions on Image Processing***, 25(2):580-588. **IF: 5.071, Ci: 4**

50) Nagle N, Ballantyne KN, van Oven M, Tyler-Smith C, Xue Y, Taylor D, Wilcox S, Wilcox L, Turkalov R, van Oorschot RA, McAllister P, Williams L, **Kayser M**, Mitchell RJ; Genographic Consortium (2016) Antiquity and diversity of aboriginal Australian Y-chromosomes. ***American Journal of Physical Anthropology***, 159(3):367-81. **IF: 1.034, Ci: 6**

51) Liu F, Hamer MA, Heilmann S, Herold C, Moebus S, Hofman A, Uitterlinden AG, Nöthen MM, van Duijn CM, Nijsten TEC, **Kayser M**. (2016) Prediction of male pattern baldness from genotypes. ***European Journal of Human Genetics***, 24(6):895-902. **IF: 3.636, Ci: 12**

52) Lech K, Ackermann K, Revell VR, Lao O, Skene DJ*, **Kayser M*** (2016) Dissecting diurnal and circadian expression rhythms of clock-controlled genes in human blood. ***Journal of Biological Rhythms***, 31(1):68-81. **IF: 3.906, Ci: 7**

53) Chaitanya L, Ralf A, van Oven M, Kupiec T, Chang J, Lagace R, **Kayser M**. (2015) Simultaneous whole mitochondrial genome sequencing with short overlapping amplicons suitable for degraded DNA using the Ion Torrent Personal Genome Machine. ***Human Mutation***, 36(12):1236-47. **IF: 5.359, Ci: 16**

54) Medina-Gomez C, Chesi A, Heppe DHM, Zemel BS, Yin J-L, Kalkwarf HJ, Hofman A, Lappe JM, Kelly A, **Kayser M**, Oberfield SE, Gilsanz V, Uitterlinden AG, Shepherd JA, Jaddoe VWV, Grant SFA, Lao O, Rivadeneira F (2015) BMD loci contribute to ethnic and developmental differences in skeletal fragility across populations: assessment of selection pressures. ***Molecular Biology and Evolution***, 32(11):2961-72. **IF: 10.214, Ci: 9**

55) Hamer MA, Jacobs LC, Lall JS, Wollstein A, Hollestein LM, Rae A, Gossage K, Hofman A, Liu F, **Kayser M**, Nijsten T, Gunn DA (2015) Validation of image analysis techniques to measure skin aging features from facial photographs. ***Skin Research and Technology***, 21(4):392-402. **IF: 1.489, Ci: 8**

56) Russcher M*, Chaves I*, Lech K, Koch BCP, Nagtegaal JE, Dorsman KF, 't Jong A, **Kayser M**, van Faassen HJR, Kema IP, van der Horst GTJ, Gaillard CAJM (2015) An observational study on disturbed peripheral circadian rhythms in hemodialysis patients. ***Chronobiology International***, 32(6):848-57. **IF: 2.643, Ci: 8**

57) Tagliabue E, Fargnoli MC, Gandini S, Maisonneuve P, Liu F, **Kayser M**, Nijsten T, Han J, Kumar R, Gruis NA, Ferrucci L, Branicki W, Dwyer T, Blizzard L, Helsing P, Autier P, García-Borrón JC, Kanetsky PA, Landi MT, Little J, Newton-Bishop J, Sera F, Raimondi S; M-SKIP Study Group (2015) MC1R gene variants and non-melanoma skin cancer: pooled-analysis from the M-SKIP project. ***British Journal of Cancer***, 113(2):354-363. **5.922, Ci: 7**

58) Liu F, Visser M, Duffy DL, Hysi PG, Jacobs LC, Lao O, Zhong K, Walsh S, Chaitanya L, Wollstein A, Zhu G, Montgomery GW, Henders AK, Mangino M, Glass D, Bataille V, Sturm RA, Rivadeneira F, Hofman A, van IJcken WF, Uitterlinden AG, Palstra RJ, Spector TD, Martin NG, Nijsten TE,

Kayser M (2015) Genetics of skin color variation in Europeans: genome-wide association studies with functional follow-up. ***Human Genetics***, 134:823–835. **IF: 3.93, Ci: 35**

59) Jacobs LC, Hamer MA, Gunn DA, Deelen J, Lall JS, van Heemst D, Uh HW, Hofman A, Uitterlinden AG, Griffiths CE, Beekman M, Slagboom E, **Kayser M**, Liu F, Nijsten T (2015) A genome-wide association study identifies the skin color genes IRF4, MC1R, ASIP, and BNC2 influencing facial pigmented spots. ***Journal of Investigative Dermatology***, 135(7):1735-42, **IF: 6.448, Ci: 32**

60) Santos C, Fondevila M, Ballard D, Banemann R, Bento AM, Børsting C, Branicki W, Brisighelli F, Burrington M, Capal T, Chaitanya L, Daniel R, Decroyer V, England R, Gettings KB, Gross TE, Haas C, Harteveld J, Hoff-Olsen P, Hoffmann A, **Kayser M**, Kohler P, Linacre A, Mayr-Eduardoff M, McGovern C, Morling N, O'Donnell G, Parson W, Pascali VL, Porto MJ, Roseth A, Schneider PM, Sijen T, Stenzl V, Syndercombe Court D, Templeton JE, Turanska M, Vallone PM, van Oorschot RAH, Zatkalikova L, The EUROFORGENNoE Consortium, Carracedo A, Phillips C (2015) Forensic ancestry analysis with two simple capillary electrophoresis ancestry informative marker (AIM) panels: Results of a collaborative EDNAP exercise. ***Forensic Science International: Genetics***, 19:56–67. **IF 5.637, Ci: 5**

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Editorial articles in peer-reviewed international scientific journals: 12

1) **Kayser M** (2019) Introduction to special issue Trends and Perspectives in Forensic Genetics 2018. ***Forensic Science International: Genetics***, 38:254-255. **IF: 5.637**
2) **Kayser M** and Parson W (2017) Transitioning from forensic genetics to forensic genomics. ***Genes***, 9(1). pii: E3. doi: 10.3390/genes9010003. **IF: 2.498**
3) **Kayser M** and Ordog T (2015) Editorial: The common point for forensic and anthropologic genetics and individualized medicine. Ninth ISABS Conference on Forensic and Anthropologic Genetics and Mayo Clinic Lectures on Individualized Medicine, Bol, Croatia, June 22-26, 2015. ***Croatian Medical Journal***, 56:177-178. **IF: 1.422**
4) **Kayser M** (2014) Editors' Pick: What a pain – or not! ***Investigative Genetics,*** 5:8, (not yet ISI-JRF listed)
5) **Kayser M**, Sajantila A, Budowle B (2013) A tribute to DNA fingerprinting. ***Investigative Genetics***, 4:19, (not yet ISI-JRF listed)
6) **Kayser M** (2013) Editors' Pick: Mad and genius in the same gene? ***Investigative Genetics***, *4:14*, (not yet ISI-JRF listed)
7) **Kayser M** (2012) Editors' Pick: Christmas is coming – time for chocolate to get ready for your Nobel Prize. ***Investigative Genetics***, 3:26, (not yet ISI-JRF listed)
8) **Kayser M** (2012) Editors' Pick: A real Caucasian and the genetic investigation of Caucasus peoples. ***Investigative Genetics***, 3:15, (not yet ISI-JRF listed)
9) **Kayser M** (2012) Editors' Pick: Of horses and genes. ***Investigative Genetics***, 3:4, (not yet ISI-JRF listed)
10) Budowle B, **Kayser M**, Sajantila A (2011) The demise of the United Kingdom's Forensic Science Service (FSS): loss of world-leading engine of innovation and development in the forensic sciences. ***Investigative Genetics***, 2:4, (not yet ISI-JRF listed)
11) **Kayser M**, Budowle B, Sajantila A (2010) Welcome to Investigative Genetics. ***Investigative Genetics***, 1:1, (not yet ISI-JRF listed)
12) **Kayser M** (2009) Forensic pregnancy testing: a special case in molecular diagnostics. ***Expert Review of Molecular Diagnostics***, 9(2):105-107. **IF: 3.326**

Chapters in books and online encyclopedias: 22

1) Walsh S and **Kayser M** (2017) Predicting human appearance from DNA for forensic investigation. In: Amorim A & Budowle B (Eds) *Forensic Genetics: biodiversity and heredity in civil and criminal investigation*. World Scientific Publishing, London, pp 415-448
2) Walsh S and **Kayser M** (2016) A practical guide to the HIrisPlex System: Simulatneous prediction of eye and hair color from DNA. In: Goodwin W (Ed) Forensic DNA Typing Protocols, Second Edition, Methods in Molecular Biology 1420, Springer Protocols. Humana Press, Springer Science+Business Media, New York, pp 213-233
3) Branicki W and **Kayser M** (2015) Prediction of human pigmentation traits from DNA polymorphisms. In: *ENCYCLOPEDIA OF LIFE SCIENCES*. John Wiley & Sons, Ltd., Chichester, United Kingdom, DOI: 10.1002/9780470015902.a0023851
4) Lao O and **Kayser M** (2015) Human Population Movements: a Genetic Perspective. In: Muehlenbein M (Ed) *Basics in Human Evolution*, Elsevier Academic Press, pp. 219-233
5) Zubakov D and **Kayser M** (2014) Nucleic acids for forensic tissue identification. In: Primorac D and Schanfield M (Eds) *Forensic DNA Applications: An Interdisciplinary Perspective*, CRC Press, Boca Raton, Florida, U.S.A. pp. 385-415
6) **Kayser M** and Ballantyne KN (2014) The Y chromosome in forensic science. In: Primorac D and Schanfield M (Eds) *Forensic DNA Applications: An Interdisciplinary Perspective*. CRC Press, Boca Raton, Florida, U.S.A. pp. 105-133
7) Ballantyne KN and **Kayser M** (2013) Additional Y-STRs in forensics: Why, which and when. In: Shewale JG and Liu RH (Eds) *Forensic DNA Analysis: Current Practices and Emerging Technologies.* CRC Press, Boca Raton, Florida, U.S.A., pp. 221-245
8) **Kayser M** (2013) Forensic DNA Phenotyping: DNA Testing for Externally Visible Characteristics. In: Siegel JA and Saukko PJ (Eds.) *Encyclopedia of Forensic Sciences, Second Edition*, Waltham: Academic Press, pp. 369-374

