

## Servicio de Huellas Digitales Genéticas

### Trabajos Publicados

#### 2026

Cell-Type-Dependent Expression of a Somatic Tri-allelic Pattern at D18S51 and Penta D: The Statistical Interpretation of Forensic Evidence in Sexual Assault Investigations. Sala, M. Caputo, C. Schatz, D. Corach, T. Egeland, F. Marsico. *Forensic Science International: Genetics*, Volume 82, 2026, 103425, ISSN 1872-4973, <https://doi.org/10.1016/j.fsigen.2026.103425>.

Candidiasis: a novel molecular differential diagnosis through real-time PCR followed by high-resolution thermal denaturation. Schatz CY, Taverna CG, Refojo N, Corach D, Sala A, Caputo M. *Diagn Microbiol Infect Dis.* [Volume 114, Issue 1](#), January 2026, 117058 doi: 10.1016/j.diagmicrobio.2025.117058

#### 2025

Advancing multiplex diagnostics: A novel framework for simultaneous detection of diverse pathogens using respiratory RNA viruses as a model system. M. Caputo; S. Ginart; L. Garrigos; D. Corach; F. Remes Lenicov; A. Sala. *Journal of Immunological Methods*. 113857. <https://doi.org/10.1016/j.jim.2025.113857>. [Abril 2025](#)

Statistical Interpretation of Cases Involving Mixtures: A Spanish and Portuguese-Speaking Working Group (GHEP-ISFG) Collaborative Exercise. Camila Costa, Juan Carlos Álvarez, Sofia Angeletti, Sebastian Biagini, Mariela Caputo, Eugenia Carnevali, María Ignacia Castillo, Sandra Cordoba, Simon Cortes Sierra, María de la Puente, Alejandra Guinudinik, Agustina Dorigón, Carina Merino Bedmar, Oscar García, Aline Minervino, Santiago Ginart, Cecilia Miozzo, Ana Mosquera-Miguel, Maria Eugenia Nicolotti, Martina Onofri, Leire Palencia Madrid, María Isabel Ramella, Viviana Rena, Andrea Sala, Bruno Trindade, Diana C. Vinueza-Espinosa, Leandro Nicolas Wirz, Lourdes Prieto, Nádia Pinto. *Forensic Science International: Genetics*, 2025, 103383, ISSN 1872-4973, <https://doi.org/10.1016/j.fsigen.2025.103383>.

#### 2024

Improving the efficiency of Y-chromosome detection and the quality of STR typing in forensic casework with an in-house made qPCR and HRM system based on SYTO™ 9 chemistry. Ginart, S., Garrigos Calivares, L., Caputo, M., Corach, D., & Sala, A. *Forensic science international*, 354, 111893. (2024) <https://doi.org/10.1016/j.forsciint.2023.111893>

Low-cost and simple PCR process for access to molecular diagnosis of HTLV-1/2 in low-resource countries. Ducasa, N., Domínguez, D., Benencio, P., Alfie, L., Etcheves, P., Scarton, G., Biglione, M., & Caputo, M. (2024). *Acta tropica*, 260, 107395. Advance online publication. <https://doi.org/10.1016/j.actatropica.2024.107395>

#### 2023

Detection of a novel 16.3 variant allele at locus DYS533 in R1b males inhabiting southern South America: a 19-nucleotide insertion explains its origin based on Sanger sequencing results. Andrea Sala, Miguel Marino, Alejandra Guinudinik, Valeria Marcucci, Hortensia Cano, Silvia Vannelli Rey, Cecilia Bobillo, Josefina Castagnola, Lucía Garrigós Calivares, Santiago Ginart, Mariela Caputo, Daniel Corach. *Forensic Science International: Genetics*. Volume 62, January 2023, 102789. <https://doi.org/10.1016/j.fsigen.2022.102789>

Three mutations at a Y-STR haplotype defy a paternal half-brothers kinship case analysis. Sala, A., Caputo, M. & Corach, D.. *Int J Legal Med* (2023). <https://doi.org/10.1007/s00414-023-03027-9>

Reference population database for 24 STR loci of selected provinces of Argentina Caputo M, Sala A, Corach D.. *Mol Biol Rep*. 2023 May 23. doi: 10.1007/s11033-023-08497-z. Epub ahead of print. PMID: 37219673.

## 2022

Social injustice unveiled by genetic analysis: Argentina as a case study. Corach, D., & Caputo, M. (2022).

*American journal of human biology : the official journal of the Human Biology Council*, e23820. Advance online publication. <https://doi.org/10.1002/ajhb.23820>

Development of a nested Real Time PCR/ High Resolution Melting assay for human T-cell lymphotropic viruses types 1 and 2 (HTLV-1 and 2) identification Caputo M, Trinks J, Azcurra M, Corach D.. *Lett Appl Microbiol*. 2022 May 30. doi: 10.1111/lam.13752. Epub ahead of print. PMID: 35634751.

## 2021

Ancestral genetic legacy of the extant population of Argentina as predicted by autosomal and X-chromosomal DIPs. Caputo M, Amador MA, Sala A, Riveiro Dos Santos A, Santos S, Corach D. *Mol Genet Genomics*. 2021 May;296(3):581-590. doi: 10.1007/s00438-020-01755-w. Epub 2021 Feb 13. PMID: 33580820.

A simple and rapid approach for human herpesvirus type 8 subtype characterization using single base extension. Hulaniuk ML, Corach D, Trinks J, Caputo M. *Lett Appl Microbiol*. 2021 Sep;73(3):308-317. doi: 10.1111/lam.13515. Epub 2021 Jun 11. PMID: 34048079

## 2020

DNA commission of the International Society of Forensic Genetics (ISFG): Recommendations on the interpretation of Y-STR results in forensic analysis. Roewer, L.aEmail Author, Andersen