9) **Kayser M** (2010) Die menschliche Besiedlungsgeschichte Ozeaniens: genetische Befunde. In: Garve R and Garve M *Unter Papuas und Melanesiern – Von kunstsinnigen Kannibalen, Kopfjägern, Baumhausmenschen, Sumpfnomaden, Turmspringern und anderen Südsee-Eingeborenen mit einem Beitrag von Manfred Kayser*, Verlag Neue Literatur, Jena, Germany, pp. 222-227
10) **Kayser M** (2010) The Austronesian expansion: human genetic evidence. In: Brüne M, Salter F and McGrew WC (Eds.) *Building Bridges between Anthropology, Medicine and Human Ethology Tributes to Wulf Schiefenhövel*. European University Press / The University Press Bochum, Bochum, Germany, pp. 179-188
11) Lao O and **Kayser M** (2009) Human relationships inferred from genetic variation. In: *ENCYCLOPEDIA OF LIFE SCIENCES*. John Wiley & Sons, Ltd., Chichester, United Kingdom, Doi: 10.1002/9780470015902.a0021758
12) Ballantyne KN and **Kayser M** (2009) Forensic molecular diagnostics. In: van Leeuwen WB and Vink C (Eds) *Molecular Diagnostics: Techniques & Applications*, IVA GROEP BV, Rotterdam, The Netherlands, pp. 211-235
13) Lao O and **Kayser M** (2009) Op het eerste gezicht: Hoe het klimaat onze huidskleur dicteerde (At the first glance: how climate has influenced our skin color) In: Geraedts JPM, de Knijff P, Everdingen JJE, van den Broek J, Smits R (Eds) *Evolutie zit in je genen: over Darwin en genomics (Evolution is in your genes: on Darwin and genomics*), Stichting Bio-Wetenschappen en Maatschappej / Netherland Research Council (NWO), Den Haag, The Netherlands, pp. 47-54
14) Stoneking M and **Kayser M** (2007) Genealogical markers: mtDNA and the Y-chromosome. In: Gabriel S., Stephens JC and Weiner M (Eds) *Genetic Variation: A Laboratory Manual*, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, U.S.A., pp. 421-436
15) **Kayser M** (2007) Y-chromosomal markers in forensic genetics. In: Rapley R and Whitehouse D (Eds) *Molecular Forensics*, John Wiley & Sons, West Sussex, United Kingdom, pp. 141-161
16) Roewer L, **Kayser M**, Anslinger K, Augustin C, Caglia A, Corach D, Füredi S, Geserick G, Henke L, Hidding M, Kärgel HJ, de Knijff P, Lessing R, Pascali V, Parson W, Prinz M, Rolf B, Schneider P, Szibor R, Teifel-Geding J, and Krawczak M (2000) Caucasian Y-STR haplotype reference database for forensic application. In: Sensabaugh GF, Lincoln PJ and Olaisen B (Eds) *Progress in Forensic Genetics* Vol. 8, Elsevier Science B.V. Amsterdam, The Netherlands, pp. 613-615
17) Roewer L, de Knijff P, and **Kayser M** (1999) Y chromosome STR analysis in forensic practice. *Proceedings of the Second European Symposium on Human Identification*. Promega Cooperation (Ed), Madison, USA, pp. 13-16
18) Zerjal T, Pandya A, Santos FR, Adhikari R, Tarazona E, **Kayser M**, Evgarof O, Singh L, Thanaraj K, Destro-Bisol G, Thomas MG, Qamar R, Mehdi Q, Rosser ZH, Hurles ME, Jobling MA, and Tyler-Smith C (1999) The use of Y-chromosomal DNA variation to investigate population history: recent male spread in Asia and Europe. In: Papiha SS, Deka R and Chakraborty, R (Eds) *Genomic diversity: applications in human population genetics*, Kluwer Academic / Plenum Publishers, New York, U.S.A., pp. 91-102
19) Corach D, Penacino G, Sala A, Iannucci N, Martinez M, Villafane A, **Kayser M**, and Roewer L (1998) Y-specific STR in forensic casework: validation studies. In: Olaisen B, Brinkmann B, Lincoln PJ (Eds) *Progress in Forensic Genetics* Vol.7, Elsevier Science B.V., Amsterdam, The Netherlands, pp. 418-420
20) **Kayser M**, Krüger C, Nagy M, Geserick G, de Knijff P, and Roewer L (1998) Y-chromosomal DNA-analysis in paternity testing: experiences and recommendations. In: Olaisen B, Brinkmann B, Lincoln PJ (Eds) *Progress in Forensic Genetics* Vol.7, Elsevier Science B.V., Amsterdam, Netherlands, pp. 494-496
21) Nagy M, Zimdahl H, Krüger C, Anders P, **Kayser M**, Roewer L, and Schiefenhövel W (1997) Are the Trobriands emigrants of South-East Asia? In: Charron D (Ed) *HLA - Genetic diversity of HLA functional and medical implication*. Vol. 2, EDK Medical and Scientific International Publisher, Paris, France, pp. 185-188
22) Roewer L, **Kayser M**, Nagy M, and de Knijff P (1996) Male identification using Y-chromosomal STR polymorphisms. In: Carracedo A, Brinkmann B, Bär W (Eds), *Advances in Forensic Haemogenetics* Vol. 6, Dr. Köster, Berlin, Germany, pp. 124-126

Patents: 2

1) EP 2195448 A1 "Method to predict iris color"
2) US 20110263437-A1 "Analysis of Y-Chromosome STR markers"

Invited talks: 309

Invited talks at scientific conferences and symposia: 126

1) Aussehensbestimmung aus DNA: Stand der Wissenschaft und Technik. Fachtagung Technische Moeglichkeiten und normative Frenzen der DANN-Phaenotypisierung in der Strafverfolgung. 11.02.2019, Akademie der Wissenschaften und Kuenste Nordthein-Westfalen, Duesseldorf, Germany
2) DNA dragnets / DNA mass screening: genetic background. 12th Publieksmiddag Wijzer over DNA: Op zoek naar de 'dader'met behulp van bevolkeringsscreening. 04.11.2018, Leiden, Netherlands
3) Genetics and DNA Prediction of Human Pigmentation Traits. Wenner-Gren Symposium The AAge of Humans in Europe, 29.08.-01.09.2018, Stockholm, Sweden
4) Appearance prediction from DNA for investigative intelligence. 8th European Academy of Forensic Science Conference The Forensic Odyssey, 27-31.08.2018, Lyon, France, keynote plenary
5) Progress in Appearance DNA Prediction and Issyues with Face Genetics and DNA Prediction. Symposium "The Future of Face"" 06.07.2018, Amsterdam, Netherlands
6) Progress in DNA-based Appearance Prediction: Novel Markers, Models, Methods. Gordon Research Conference on Forensic Analysis of Human DNA. Enhancing Human Identification Through Development of Novel Methods and Emerging Applications. 17-22.06.2018, Sunday River Newry, USA
7) Forensic DNA Phenotyping: Eight years further progress. Special Symposium in Honour of Professor Ate Kloosterman, 17.05.2018, Amsterdam, Netherlands
8) Genomics of human appearance and how forensic investigation can benefit. CHARGE Consortium Meeting Symposium, 18-19.04.2018, Rotterdam, Netherlands
9) Forensic tissue identification using human and non-human D/RNA. 7th QIAGEN Investigator Forum 2018, 7-8.03.2018, Lisbon, Portugal
10) Automated landmarking of facial images and applications. Newcastle Face Image Analytics Workshop, Newcastle University, 10.01.2018, Newcastle. United Kingdom
11) Aussehensbestimmung aus Spuren-DNA: Heute und (Ueber)Morgen, XVII Forensische Gespraeche "Spuren – Moeglichkeiten, Grenzen, Perspektiven, 01-02.12.2017, Luebeck, Germany
12) DNA Phenotyping – The Dutch Experience. 24 Luzerner Symposium Medizin und Recht "DNA Phenotying: Von der DNA zum Phantombild oder was das Erbgut alles ueber uns verraet", 02.11.2017, Luzern, Switzerland
13) Genetics of human appearance and applications in forensics. Annual Scientific Symposium of the Department of Biotechnology, Technical University Delft, 26.09.2017, Schipluiden, Netherlands
14) Advances in human appearance genetics and relevance for Forensic DNA Phenotyping. 27th Congress of the International Society of Forensic Genetics, 28.08.-02.09.2017, Seoul, Korea
15) Advances in Human Appearance Genetics and Impact on Forensic DNA Phenotyping. 10th Conference of the International Society of Applied Biological Sciences in Forensic, Anthropological and Medical Genetics, 19.-23.06.2017, Dubrovnik, Croatia
16) Appearance information from DNA for investigative purposes. Sommertagung 2017 der Schweizer Gesellschaft fuer Rechtsmedizin, 9.-10.06.2017, Aarau, Switzerland
17) The HIrisPlex-S System for predicting eye, hair, and skin colour from DNA. Human Identification Solutions Conference HIDS2017, 16-17.05.2017, Vienna, Austria
18) DNA-basierte Bestimmung äußerlich-sichtbarer Körpermerkmale und chronologischen Alters aus Tatortspuren sowie forensische Anwendung in den Niederlanden. Symposium zu den Möglichkeiten und Grenzen der DNA-Analyse. 21.03.2017, Bundesjustizministerium, Berlin, Germany
19) Appearance, ancestry, age from DNA for investigative intelligence. Workshop "Governance" van nieuwe DNA-technologie in de opsporing, 03.11.2016, Amsterdam, Netherlands
20) DNA prediction of eye, hair, and skin color for investigative purposes. American Society of Human Genetics Meeting 2016, 18-22.10.2016, Vancover, Canada
21) Predicting appearance from DNA. Wokshop DNA Phenotyping, 27th International Symposium on Human Identification, 26-29.09.2016, Minneapolis, USA
22) Molecular estimation of time in forensics. 27th International Symposium on Human Identification, 26-29.09.2016, Minneapolis, USA

23) Aussehen und geographische Abstammung aus DNA zur investigativen Nutzung: Wissenschaft und Gesetzgebung. 95. Jahrestagung Deutsche Gesellschaft fuer Rechtsmedizin, 38.08.-03.09.2016, Heidelberg, Germany
24) New trends in phenotype prediction: appearance, age, ancestry. International Academy of Legal Medicine Intersocietal Symposium, 21-24.06.2016, Venice, Italy
25) Mutability of Y-STRs and consequences for their forensic usage. Haploid Markers 2016: *Update on DNA Variation*, 10th International Y Chromosome User Workshop, 20.-21.05.2016, Berlin, Germany
26) DNA Investigative Intelligence and its need of massively parallel sequencing. Human Identification Solutions Conference HIDS2016, 10-11.05.2016, Barcelona, Spain
27) Experiences with the Ion Torrent Technology in Forensic Applications. Ion Torrent World Tour, 25.09.2015, Warsaw, Poland
28) DNA-basierte Phaenotypisierung von Knochen fuer Forensische Nutzung (DNA-based phenotyoping of bones for forensic usage). 94. Jahrestagung der Deutschen Gesellschaft für Rechtsmedizin, 15.–19.09.2015, Leipzig, Germany
29) Forensic DNA prediction of human appearance. 9th Conference of the International Society of Applied Biological Sciences in Forensic, Anthropological and Medical Genetics. 22.-26.06.2015, Bol, Croatia
30) Phantombild aus DNA: Moeglichkeiten und Grenzen (Composite scetch from DNA: possibilities and restrictions). 8. Fachtagung Phantombild Landeskriminalaemter Deutschlands, 11-13.05.2015, Wertheim, Germany
31) Genetics of the human face. International Craniofacial Symposium, 01.05.2015, Rotterdam, Netherlands
32) Forensic DNA Phenotyping: predicting appearance for investigative purposes. 4th Investigator Forum, 14-16.04.2015, Mettmann, Germany
33) Towards multi-purpose forensic D/RNA analysis via targeted NGS. Human Identification Solutions Conference HIDS2015, 3.-4.03.2015, Madrid, Spain
34) Forensic DNA Phenotyping: Appearance prediction from DNA for investigative purposes. 25th Meeting of the Italian Society of Forensic Genetics, 23.10.2014, Iseo, Italy
35) Molecular Intelligence: Uses of molecular biomarkers for investigative purposes. World Forensic Festival "New Horizon in Forensic Sciences", 12-18.10.2014, Keynote Lecture at 6th Asian Network of Forensic Sciences Annual Meeting and Symposium, Seoul, Korea
36) Ion Torrent PGM in Forensic Genetics, Ion Torrent World Tour, 15.09.2014, Berlin, Germany
37) Ion Torrent PGM in Forensic Genetics, Ion Torrent World Tour, 10.09.2014, Amsterdam, The Netherlands
38) Trends and Perspectives in Forensic Molecular Biology. 1st Forensic Middle East Congress - The Annual Congress of The International Association of Law and Forensic Science (IALFS) and The 1st International Association of Forensic Toxicologists, 1.03.04.2014, Dubai, United Arab Emirates
39) Additional Y-STRs in Forensics: Why, Which, and When. Simposio Internacional Aplicación de los Polimorfismos Genéticos en Identificación Humana, Rastreo de la Ascendencia y su Impacto en la Medicina Traslacional, 27-29.11.2013, Buenos Aires, Argentina
40) Appearance Prediction from DNA for Investigative Intelligence. Simposio Internacional Aplicación de los Polimorfismos Genéticos en Identificación Humana, Rastreo de la Ascendencia y su Impacto en la Medicina Traslacional, 27-29.11.2013, Buenos Aires, Argentina
41) Forensic DNA Phenotyping: Appearance and ancestry DNA information for investigative intelligence. International Launch Symposium European Network for the Social Studies of Forensics, 22.11.2013, Amsterdam, The Netherlands
42) Enhancing Police Operations: Advances in DNA Investigation. 7th International DNA Users' Conference For Investigating Officers. INTERPOL, 6.-8.11.2013, Lyon, France
43) Appeareance and ancestry from DNA in missing person identification. The Missing: an Agenda for the Future. International Symposium organized by the International Commission on Missing Persons (ISMP). 29.10-1.11.2013, Den Haag, Netherlands
44) Human appearance from DNA. Symposium Progres Recents Dans Les Analyses Genetiques D'Identification. University Bordeaux Segalen / Laboratoire D'Hematologie Medico-Legale Bordeaux, 25.10.2013, Bordeaux, France
45) Forensic DNA Phenotyping. Workshop Next generation sequencing. 24th International Symposium on Human Identification. 7-10.10.2013. Atlanta, USA

46) Advances and perspectives in forensic molecular biology. 24th International Symposium on Human Identification. 7-10.10.2013. Atlanta, USA
47) Human Appearance Genetics and Prediction. Workshop Forensic DNA Phenotyping, 25rd World Congress International Society for Forensic Genetics, 2.-7.9.2013, Melbourne, Australia
48) Forensic DNA Phenotyping. 8th Conference of the International Society of Applied Biological Sciences in Forensic, Anthropological and Medical Genetics. 24.-2806.2013, Split, Croatia
49) Tracing back geographic origin and (external) phenotypes using genetic data. European Human Genetics Conference 2013, 10.06.2013, Paris, France
50) EDNAP exercise on IrisPlex: DNA-based prediction of human eye color. Annual Meeting 2013 of the European DNA Profiling (EDNAP) Group, 23.04.2013, Bratislava, Slovakia
51) Genes, Geography and History of Europe: Genetic population substructure of Europeans. Plenary, 16th Annual Meeting of The Portuguese Society of Human Genetics (Sociedade Portuguesa de Genética Humana, SPGH), 23.11.2012, Porto, Portugal
52) Future of Forensic DNA Analysis. Plenary, Scientific Symposium on the Occation of the 100th Jubilee of the Institute of Legal Medicine University of Zurich, Switzerland, Zurich, 09.11.2012, Switzerland
53) Improving Forensic DNA Analysis. Scientific Symposium Future in Forensics on the occation of the 10th Jubliee of Forensic Medical Specialists Rotterdam-Rijnmond (FARR), 26.09.2012, Rotterdam, The Netherlands
54) Advances in human genetics and molecular biology for improving forensic analyses. 24th Meeting of the Italian Society of Forensic Genetics, 21.09.2012, Pavia, Italy
55) Estimating trace deposition time using circadian biomarkers, Kick-Off Symposium Forensic Science program of the Netherlands Organization for Scientific Research (NWO), 18.09.2012, The Hague, The Netherlands
56) Rapidly-mutating Y-STRs. International Conference "DNA in Forensics 2012" with 8th Forensic Y-User Workshop, 07.09.2012, Innsbruck, Austria
57) Current advances and future perspective in forensic molecular biology. Keynote lecture, 6th European Academy of Forensic Science Conference, 21.08.2012, The Hague, The Netherlands
58) Recent developments and future perspectives in using molecular biology for crime scene investigation. Forensica 2012 – 3rd International Conference on Forensic Genetics, 21.-23.05.2012, Lednice, Czech Republic
59) Applying RNA in forensic investigations. Forensica 2012 – 3rd International Conference on Forensic Genetics, 21.-23.05.2012, Lednice, Czech Republic
60) Additional Y-STRs in forensic analyses: Why, Which, and When. European Forensic DNA Working Group meeting 2012, 08.-10.05.2012, Krakow, Poland
61) DNA-based prediction of human eye color with the IrisPlex system. Annual Meeting 2012 of the European DNA Profiling (EDNAP) Group, 24.04.2012, Linkoeping, Sweden
62) Y-chromosome and Forensic Testing. Genetics in the Courts: Current and Future Trends, HUGO 2012 Satellite Meeting, 10.03.2012, Sydney, Australia
63) Forensic DNA Phenotyping: Appearance and Ancestry Predictions for Forensic Applications. Genetics in the Courts: Current and Future Trends, HUGO2012 Satellite Meeting, 10.03.2012, Sydney, Australia
64) Human Demographic and Selective History in Polynesia. Human Genome Organization (HUGO) Meeting 2012, 11-14.03.2012, Sydney, Australia
65) Forensic DNA Phenotyping: A brief introduction. 8th Annual Congress Forensic and Technical Analyses in Trace Investigation. 26.01.2012, Utrecht, The Netherlands
66) Human evolutionary Genetics: Ancestry, Admixture, Adaptation, Appearance. The 5th International Eijkman Conference, 08.-10.11.2011, Jakarta, Indonesia
67) Forensic DNA Phenotyping: Biological Aspects. 22nd International Symposium on Human Identification, 03.-06.10.2011, National Harbor, USA
68) The genetics of human appearance. Cold Spring Harbor Meeting on Personal Genomes, 30.09.-02.10.2011, Cold Spring Harbor, USA
69) Beyond STR profiles: Molecular approaches for obtaining additional information from human forensic samples. Invited lecture 24th World Congress of the International Society of Forensic Genetics, 29.08.-03.09.2011, Vienna, Austria
70) Human appearance: genetic basis, DNA prediction and forensic applications. Keynote lecture. 7th Conference of the International Society of Applied Biological Sciences in Forensic, Anthropological and Medical Genetics. 20.06.2011, Bol, Island of Brac, Croatia

71) New perspectives in human forensic molecular biology. Key lecture, Scientific Symposium on the 20th Anniversary of National Board of Forensic Medicine of Sweden, 19.05.2011, Stockholm, Sweden
72) Körpergröße – eine Frage des genetischen Codes? (Human body height – a question of genetic code?), Mittags-Lecture, 1. Internationales Orthopädisches Symposium "Deformitäten und Destruktionen an der Wirbelsäule" Universitätsmedizin Greifswald, 14.05.2011, Greifswald, Germany
73) From genotypes to phenotypes: human appearance. International Networking Conference: From DNA to phenotypes. Royal Netherlands Academy of Arts and Sciences in collaboration with several biomedical graduate schools of the Netherlands. 09.03.2011, Erasmus University Medical Center Rotterdam, The Netherlands
74) Perspektiven forensischer Molekularbiologie (Perspectives in forensic molecular biology), Symposium Forensische DNA Analysis 2010, Universitätsmedizin Charite, Campus Virchow Klinikum, 25.11.2010, Berlin, Germany
75) Forensic molecular phenotyping: from sample to appearance. 7th International Congress of Baltic Medico-Legal Association, 12.11.2010, Helsinki, Finland
76) Predicting externally visible traits and forensic applications. Symposium Forensic Analysis 2010, 10.09.2010, University of Huddersfield, United Kingdom
77) The use of RNA in forensic analysis. Symposium Forensic Analysis 2010, 10.09.2010, University of Huddersfield, United Kingdom
78) Predicting appearance: new molecular tool for investigative intelligence. The 20th International Symposium on the Forensic Sciences, The Australian and New Zealand Forensic Science Society Biennial Conference, 05.09.2010, Sydney, Australia
79) Case studies of D/RNA technology in the future. Biotechnology Symposium Australian Federal Police, 03.09.2010, Sydney, Australia
80) DNA prediction of appearance traits for forensic application. Symposium "Recht doen met Forensisch DNA-onderzoek" University of Amsterdam, 14.01.2010, Amsterdam, The Netherlands
81) Solving a case in 2012 (joint presentation together with P. de Knijff and T. Sijen) Launch Symposium of the Forensic Genomics Consortium Netherlands **"**Introducing the Forensic Genomics Consortium: research that cracks crime", Netherlands Forensic Institute, 19.11.2009, Den Haag, The Netherlands
82) Genes and geography of Europe. 30th General Assembly of the International Union of Biological Sciences and Darwin 200 Human Evolution Symposium, hosted by The *International Union of Biological Sciences (IUBS)* and The *United Nations Educational Scientific and Cultural Organization(UNESCO)*, The University of the Western Cape, 12.10.2009, Bellville, Cape Town, South Africa
83) Geographic population structure and genetic ancestry. Opening lecture International Symposium "Molecular Anthropology and the Peopling of the Americas", University of Buenos Aires, 21.09.2009, Buenos Aires, Argentina
84) Broadening the horizon: New Y-STRs for forensic practice. Pre-Congress Workshop "Y Chromosome markers and YHRD" 23rd World Congress International Society for Forensic Genetics, 14.09.2009, Buenos Aires, Argentina
85) Genetics and prediction of human visible traits. The 11th International Meeting on Human Genome Variation and Complex Genome Analysis (HGV2009), 11.-13.09.2009, Tallin, Estonia
86) Forensic genomics: from bio-geographic ancestry testing to visible trait prediction. 9th Annual International Gene Forum "New frontiers in genomics", 12-13.06.2009, Tartu, Estonia
87) New trends in forensic DNA diagnostics: prediction of visible traits. 4th International Genomics in Business Congress, 19-21.04.2009, Amsterdam, The Netherlands
88) Evolutionary genetics of human skin pigmentation. 10th Annual Scientific Meeting of the Netherlands Society for Experimental Dermatology (NVED), 5-6.02.2009, Lunteren, The Netherlands
89) The Austronesian expansion: genetic evidence. Symposium Human Ethology, 10-11.10.2008, Max Planck Institute Erling / Andechs, Germany
90) Geographic structure in human population genetic data. Key lecture at Section "Population Computational Biology", 6th International Conference on Bioinformatics of Genome Regulation and Structure, 22-28.06.2008 Novosibirsk, Russia
91) Genetics and prediction of human eye color. Key lecture at workshop "Genetics of complex traits and its application in forensic science", 2nd International Conference "DNA in Forensics" in

combination with the 6th International Forensic Y-User Workshop and the 3rd EMPOP Meeting, 27.-30.05.2008, Ancona, Italy

92) The human genome sequence and perspectives in forensic genetics. Key lecture at 8th Annual Meeting of the Belgium Society of Human Genetics "The human genome: past, present and future". University Hospital, Catholic University Leuven, Campus Gasthuisberg, 25.04.2008, Leuven, Belgium
93) New perspectives in forensic genetics. Opening lecture at Benelux Forensic User Meeting 2008, Applied Biosystems, 10.04.2008, Niewerkerk a/d IJssel, The Netherlands
94) Dating biological stains using molecular techniques. Symposium "Dating in the Forensic Context". University of Amsterdam, 27.03.2008, Amsterdam, The Netherlands
95) Forensic Genomics. International Symposium of the Royal Netherlands Academy of Arts and Sciences "The role of DNA polymorphisms in complex traits and diseases", 20.03.2008, Amsterdam, The Netherlands
96) Sex-mediated differences in human population history: a genetic perspective. Symposium "Differences between men and woman" of the (Medical) Biology Student Association of Nijmegen University "De BeeVee". 29.11.2007, Nijmegen, The Netherlands
97) Evolutionary processes shaping human genetic diversity. Opening lecture at Symposium "Mutations in a historical context" of the Commission on Molecular Biological Diagnostic, Netherlands Society of Clinical Chemistry and Laboratory Medicine, 09.11.2007, Utrecht, The Netherlands
98) New perspectives in Forensic Molecular Biology. Symposium Forensic Medicine (Forensische Geneeskunde) of the Medical Student Association of the Erasmus University Rotterdam (Medische Faculteits Vereniging Rotterdam, MFVR), 20.10.2007. Rotterdam, The Netherlands
99) Identification of geographic origin in forensic genetics (in German). Inaugural Symposium Opening of the Institut für Blutgruppenforschung LGC GmbH new location, 07.09.2007. Köln, Germany
100) Molecular Autopsy in Forensics: Facts and fictions. Symposium "Autopsy Pathology: New Challenges", 13.07.2007, Rotterdam, The Netherlands
101) Identification of human geographic origins in forensic genetics. Key lecture 6th International Congress of the Baltic Medico-Legal Association, 14.-16.06.2007, Vilnius, Lithuania
102) Sampling and recent demographic events. International conference "DNA Sampling - Strategies & Design". 15-16.03.2007, Paris, France
103) Adam and Eve in paradise: human genetic history of the Pacific. International EMBO Workshop "Human evolution and disease", 6-9.12.2006, Hyderabad, India
104) Geographic identification in forensics: CSI fiction or reality? IBL Symposium 2006 "Natural variation in a post-genomic context". Institute of Biology, Leiden University, 16.11.2006, Leiden, The Netherlands
105) Human genetic history: migrations and adaptations. Annual Meeting 2006 of the German Association for Gene Diagnostics (AGD), 22.09.2006, Cologne, Germany
106) Y-chromosomal information for identifying geographic origin and genetic ancestry. Key lecture 21th Meeting of the Society of Forensic Genetics Italy, 05.09.2006, Lipari, Italy
107) Genomics in Research – career opportunities within research – the case of forensic genomics. Bio Career Event 2006, Netherlands Genomics Initiative, 18.05.2006, Utrecht, The Netherlands
108) Forensic Genomics: whole genome SNP diversity for genetic ancestry identification. International Symposium of the Royal Netherlands Academy of Arts and Sciences "The role of DNA polymorphisms in complex traits and diseases", 17.03.2006, Amsterdam, The Netherlands
109) Forensic Biotechnology: DNA testing for externally visible properties. 11th Netherlands Biotechnology Congress, special session Forensic Biotechnology, 16.03.2006, Ede, The Netherlands
110) Identification of genes involved in local selection and genetic adaptation in humans. Peer-Review of the Deutsche Forschungsgemeinschaft (German Research Council) regarding the planned Collaborative Research Centre "Molecular basis of evolutionary innovations" (SFB 680), 24.08.2005, Cologne, Germany
111) Genetic Identification of human geographic ancestry and visible traits: state of science and future perspectives. 2nd Expert Meeting of the Netherlands Ministry of Justice "New and other applications of DNA-analysis in law enforcement', 30.06.2005, Utrecht, The Netherlands
112) DNA profiling and genetic ancestry identification. 2nd Symposium of the Genomics Network for Young Scientists (GeNeYouS), 27.04.2005, Oss, The Netherlands

113) Evaluation of qualitative individual-specific characteristics in human genetic research. Symposium "The transparent criminal – possibilities and limits of DNA-analysis in law enforcement" organized by Hessen Ministry of Justice, Schloss Biebrich, 22.03.2005, Wiesbaden, Germany
114) DNA molecules in criminalistics: insights into forensic genetics. Sigma Symposium 2005 "Molecula delicti: chemie van het rechte pad af (Chemical molecules and criminalistics)" Radboud University Nijmegen, 17.03.2005, Nijmegen, The Netherlands
115) New scientific perspectives in forensic genetics. Symposium "Future perspectives in forensic sciences". The Netherlands Forensic Institute, 10.02.2005, Den Haag, The Netherlands
116) Survey of Y-chromosomal microsatellites in human and non-human primates. Key lecture 4th International Forensic Y-User Workshop "Haploid DNA Markers in Forensic Genetics", 18-20.11.2004, Berlin, Germany
117) The genetics of human individually recognizable characteristics. Genomics Momentum Conference 2004, 01.10.2004, Rotterdam, The Netherlands
118) The human Y chromosome: molecular characteristics and forensic application. 17th International Symposium on the Forensic Sciences. The Australian and New Zealand Forensic Science Society Biennial Conference, 29.03.2004, Wellington, New Zealand
119) Peopling of the Pacific: A genetic perspective. Plenary lecture 17th International Symposium on the Forensic Sciences. The Australian and New Zealand Forensic Science Society Biennial Conference, 29.03.2004, Wellington, New Zealand
120) The human Y chromosome: a brief introduction into characteristics and applications. Key lecture at Y Chromosome Workshop, 3rd European Academy of Forensic Sciences Triennial Meeting, 22.09.2003, Istanbul, Turkey
121) Sex, culture, and genetic diversity - what does it tell us about human population history. Key lecture 5th Meeting of the German Society of Anthropology, 17.09.2003, Potsdam, Germany
122) A systematic search for new polymorphic microsatellite loci on the human Y chromosome: strategy and first results. Plenary lecture 3rd International Forensic Y-User Workshop, 7.-8.11.2002, Porto, Portugal
123) The human Y chromosome: characteristics and applications. Plenary lecture, AAFS-Workshop „Y-Chromosome Analysis and its Application to Forensic Casework", 54th Annual Meeting of the American Society of Forensic Sciences, 12.02.2002, Atlanta, USA
124) Molecular anthropology: insights from the Y chromosome. 52rd Mosbach Colloquium of the German Society for Biochemistry and Molecular Biology „Evolution – in vivo, in vitro and in machina", 07.04.2001, Mosbach, Germany, Abstract in *Biological Chemistry* (2001) 382 (S7)
125) Mutation rates of Y-chromosomal microsatellites. 2nd International Forensic Y-User Workshop, 16.06.2000, Berlin, Germany
126) Genetic variability of human Y chromosomes and it's applications from forensic individualization to evolutionary anthropology. 8. Heidelberg DNA-Day, 18.11.1997, Heidelberg, Germany

<u>Invited lectures at scientific institutions: 52</u>

1) CSI at Erasmus MC. Erasmus MC Vriendendag Erasmus MC Foundation, 09.06.2018, Rotterdam, Netherlands
2) CSI Rotterdam For Real: Genetic Research to Improve Crime Scene Investigation. Vereniging Erasmus Trustfonds en Erasmus Alumni Vereninging, Erasmus Universiteit Rotterdam: "Science Hotel", 28.09.2018, Rotterdam, Netherlands
3) Aussehen, Alter, Abstammung aus Tatort-DNA: Was geht, was und warum (noch) nicht. Landeskriminalamt Nordrhein-Westfalen, 06.02.2018, Duesseldorf, Germany
4) New trends in forensic genetics. Institute of Forensic Sciences, 25.11.2016, Shanghai, China
5) Genetics and prediction of human appearance, CAS-MPG Partner Institute for Computational Biology, 24.11.2016, Shanghai, China
6) Genetics and prediction of human appearance. Bejing Institute of Genomics, 23.11.2016, Bejing, China
7) Forensic use of Y-chromosome DNA, Institute of Forensic Science, 23.11.2016, Bejing, China
8) Molecular estimation of time in forensics, Institute of Forensic Science, 22.11.2016, Bejing, China
9) Appearance genetics and DNA prediction, Institute of Forensic Science, 22.11.2016, Bejing, China

10) Genetics and DNA prediction of human appearance, Institute Seminar, Institute of Biochemistry and Biology, University of Potsdam, 04.01.2016, Potsdam, Germany
11) Wie sieht der Tater oder der Vorfahre aus? DNA gestützte Rekonstruktion äußerlicher Merkmale zwischen CSI-Fiktion und rechtsmedizinischer Realität. Institute fuer Anthropologie, Universitaet Mainz, 29.04.2015, Mainz, Germany
12) Trends and perspectives in Forensic Molecular Biology, 4.12.2014, Kunming Medical University, Kunming, China
13) Forensic DNA Phenotyping: DNA prediction of appearance traits for investigative purposes. 4.12.2014, Kunming Medical University, Kunming, China
14) CSI for Real *or* What you ever wanted to know about CSI but never had the chance to ask about. Erasmus MC Lecture Series on Biomedical Sciences. Erasmus University Medical Center Rotterdam, 04.12.2013, Rotterdam, Netherlands
15) Genetics and DNA Prediction of Human Appearance Traits. Seminar Department of Genetics and Pathology, University of Uppsala, 9.12.2013, Uppsala, Sweden
16) Genetic Substructure of human population: What, Why What for. Grand Rounds Seminar, Rollins School of Public Health Sciences, Emory University, 4.9.2013, Atlanta, U.S.A.
17) Future of forensic DNA analysis. East Netherlands Police Forces Headquarter, 07.06.2013, Appeldoorn, Netherlands
18) Genetics of human appearance and Forensic DNA Phenotyping, Neurophysics Colloquium, Radboud University Nijmegen, 15.05.2013, Nijmegen, Netherlands
19) Genetics of human appearance and Forensic DNA Phenotyping. Genome Sciences Theme Seminar. University of Leicester, 06.02.2013, Leicester, UK
20) Here's Looking at You, Kid. Genetics of human appearance and forensic applications. National Board of Forensic Medicine, 23.04.2012, Linkoeping, Sweden
21) Genetic substructure of human populations and inferences of bio-geographic ancestry from DNA. University of Lyon, Le séminaire Rhône-Alpin de Modélisation du Vivant, 01.02.2012, Lyon, France
22) Future Perspectives in human forensic molecular biology. Office of the Chief Medical Examiner (OCME) of New York City, Department of Forensic Biology, 03.10.2011, New York City, USA
23) Perspektiven forensischer Molekularbiologie (Perspectives in forensic molecular biology), Institut für Rechtsmedizin, Universität Bonn, 20.01.2011, Bonn, Germany
24) Genetics of Human Appearance. Seminar Series New Trends in Human Genetics Institute of Human Genetics and Life & Brain Center, University of Bonn, 20.01.2011, Bonn, Germany
25) Forensic Disaster Victim Identification with DNA analysis. Dies Natalis M.F.L.S.2010, Symposium Leiden University Medical Faculty, 04.11.2010, Leiden, Netherlands
26) Forensic Molecular Biology: A brief introduction. Lecture Series 'CSI for Real', Capita Selecta Erasmus University Medical Student Association, 06.10.2010, Rotterdam, Netherlands
27) What DNA tells about ancestry and looks. Lecture series 'Frontiers in Science in the Low Countries', 22.09.2010, Erasmus University Medical Center, Rotterdam, Netherlands
28) Progress on DNA-based eye color prediction. Netherlands Forensic Institute, 22.06.2010, Den Haag, The Netherlands
29) Genetic structure of human populations with implications. Lecture within Studium Generale (medical students), Erasmus University Medical Center, 11.05.2010, Rotterdam, The Netherlands
30) Genetic Anthropology: Ancestry, Adaptation, Appearance. Lecture (short list) on the Opening of the Full Professorship Biological Anthropology (Ordinariat, W3-Level), Department of Biology, Ludwig-Maximilians-University Munich, 16.04.2010, Munich, Germany
31) The genetics of human appearance, IBM Research Program, 03.03.2010, Bari, Italy
32) Population genetics and recent human evolution. Postgraduate Programs "Genetics and Molecular Evolution" and "Genomics and Proteomics: Functions and Applications", Department of Biology, University of Bari, 02.03.2010, Bari, Italy
33) New uses of molecular biology for future forensic applications. University of Canberra / The Australian and New Zealand Forensic Science Society, 17.02.2010, Canberra, Australia
34) Origins and migration history of Pacific Islanders: a genetic perspective. Department of Anthropology and Museum of Anthropology and Archaeology, University of Pennsylvania, 06.05.2009, Philadelphia, U.S.A.
35) Genome-wide association studies towards unveiling the genetic basis of human iris color variation. Department of Epidemiology, Erasmus University Medical Center, 30.06.2008, Rotterdam, The Netherlands

36) Genetics of human iris color. Department of Ophthalmology, Erasmus University Medical Center, 09.05.2008, Rotterdam, The Netherlands
37) Human genetic history of the Pacific. Morrison Institute for Population and Resource Studies, Stanford University, 13.02.2008, Stanford, U.S.A.
38) Genetics and genetic prediction of human iris color. Max Planck Institute for Evolutionary Anthropology, 23.11.2007, Leipzig, Germany
39) Molecular genetics and genetic prediction of human eye color. Netherlands Forensic Institute, 15.11.2007, Den Haag, The Netherlands
40) Detection of human geographic origins. Department of Human and Medical Genetics, University of Vilnius, 15.06.2007, Vilnius, Lithuania
41) Human genetic history of Polynesia. Department of Zoology, University of Bari, 20.04.2007, Bari, Italy
42) RNA markers in forensic genetics: tissue identification and beyond. Netherlands Forensic Institute, 05.03.2007, Den Haag, The Netherlands
43) The human genome and our own history. Department of Epidemiology & Biostatistics, Erasmus University Medical Center, 12.02.2007, Rotterdam, The Netherlands
44) Of genes and crime. Inaugural lecture on acceptance of the Full Professorship and Chair of Forensic Molecular Biology at Erasmus MC - Medical Faculty of Erasmus University Rotterdam, 27.02.2006, Rotterdam, The Netherlands
45) Proportioning global whole-genome SNP diversity for identifying human population structure and geographic ancestry. The Wellcome Trust Sanger Institute, 09.09.2005, Hinxton, United Kingdom
46) The biological passport photograph. Scientific Farewell Symposium for Director Dr. Leo de Waal „The power of sharing knowledge", Netherlands Forensic Institute, 31.03.2005, Den Haag, The Netherlands
47) Forensic identification beyond neutral genetic profiling? Institute of Legal Medicine, University of Helsinki, 02.12.2004, Helsinki, Finland
48) Human genetic history in New Guinea. Department of Zoology, University of Bari, 21.11.2003, Bari, Italy
49) Human population history in Oceania in the light of molecular genetics. Johannes- Gutenberg-University Mainz, Institute of Anthropology, Lecture (short list) to fill the position of full (C4) professor of anthropology, Department of Biology, Institute for Anthropology, 23.10.2001, Mainz, Germany
50) Y chromosome perspectives on the peopling of the Pacific. University of Sydney, Department of Molecular & Clinical Genetics, 21.09.2001, Sydney, Australia
51) The human Y chromosome and its application to molecular anthropology and human identification. Central University Venezuela, Department of Sciences, Institute for Experimental Biology, 27.06.2001, Caracas, Venezuela
52) Genetic perspectives on the colonization of the Pacific. Institute Seminar, Max Planck Institute for Evolutionary Anthropology, 16.03.2001, Leipzig, Germany

Invited lectures at scientific courses / teaching programs: 131

1) Forensic genetics: a brief introduction. Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 23.11.2018, Rotterdam, The Netherlands
2) Human appearance genetics and DNA-based prediction. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 14.11.2018, Rotterdam, The Netherlands
3) Human genetic diversity and migration history, MSc Program Genome Architecture, Institute of Biology, Leiden University, 16.10.2018, Leiden, Netherlands
4) Human genetic diversity and adaptation history, MSc Program Genome Architecture, Institute of Biology, Leiden University, 16.10.2018, Leiden, Netherlands
5) Forensic Genetics, MSc Program Genome Architecture, Institute of Biology, Leiden University, 16.10.2018, Leiden, Netherlands
6) Human appearance genetics in forensics and society. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 17.10.2018, Rotterdam, Netherlands
7) Human ancestry genetics in forensics and society. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 17.10.2018, Rotterdam, Netherlands

8) Human evolutionary genetics. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 18.10.2018, Rotterdam, Netherlands
9) Genetic association and functional genetics of human pigmentation. MSc Program Biomedical Sciences, Leiden University Medical Center, 12.01.2018, Leiden, The Netherlands
10) Human appearance genetics and DNA-based prediction. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 17.11.2017, Rotterdam, The Netherlands
11) CSI for real. Forensic genetics: a brief introduction. Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 20.11.2017, Rotterdam, The Netherlands
12) Genetics of human appearance and forensic applications, Webinar Predict Human Appearance from DNA Focusing on Pigmentation, Forensic Technology Center of Excellence, A program of the National Institute of Justice U.S.S. 25.10.2017
13) Human appearance genetics in forensics and society. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 19.10.2017, Rotterdam, Netherlands
14) Human ancestry genetics in forensics and society. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 18.10.2017, Rotterdam, Netherlands
15) Human genetic diversity and migration history, MSc Program Genome Architecture, Institute of Biology, Leiden University, 17.10.2016, Leiden, Netherlands
16) Human genetic diversity and adaptation history, MSc Program Genome Architecture, Institute of Biology, Leiden University, 17.10.2016, Leiden, Netherlands
17) Forensic genetics, MSc Program Genome Architecture, Institute of Biology, Leiden University, 14.10.2016, Leiden, Netherlands
18) Forensic genetics: a brief introduction. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 16.10.2017, Rotterdam, Netherlands
19) Forensic Genetics, Minor Program Medical Delta Erasmus MC / TU Delft, Erasmus University Medical Center, 21.09.2017, Rotterdam, The Netherlands
20) Theoretical genetic basis of appearance predictive DNA analysis. Workshop Predictive DNA Analysis in Forensic Genetics. 27th Congress of the International Society of Forensic Genetics, 29.08.2017, Seoul, Korea
21) Genetic-geographic substructure of human populations: Scientific basis of DNA-based ancestry inference. Workshop Predictive DNA Analysis in Forensic Genetics. 27th Congress of the International Society of Forensic Genetics, 29.08.2017, Seoul, Korea
22) Human evolutionary genetics: origins, migration, adaptation. Genetics Course, PhD program Biomedical Sciences / Postgraduate Program Medical Genetic Center Southwest Netherlands (MGC), 20.05.2015, Rotterdam, The Netherlands
23) Forensic Genetics, MSc Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 15.16.2016, Rotterdam, The Netherlands
24) Genetic basis and DNA prediction of human appearance. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 15.11.2016, Rotterdam, The Netherlands
25) Human genetic diversity and migration history, MSc Program Genome Architecture, Institute of Biology, Leiden University, 14.10.2016, Leiden, Netherlands
26) Human genetic diversity and adaptation history, MSc Program Genome Architecture, Institute of Biology, Leiden University, 14.10.2016, Leiden, Netherlands
27) Human appearance genetics in forensics and society. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 13.10.2016, Rotterdam, Netherlands
28) Human ancestry genetics in forensics and society. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 13.10.2016, Rotterdam, Netherlands
29) Future of forensic genetics. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 12.10.2016, Rotterdam, Netherlands
30) Forensic Genetics, Minor Program Medical Delta Erasmus MC / TU Delft, Erasmus University Medical Center, 15.09.2016, Rotterdam, The Netherlands
31) Human evolutionary genetics: origins, migration, adaptation. Genetics Course, PhD program Biomedical Sciences / Postgraduate Program Medical Genetic Center Southwest Netherlands (MGC), 25.05.2015, Rotterdam, The Netherlands
32) Genetic and DNA prediction of human appearance, MSc Program Biomedical Sciences, Leiden University Medical Center, 07.01.2015, Leiden, The Netherlands

33) Genetic basis and DNA prediction of human appearance. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 19.11.2015, Rotterdam, The Netherlands
34) Human appearance genetics in forensics and society. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 15.10.2015, Rotterdam, Netherlands
35) Human ancestry genetics in forensics and society. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 15.10.2015, Rotterdam, Netherlands
36) Future of forensic genetics. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 14.10.2015, Rotterdam, Netherlands
37) Human evolutionary genetics. MSc Biology Program, Institute of Biology, Leiden University, 14.10.2015, Leiden, Netherlands
38) Forensic Genetics. Minor "Medical Science" Medical Delta Erasmus MC / TU Delft, Erasmus University Medical Center, 22.09.2015, Rotterdam, The Netherlands
39) Future Perspectives on Forensic DNA Phenotyping. Human Appearance Genetics and Prediction. Workshop Forensic DNA Phenotyping, 26rd World Congress International Society for Forensic Genetics, 31.08.-05.09.2015, Krakow, Poland
40) Identification and selection of FDP markers. Human Appearance Genetics and Prediction. Workshop Forensic DNA Phenotyping, 26rd World Congress International Society for Forensic Genetics, 31.08.-05.09.2015, Krakow, Poland
41) Human evolutionary genetics: origins, migration, adaptation. Genetics Course, PhD program Biomedical Sciences / Postgraduate Program Medical Genetic Center Southwest Netherlands (MGC), 20.05.2015, Rotterdam, The Netherlands
42) Forensic Genetics: CSI for real. University College Groningen, 08.04.2015, Groningen, Netherlands
43) From GWAS to function: Transcriptional regulation of human pigmentation genes. XLII Winter School of the Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University Krakow „From Genome to Proteome", 10-14.02. 2015, Zakopane, Poland
44) Genetic basis and prediction of human appearance. International Symposium "Population Genomics of Complex Traits" Erasmus University Medical Center, 20-21.11.2014, Rotterdam, The Netherlands
45) Human genetic ancestry. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 30.10.2014, Rotterdam, Netherlands
46) Human evolutionary genetics. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 29.10.2014, Rotterdam, Netherlands
47) Future of forensic genetics. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 27.10.2014, Rotterdam, Netherlands
48) Forensic ancestry testing: practical assignment. Master of Science Program Forensic Science, University of Amsterdam, 17.10.2013, Amsterdam, The Netherlands
49) Forensic phenotyping: appearance information from DNA. Master of Science Program Forensic Science, University of Amsterdam, 14.10.2013, Amsterdam, The Netherlands
50) Forensic phenotyping: geographic information from DNA. Master of Science Program Forensic Science, University of Amsterdam, 14.10.2013, Amsterdam, The Netherlands
51) Genetics and prediction of human appearance, MSc Program Biomedical Sciences, Leiden University Medical Center, 7.1.2014, Leiden, Netherlands
52) Human Evolutionary Genetics, MSc Program Molecular Medicine, Erasmus University Medical Center Rotterdam, 18.11.2013, Rotterdam, Netherlands
53) Forensic genetics in the media. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 29.10.2013, Rotterdam, Netherlands
54) Future of forensic genetics. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 28.10.2013, Rotterdam, Netherlands
55) Human genetic ancestry. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 22.10.2013, Rotterdam, Netherlands
56) Human evolutionary genetics: a brief overview. Minor Program Genetics in Society, Erasmus MC / Erasmus University, 21.10.2013, Rotterdam, Netherlands
57) Human demographic history inference from genetic diversity. Genomic Architecture Course, MSc Biology Program, Institute of Biology, Leiden University, 1.10.2013, Leiden, Netherlands
58) Forensic genomics. Postgraduate Program Molecular Medicine, 10th Course "SNP's and Human Diseases" & Symposium "Population Genomics of Complex Traits", Erasmus University Medical Centre Rotterdam, 20.09.2013, Rotterdam, The Netherlands

59) Forensic Genetics. Minor "Medical Science" Medical Delta, Erasmus University Medical Center, 18.09.2013, Rotterdam, The Netherlands
60) Human Appearance Genetics and Prediction. Workshop Forensic DNA Phenotyping, 25rd World Congress International Society for Forensic Genetics, 2.-7.9.2013, Melbourne, Australia
61) Forensic molecular diagnostics – a brief introduction. Master of Science Program Infection & Immunity, Erasmus University Medical Centre Rotterdam, 28.08.2013, Rotterdam, The Netherlands
62) Human evolutionary genetics – a brief introduction. Master of Science Program Infection & Immunity, Erasmus University Medical Centre Rotterdam, 26.08.2013, Rotterdam, The Netherlands
63) Forensic diagnostics. Molecular Diagnostics Course, Postgraduate Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 04.06.2013, Rotterdam, The Netherlands
64) Human evolutionary genetics. Genetics Course, Postgraduate Program Medical Genetic Center Southwest Netherlands (MGC), 22.05.2013, Rotterdam, The Netherlands
65) DNA in forensic investigations. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 20.11.2012, Rotterdam, The Netherlands
66) Future of Forensic DNA Analysis. Minor Genetics in Society, Erasmus University, 01.11.2012, Rotterdam, The Netherlands
67) Human evolutionary genetics: origins, migrations, adaptations. Introductory lecture Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 11.10.2012, Rotterdam, The Netherlands
68) Human genetic ancestry. Minor Genetics in Society Erasmus University, 01.10.2012, Rotterdam, The Netherlands
69) Improving forensic analyses through advances in human genomics. Master Class, Erasmus Summer Program 2012, Erasmus University Rotterdam, 23.08.2012, Rotterdam, The Netherlands
70) Human evolutionary genetics – a brief introduction. Master of Science Program Infection & Immunity, Erasmus University Medical Centre Rotterdam, 20.08.2012, Rotterdam, The Netherlands
71) Autosomal SNPs for human identification. Forensic Genomics Summer School 2012, 18.08.2012, The Hague, The Netherlands
72) Improved Y-STR analysis. Forensic Genomics Summer School 2012, 18.08.2012, The Hague, The Netherlands
73) Appearance prediction from DNA. Forensic Genomics Summer School 2012, 16.08.2012, The Hague, The Netherlands
74) Forensic molecular biology – a brief introduction. Master of Science Program Infection & Immunity, Erasmus University Medical Centre Rotterdam, 15.08.2012, Rotterdam, The Netherlands
75) Human evolutionary genetics. Genetics Course, Postgraduate Program Medical Genetic Center Southwest Netherlands (MGC), 16.05.2012, Rotterdam, The Netherlands
76) Human Evolutionary Genetics. Genetics Course, Postgraduate Program Medical Genetic Center Southwest Netherlands (MGC), 16.05.2012, Rotterdam, The Netherlands
77) DNA predictions in forensics, Erasmus Winter Program 2012, Erasmus University Rotterdam, 03.02.2012, Rotterdam, The Netherlands
78) Genetic basis and prediction of human appearance traits. MSc Course Department of Human and Clinical Genetics, Leiden University Medical Center, 12.01.2012, Leiden, The Netherlands
79) SNPs in forensics. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 23.11.2011, Rotterdam, The Netherlands
80) Human evolutionary genetics – a brief introduction. Master of Science Program Infection & Immunity, Erasmus University Medical Centre Rotterdam, 22.08.2011, Rotterdam, The Netherlands
81) Forensic molecular biology – a brief introduction. Master of Science Program Infection & Immunity, Erasmus University Medical Centre Rotterdam, 16.08.2011, Rotterdam, The Netherlands
82) Forensic molecular diagnostics. Molecular Diagnostics Course, Postgraduate Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 16.06.2011, Rotterdam, The Netherlands

83) Human evolutionary genetics. Genetics Course, Postgraduate Program Medical Genetic Center Southwest Netherlands (MGC), 11.05.2011, Rotterdam, The Netherlands
84) Improving human forensics through advances in genomics. Erasmus Winter Program 2011, Erasmus University Rotterdam, 03.02.2011, Rotterdam, The Netherlands
85) SNPs in forensics. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 17.11.2010, Rotterdam, The Netherlands
86) Human evolutionary genetics – a brief introduction. Master of Science Program Infection & Immunity, Erasmus University Medical Centre Rotterdam, 23.08.2010, Rotterdam, The Netherlands
87) Forensic molecular diagnostics – a brief introduction. Master of Science Program Infection & Immunity, Erasmus University Medical Centre Rotterdam, 17.08.2010, Rotterdam, The Netherlands
88) Improving forensic analyses with human genomics. Master Class Human Genomics, Erasmus Summer Program 2010, Erasmus University Rotterdam, 17.08.2010, Rotterdam, The Netherlands
89) How well does your DNA predict your appearance? Summer Course Human Identification: Forensic Genetics and Criminalistics. Universidad Complutense Madrid, Cursos de Verano 2010, 26-30.07.2010, Escorial, Spain
90) Forensic molecular diagnostics. Molecular Diagnostics Course, Postgraduate Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 21.05.2010, Rotterdam, The Netherlands
91) Human evolutionary genetics. Genetics Course, Postgraduate Program Medical Genetic Center Southwest Netherlands (MGC), 19.05.2010, Rotterdam, The Netherlands
92) Forensic phenotyping: appearance information from DNA. Master of Science Program Forensic Science, University of Amsterdam, 17.05.2010, Amsterdam, The Netherlands
93) Forensic phenotyping: geographic information from DNA. Master of Science Program Forensic Science, University of Amsterdam, 17.05.2010, Amsterdam, The Netherlands
94) SNPs in forensics. Two day course taught to Australian Federal Police Forensic Services, 15.-17.02.2010, Canberra, Australia
95) Genetic structure of human populations and implications. Erasmus Winter Program 2010, Erasmus University Rotterdam, 28.01.2010, Rotterdam, The Netherlands
96) Forensics genetics: past, presence, future. Honours Class "Forensic Medicine" Erasmus University Medical Center, 17.11.2009, Rotterdam, The Netherlands
97) SNPs in forensics. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 04.11.2009, Rotterdam, The Netherlands
98) Human evolutionary genetics: origins, migrations, adaptations. Introductory lecture Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 29.10.2009, Rotterdam, The Netherlands
99) Forensic molecular diagnostics. Molecular Diagnostics Course, Postgraduate Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 29.05.2009, Rotterdam, The Netherlands
100) Genetics and prediction of human visible traits. Forensic Genetics Working Group Meeting One, University of Pennsylvania, 04-05.05.2009, Philadelphia. U.S.A.
101) Forensic phenotyping: facts or fiction? Master of Science Program Forensic Science, University of Amsterdam, 20.04.2009, Amsterdam, The Netherlands
102) Genetic aspects of human population history. Workshop Socio-environmental dynamics over the last 12,000 years: the creation of landscapes. Graduate School Human Development in Landscapes. Christian-Albrechts-University Kiel, 02.04.2009, Kiel, Germany
103) Prediction of externally visible traits of unknown persons. Erasmus University Postgraduate Program Molecular Medicine, Get-out-Lab days, 13.03.2009, Soest, The Netherlands
104) Human evolutionary genetics: origins, migrations, adaptations. Introductory lecture Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 17.11.2008, Rotterdam, The Netherlands
105) SNPs in forensics. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 07.11.2008, Rotterdam, The Netherlands

106) Geographic structure and genetic ancestry. ½ day within Course Genomics in Molecular Medicine, Erasmus Summer Program 2008, Erasmus University Medical Center, 22.08.2008, Rotterdam, The Netherlands
107) Forensic phenotyping: facts or fiction? Master of Science Program Forensic Science, University of Amsterdam, 14.04.2008, Amsterdam, The Netherlands
108) Human Genetic Diversity: origins, migration, adaptation. Erasmus Winter Program 2007, Erasmus University Medical Center, 04.02.2008, Rotterdam, The Netherlands
109) Forensic molecular phenotyping: dreams or future reality? Forensic Science Program at University of Applied Sciences Amsterdam (Hogeschool van Amsterdam), 14.12.2007, Amsterdam, The Netherlands
110) Human evolutionary genetics: origins, migrations, adaptations. Introductory lecture Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 12.11.2007, Rotterdam, The Netherlands
111) SNPs in forensics. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 08.11.2007, Rotterdam, The Netherlands
112) Forensic molecular diagnostics. Postgraduate Program Molecular Medicine Course „Molecular Diagnostics", Erasmus University Medical Centre Rotterdam, 12.10.2007, Rotterdam, The Netherlands
113) Evolutionary history of human phenotypic variation. Erasmus Summer Program 2007, 31.10.2007, Rotterdam, The Netherlands
114) Forensic molecular diagnostics. Postgraduate Program Molecular Medicine Course „Molecular Diagnostics", Erasmus University Medical Centre Rotterdam, 01.06.2007, Rotterdam, The Netherlands
115) Human adaptation history: a brief introduction. Course Evolutionary Genetics, Institute of Genetics, University of Cologne, 15.05.2007, Germany
116) Human migration history: a brief introduction. Course Evolutionary Genetics, Institute of Genetics, University of Cologne, 14.05.2007, Germany
117) Predicting appearance traits from crime scene samples: facts or fiction? Forensic Science Program at University of Applied Sciences Amsterdam (Hogeschool van Amsterdam), 14.12.2006, Amsterdam, The Netherlands
118) Human evolutionary genetics: origins, migrations, adaptations. Introductory lecture Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 27.11.2006, Rotterdam, The Netherlands
119) SNPs in forensics. Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 02.11.2006, Rotterdam, The Netherlands
120) Forensic phenotyping: facts or fiction? Master of Science Program Forensic Science, University of Amsterdam, 9.10.2006, Amsterdam, The Netherlands
121) Human evolutionary population genetics. Erasmus Summer Program Course „Introduction to Genomics and Bioinformatics", 16.08.2006, Rotterdam, The Netherlands
122) Human genetic diversity and applications. Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 06.02.2006, Rotterdam, The Netherlands
123) New developments in forensic genetics: SNPing away current problems? Postgraduate Program Molecular Medicine Course „SNPs and Human Diseases", Erasmus University Medical Centre Rotterdam, 20.10.2005, Rotterdam, The Netherlands
124) The genetics of human appearance. Master of Science Program Forensic Science, University of Amsterdam, 10.10.2005, Amsterdam, The Netherlands
125) Introduction into the human Y chromosome and its applications to forensic genetics. Master of Science Program Forensic Science, University of Amsterdam, 10.10.2005, Amsterdam, The Netherlands
126) Signatures of historic events on the genome of human populations. Erasmus Summer Program Course „Introduction to Genomics and Bioinformatics", 17.08.2005, Rotterdam, The Netherlands
127) Forensic genomics: Future developments in forensic genetics beyond neutral genetic profiling, Erasmus University Postgraduate Program Molecular Medicine, Get-out-Lab days, 12.03.2005, Domburg, The Netherlands
128) The use of DNA in forensics: past, presence, and future. 6th Joint Medical-Genetic Center South-Holland (MGC) and the Cancer Research UK (CRUK) Graduate Student Workshop, 26.05.2005, Liege, Belgium

129) Introduction into human genetic diversity. Master of Science Program Molecular Medicine, Erasmus University Medical Centre Rotterdam, 07.02.2005, Rotterdam, The Netherlands
130) The human Y chromosome in forensic medicine and molecular anthropology. United Nations University / Institute for Advanced Studies, Course DNA typing in Forensic Medicine and Molecular Anthropology, 26.06.2001, Baruta, Venezuela
131) The human Y chromosome: characteristics, evolution, genes and polymorphisms. United Nations University / Institute for Advanced Studies, Course DNA typing in Forensic Medicine and Molecular Anthropology, 25.06.2001, Baruta, Venezuela

Regular (non-invited) presentations at scientific conferences: >130

Personally-given talks at scientific conferences: 20

1) Chaitanya L, Ralf A, van Oven M, Zubakov D, Zhong K, Kupiec T, Chang J, Langit R, Lagace R, **Kayser M**. Simultaneous analysis of hundreds of genetic markers for multiple forensic purposes via massively parallel sequencing. 26th Congress of the International Society for Forensic Genetics. 31.08-05.09.2015, Krakow, Poland
2) **Kayser M**, A. Ralf, K. Zhong, M. van Oven, Y-chromosome haplogrouping and paternal ancestry inference via simultaneous analysis of 550Y-SNPs with Ion Torrent PGM. International Conference "DNA in Forensics 2014" with 9th International Y Chromosome Workshop and 6th International EMPOP Meeting, 14-16.05.2014, Brussels, Belgium
3) **Kayser M**, How well does your DNA predict your appearance? 23rd World Congress of the International Society for Forensic Genetics, 15.-19.09.2009, Buenos Aires, Argentina
4) **Kayser M**, Pros and cons of uni-parental markers in reconstructing the genetic history of individuals and populations: a case study from the Pacific. International Conference "DNA in Forensics 2008" in combination with the 6th International Forensic Y-User Workshop and the 3rd EMPOP Meeting, 27-30.05.2008, Ancona, Italy
5) **Kayser M**, Liu F, Aulchenko YS, Vermeulen M, Rivadeneira F, Klaver CWC, Despriet DDG, de Jong PTVM, Hofman A, Oostra BA, Uiterlinden AG, van Duijn CM. Towards Genetic Prediction of Human Externally Visible Characteristics: The Case of Iris Color. 22st International Congress of the International Society of Forensic Genetics, 22-25.08.2007, Kopenhagen, Denmark
6) **Kayser M**, Vermeulen M, de Knijff P and Tyler-Smith C. 50 novel simple Y-chromosomal microsatellites: global genetic diversity and mutation rates. International Conference "DNA in Forensics 2006" with 5th International Forensic Y-User Workshop, 28-30.09.2006. Innsbruck, Austria
7) **Kayser M**, Lao O, van Duijn JK, Kersbergen P, de Knijff P. Autosomal markers for human population identification from whole genome SNP analyses. 21st International Congress of the International Society of Forensic Genetics, 13.09.-17.09.2005, Ponta Delgada, Azores, Portugal
8) **Kayser M**, The DYS385 story - Insights from molecular genetics and population history. 3rd International Forensic Y-User Workshop, 7.11.2002, Porto, Portugal
9) **Kayser M**, Brauer S, Weiss G, Schiefenhövel W, Underhill P, Shen P, Oefner P, Tommaseo-Ponzetta M, and Stoneking M. Extreme reduction in Y-chromosome, but not mtDNA, diversity in human populations from West New Guinea. Cold Spring Harbor Meeting on Human Origin & Disease, 30.10.-03.11.2002, Cold Spring Harbor, New York, USA
10) **Kayser M**, Brauer S, Schädlich H, and Stoneking M: Y-STR haplotype database of North American populations. 53rd Annual Scientific Meeting of the American Academy of Forensic Sciences, 19-24.02.2001, Seattle, USA
11) **Kayser M**, Brauer, S, Weiss G, Underhill, PA, Schiefenhövel W, and Stoneking M: Y chromosome analysis suggests a Melanesian origin of Polynesians and an independent population history of Melanesia and Australia. Cold Spring Harbor Meeting on Human Origin & Disease, 25.-29.10.2000, Cold Spring Harbor, New York, USA
12) **Kayser M**, Dieltjes P, Corach D, Penacino G, Caglià A, Gehrig C, Pascali VL, Bakker E, Roewer L, Krawczak M, and de Knijff P: Haplotype and phylogenetic analysis of polymorphic Y-chromosomal microsatellites in global populations. Cold Spring Harbor Meeting on Human Evolution, 04.-08.10. 1997, Cold Spring Harbor, New York, USA
13) **Kayser M**, Roewer L, Nagy M, and Geserick G: Power of forensic evidence of the Y-chromosomal DNA-analysis. 76rd Annual Meeting of the German Society of Legal Medicine, 16.-20.09.1997, Jena, Germany

14) **Kayser M**, Krüger C, Nagy M, Geserick G, de Knijff P, and Roewer L: Chromosome Y analysis in paternity testing: experiences and recommendations. 17th International Congress of the International Society of Forensic Haemogenetics, 02.-06.09.1997, Oslo, Norway
15) **Kayser M**, Roewer L, Nagy M, and Geserick G: Y-chromosomal STRs in paternity testing with special regard to deficiency cases. 6. Spring Meeting of the Region North of the German Society of Legal Medicine, 23.-24.05.1997, Berlin, Germany
16) **Kayser M**, Dieltjes P, Nagy M, de Knijff P, and Roewer L: Variation and distribution of human Y-haplotypes revealed by microsatellite analysis. 4th International DNA Fingerprinting Conference, 02.-07.12.1996, Melbourne, Australia
17) **Kayser M**, Towards individualisation of any human male and patrilineage using Y-chromosomal STR polymorphisms. 1st International Forensic Y-User Workshop, 19.-20.04.1996, Berlin, Germany
18) **Kayser M**, Nürnberg P, Bercovitch F, Nagy M, and Roewer L: Increased variability of a human microsatellite in *Macaca mulatta* due to a large-scale deletion / insertion event during primate evolution. 3rd International DNA Fingerprinting Conference, 12.-16.12.1994, Hyderabad, India
19) **Kayser M** and Roewer L: How many alleles has an allele? Results and consequences of the STR sequence analyses. 73rd Annual Meeting of the German Society of Legal Medicine, 06.-10.09.1994, Munich, Germany, Abstract in: *Zentralblatt Rechtsmedizin*, 1994, 42 (6), 420
20) **Kayser M**, Sequence variability at the STR-locus D12S67. 3rd Spring Meeting of the Region North of the German Society of Legal Medicine, 10.-11.06.1994, Magdeburg, Germany, Abstract in: *Zentralblatt Rechtsmedizin*, 1994, 42 (7-8), 495

Co-authored papers presented by co-author as talks at scientific conferences: >64

Poster presentations at scientific conferences: 46

1) Walsh S, Breslin K, Eller R, Muralidharan C, Pospiech E, Chaitanya L, Wollstein A, Liu F, Branicki W, Kayser M. The Prediction of Human Pigmentation Phenotypes from DNA for Forensic and Anthropological Usage. The 86th Annual Meeting of the American Association of Physical Anthropologists, 08.022.04.2017, New Orleans, U.S.A.
2) Liu F, Visser M, Duffy DL, Hysi PG, Jacobs L, Lao O, Walsh S, Chaitanya L, Ralf A, Zhu G, van IJcken W, Mangino M, Glass D, Bataille V, Hofman A, Uitterlinden AG, Palstra R-J, Spector TD, Martin NG, Nijsten TEC, and **Kayser M**. Common variants at 20q11 influence skin color in Europeans. The European Human Genetics Conference 2014, 31.05.-03.06.2014, Milano, Italy
3) Chaitanya L, van Oven M, Brauer S, Zimmermann B, Huber G, Xavier V, Parson W, de Knijff P, **Kayser M.** Mitochondrial DNA data from the Netherlands to improve content and geographic coverage of the EMPOP database. International Conference "DNA in Forensics 2014" with 9th International Y Chromosome Workshop and 6th International EMPOP Meeting, 14-16.05.2014, Brussels, Belgium
4) Duggan AT, Evans B, Friedlaender FR, Friedlaender JS, Koki G, Merriwether DA, Pakendorf B, Trent RJ, **Kayser M**, Stoneking M. Migration history preserved in Oceanic mtDNA. American Society of Human Genetics Annula Meeting 2013, 22.-26.10.2013, Boston, U.S.A
5) Walsh S, Chaitanya L, Clarisse L, Wirken L, Draus-Barini J, Kovatsi L, Sijen T, de Knijff P, Branicki W, Liu F, **Kayser M**. Developmental validation of the HIrisPlex system: DNA-based eye and hair color prediction for forensic and anthropological usage, including full and partial profiles. 25rd World Congress International Society for Forensic Genetics, 2.-7.9.2013, Melbourne, Australia
6) Zubakov D, Liu F, Kokmeijer I, Broer L, van Duijn CM, **Kayser M**. Validation of molecular markers for predicting the chronological age of a person. 25rd World Congress International Society for Forensic Genetics, 2.-7.9.2013, Melbourne, Australia
7) Jacobs LC, Wollstein A, Lao O, Hofman A, Klaver CC, Uitterlinden AG, Nijsten T, **Kayser M**, Liu F. *BNC2* and *UGT1A* influence human skin color, 6th International Dermato-Epidemiology Association Congress (IDEA), 26-28.08.2012, Malmo, Sweden
8) Wollstein A, Walsh S, Böhringer S, and **Kayser M**. Eye of the beholder: new approaches in quantifying iris color and morphology, 4th International Conference on Quantitative Genetics, 17-22.06.2012, Edinburgh, UK
9) Skene DJ, Ackermann K, Revell VL, Lao O, Rombouts EJ, **Kayser M**. Acute sleep deprivation affects diurnal rhythmicity in granulocytes. Worldsleep 2011, 16.-20.10.2011, Kyoto, Japan

10) Sauer E, Liebrechts-Akkerman G, Vermeulen M, van Duijn K, Courts C, Madea B, **Kayser M**. Potential genetic predispositions for sudden infant death syndrome: a case-control study. 24th World Congress of the International Society of Forensic Genetics, 29.08.-03.09.2011, Vienna, Austria
11) Ballantyne KN, Keerl V, Wollstein A, Choi Y, Zuniga SB, Ralf A, Vermeulen M, de Knijff P, **Kayser M**. Rapidly mutating Y-STRs: Expanding the application of the Y-chromosome for forensic science. 24th World Congress of the International Society of Forensic Genetics, 29.08.-03.09.2011, Vienna, Austria
12) Visser M, Zubakov D, Ballantyne KN, **Kayser M**. mRNA based skin identification. 24th World Congress of the International Society of Forensic Genetics, 29.08.-03.09.2011, Vienna, Austria
13) Zubakov D, Liu F, Choi Y, van IJken WFJ, Oostra B, van Duijn CM, Lewin J, **Kayser M**. mRNA expression and DNA methylation biomarkers for estimating chronological age from blood. 24th World Congress of the International Society of Forensic Genetics, 29.08.-03.09.2011, Vienna, Austria
14) Pugach I, Delfin F, Gunnarsdo´ttir E, Wollstein A, **Kayser M**, Reich D, Stoneking M._A genetic record of Australian Aborigines based on large-scale genotyping data. SMBE 2011 – Annual Meeting of the Society for Molecular Biology and Evolution, 26-30.07.2011, Kyoto University, Japan
15) Ackermann K, Revell VL, Lao O, Rombouts EJ, Skene DJ, **Kayser M**. Acute sleep deprivation affects diurnal rhythmicity in granulocytes. Gordon Research Conference on Chronobiology, 12-17.06.2011, Lucca (Barga), Italy
16) Visser M, **Kayser M**, Palstra R-J. The human pigmentary phenotype and transcriptional regulation of the human OCA2 gene. 8th Dutch Chromatin Meeting, 26.10.2010, Leiden, The Netherlands
17) Ballantyne K, Goedbloed M, Choi Y, Fang R, Furtado MR, **Kayser M**. Moving from male lineage characterization to male individual identification using Y-chromosome DNA analysis. 23rd World Congress International Society for Forensic Genetics, 15.-18.09.2009, Buenos Aires, Argentina
18) Pugach I, Matveyev R, López Herráez D, Bauchet M, Nurnberg P, **Kayser M**, and Stoneking M. A genetic record of Australian Aborigines based on large-scale genotyping data. 20th International Congress of Genetics, 12.-17.07.2008, Berlin, Germany
19) Lao O, Lu TT, Nothnagel M, Junge O, Freitag-Wolf S, Caliebe A, Krawczak M, and **Kayser M** with collaborators. Ascertaining ancestry sensitive markers for investigating geographic differentiation in the European continent. 20th International Congress of Genetics, 12.-17.07.2008, Berlin, Germany
20) Liebrechts-Akkerman G, van Duijn K, Ooms AHAG, Lao L, Jaddoe VWV, van Duijn CM, Hofman A, de Jonge GA, de Krijger RR, **Kayser M**. Genetic predisposition of SIDS in the Netherlands. 10th International SIDS Conference 2008, 23- 26.06.2008, Portsmouth, UK
21) Lao O, Aulchenko Y, **Kayser M**. In silico genome-wide association mapping of complex traits. Annual Meeting of the Society for Molecular Biology and Evolution, 05.-08.06.2008, Barcelona, Spain
22) Delfin FC, De Ungria MCA, Salvador JM, Calacal GC, Perdigon HB, Tabbada KA, Villamor LP, Halos SC, Xu S, Li J, Gunnarsdottir E, **Kayser M**, Stoneking M and Hurles ME. Y-chromosome genetic affinities of nine Filipino ethno-linguistic groups. Annual Meeting of the Society for Molecular Biology and Evolution, 05.-08.06.2008, Barcelona, Spain
23) Corach D, Lao O, Bobillo C, Zimmermann M, Vermeulen M, van der Gaag K, Parson W, de Knijff P, **Kayser M**. Building bricks in unveiling human population history and dynamics of extant Argentina using a multifocal genetic approach. 2nd International Conference DNA in Forensics together with the 6th International Forensic Y-User Workshop and the 3rd EMPOP Meeting, 27-30.05.2008, Ancona, Italy
24) Myles S, Blass T, Oerlecke I, **Kayser M**, Stoneking M. Human mtDNA variation in the Solomon Islands. International EMBO Workshop "Human evolution and disease", 6-9.12.2006, Hyderabad, India
25) Lu TT, Krawczak M, Schreiber S, Lao O, **Kayser M** (on behalf of the Affymetrix 500K population diversity project). The Affymetrix 500K control project and beyond: Chip-based assessment of European genetic diversity. 5th Annual Meeting of the National Genome Research Network Germany (NGFN), 25-26.11.2006, Heidelberg, Germany
26) **Kayser M**, Cordaux R, Underhill PA, Trent R, and Stoneking M. Melanesian and Asian origins of Polynesians as revealed by Y chromosome and mtDNA analysis. Language and Genes an

Interdisciplinary Conference. 08–10.09.2006 University of California at Santa Barbara, Santa Barbara, U.S.A.

27) Myles S, Hradetzky E, **Kayser M**, Stoneking M. The signature of positive selection on diabetes-associated SNPs in Polynesians. 4th Annual Meeting of the National Genome Research Network Germany (NGFN), 19-20.11.2005, Bonn, Germany
28) Rodig H, Willuweit S, Brauer S, Groß A, Weidlich S, Stenzl V, Nagy M, **Kayser M**, Roewer L. The male genetic history of Sorbs – a Slavic island population in Germany. 21st International Congress of the International Society of Forensic Genetics, 13.09.-17.09.2005, Ponta Delgada, Azores, Portugal
29) Souto L, Rocha PM, Pires A, Ferreira E, **Kayser M**, Amorim A, Corte-Real F, Vieira DN. Mitochondrial DNA variability in populations from East Timor. 21st International Congress of the International Society of Forensic Genetics, 13.09.-17.09.2005, Ponta Delgada, Azores, Portugal
30) Kersbergen P, JK van Duijn, de Leeuw WJF, den Dunnen JT, Kloosterman AD, **Kayser M**, de Knijff P. Finding needles in a haystack: selecting ancestry informative markers through bulk analyses. European Human Genetics Conference 2005, 07-10.05.2005, Prague, Czech Republic
31) Hughes DA, **Kayser M**, and Stoneking M. Determining if local selection has influenced a candidate gene identified by a genome scan. The 6th International Meeting on Single Nucleotide Polymorphism and Complex Genome Analysis, 20.-23.11.2003, Chantilly, Virginia, USA
32) Erler A, Stoneking M, and **Kayser M**. New Y-chromosomal microsatellite markers in non-human primates as identified by cross-species amplification. 8. International Congress of the Society of Primatology, 1.-4.10.2003, Leipzig, Germany
33) Schmidt U, Meier N, and **Kayser M**. Y-chromosomal SNP and STR analysis in a population sample of southwest Germany. International Symposium on Forensic DNA Technology, 19-20.09.2003 / 82. Annual Meeting of the German Society of Legal Medicine, 17.-20.09.2003, Münster, Germany
34) Seiberling S, **Kayser M**, Lignitz E, Poetsch M. First Y-SNP data from northeast Germany. International Symposium on Forensic DNA Technology, 19-20.09.2003 / 82. Annual Meeting of the German Society of Legal Medicine, 17.-20.09.2003, Münster, Germany
35) Pakendorf, B, Tarskaya L, Morar B, **Kayser M**, Soodyall H, and Rodewald A. Attempting to uncover the origins of the Sakha – an unsolved mystery. Cold Spring Harbor Meeting on Human Origin & Disease, 25.-29.10.2000, Cold Spring Harbor, New York, USA
36) **Kayser M**, Nagy M, Geserick G, and Roewer L. Mutations at human Y-chromosomal microsatellite loci: results and consequences for forensic applications. 4th European Research Conference on Inherited Disorders and their Genes in Different Human Populations, 06.-10-05.1999, Obernai (Straßbourg), France
37) **Kayser M**, Redd A, Schiefenhövel W, and Stoneking M. Combined Y-chromosomal DNA analysis of human populations from Asia-Oceania. Cold Spring Harbor Meeting on Human Evolution, 21.-25.04.1999, Cold Spring Harbor, New York, USA
38) Roewer L and **Kayser M** & The Forensic Y User Group: Pilot project of a national Y-STR haplotype database for forensic application. 5th International DNA Fingerprinting Conference, 17.-22.01.1999, Grahamstown, South Afrika
39) **Kayser M**, Forster P, Meyer E, Brinkmann B, Roewer L, de Knijff P, and Stoneking M. Extraordinary mutations at the human Y-chromosomal microsatellite locus DYS390 in Australasia and their use for investigating male population history. NATO Advanced Study Institute Meeting on Genes, Fossils and Behavior: an Integrated Approach to Human Evolution, 02.-15.09.1998, Cambridge, England
40) Pandya A, Santos FR, Zerjal T, **Kayser M**, Roewer L, Evgrafov OV, Mitchell RJ, Sajantila A, and Tyler-Smith C. The use of Y-chromosomal DNA haplotypes to investigate human population history. HUGO-Conference - Human Genome Variation in Europe, 12.-16.09.1997, Helsinki, Finland
41) Zerjal T, Santos FR, Pandya A, Dashnyam B, Evgrafov OV, Jobling M, **Kayser M**, and Tyler-Smith C. Use of combined Y-chromosomal point mutation and microsatellite haplotypes to investigate male migration in Asia and Europe. 3rd International HUGO Single Chromosome Workshop on the Y Chromosome, 13.-16.04.1997, Heidelberg, Germany, Abstract in *Human Genome Data Base* (GDB), Assesion Number CIT 766003, *Cytogenetics and Cell Genetics* 79: 1-20
42) **Kayser M**, Roewer L, Tyler-Smith C, and de Knijff P with collaborators. Genetic variation at Y-chromosomal microsatellite loci. 3rd International HUGO Single Chromosome Workshop on the Y

Chromosome, 13.-16.04.1997, Heidelberg, Germany, Abstract in *Human Genome Data Base* (GDB), Accession Number CIT 765978, *Cytogenetics and Cell Genetics* 79: 1-20

43) De Knijff P, Roewer L, **Kayser M**, and Bakker EB. Chromosome Y microsatellites and their use in determining population affinities. 46th Annual Meeting of the American Society of Human Genetics, 29.10.-02.11.1996, San Francisco, USA, Abstract in: *American Journal of Human Genetics* 1996, 59 (4) (suppl.)

44) **Kayser M**, Zerjal T, Tyler-Smith C, de Knijff P, and Roewer L. Y-chromosomal markers in molecular Anthropology. 2nd Congress of the German Society of Anthropology, 03.06.10.1996, Berlin, Germany

45) Penacino G, **Kayser M**, Sala A, Roewer L, and Corach D. Y chromosome specific STRs attributes on different ethnic groups. 9th International Congress of Human Genetics, 18.23.08.1996, Rio de Janeiro, Brazil

46) Roewer L and **Kayser M**. Haplotyping the human Y chromosome by 5 different microsatellite markers. 3rd International DNA Fingerprinting Conference, 12.-16.12.1994, Hyderabad, India

Contributions to public science events: 8

1) **Kayser M** (A. Vidaki) Crime scene investigation in a hotel suite. Erasmus University Rotterdam Science Hotel / Science Open, Nhow Hotel Rotterdam, 28.-29.09.2018, Rotterdam, Netherlands
2) **Kayser M.** Wie unsere Gene unser Aussehen bestimmen und die Nutzung in Anthropologie und Forensik. Vortragsreihe „Wissenschaft fuer jedermann", Deutsches Museum, 16.03.2016, Muenchen, Germany
3) **Kayser M.** DNA ancestry. New Horizons Festival, Science Festival Erasmus MC / Erasmus University, 26.09.2014, Rotterdam, The Netherlands
4) **Kayser M.** Genetisch sind wir all gleich, nur manche die sind gleicher. Genetische Variabilität von Menschen und Bevölkerungen, Evolution Hautnah. Haus der Wissenschaft, 02.12.2010, Braunschweig, Germany
5) **Kayser M.** The migration of Homo sapiens out of Africa and his genetic relationship to Neanderthals and chimpanzee, Genootschapscollege 2009 "Het belang van de ontdekking van het DNA…", Koninklijk Zeeuwsch Genootschap der Wetenschappen, Lecture Series 2009 "The relevance of the discovery of DNA", 09.10.2009, Middelburg, The Netherlands
6) **Kayser M** (with P. de Knijff) We are family", Erasmus MC Junior Science Workshop on human evolutionary genetics. 08.11.2007, Rotterdam, The Netherlands
7) **Kayser M** CSI Rotterdam: facts and fiction of forensic DNA-Analysis. Science Café Rotterdam, 29.10.2007, Rotterdam, The Netherlands
8) **Kayser M** Television Talk Show "Hart aber Fair" of the WDR Fernsehen. Title: DNA test: Horrorvision oder Wunderwaffe, 19.01.2005, Berlin, Germany

Various features in public science journal, newspapers, public journals, radio and tv:

e.g. Nature (UK), Science (USA), Financial Times (USA), Times (UK), New York Times (USA), New Scientist (UK), The Australian (Australia), NRC Handelsblad (Netherlands), Volkskrant (Netherlands), Trouw (Netherlands), Allgemeene Dagblatt (Netherlands), Quest (Netherlands), Neue Zuericher Zeitung (Switzerland), Magazin (Switzerland), Frankfurter Allgemeine Zeitung (Germany), Frankfurter Allgemeine Sonntagszeitung (Germany), Frankfurter Rundschau (Germany), Berliner Zeitung (Germany), Tagesspiegel (Germany) Sueddeutsche Zeitung (Germany), Rheinische Post (Germany), Westdeutsche Allgemeine Zeitung (Germany), Stuttgarter Zeitung (Germany), Baadische Zeitung (Germany), Die Zeit (Germany), Der Spiegel (Germany), Spiegel Online (Germany), Focus (Germany), Stern (Germany), Muy Interesante (Spain), In Flight Magazine Croatian Airlines (Croatia), BBC Worldservice (UK), BBC News (UK), Deutschlandradio Kultur (Germany), Deutschlandfunk (Germany), Deutsche Welle (Germany), Westdeutscher Rundfunk (Germany), Radio Rijnmond (Netherlands), Bayerisches Fernsehen (Germany), RTL Aktuell (Germany), Spiegel TV (Germany), SAT1 (Germany) Erstes Deutsches Fernsehen ARD (Germany), Zweites Deutsches Fernsehen ZDF (Germany), ARTE (Germany / France), Schweizer Fernsehen (Switzerland), Swedish Television (Sweden), TV Rotterdam-Rijnmond (Netherlands), NPO3 (Netherlands) etc.

Numerous pick-ups of press releases worldwide.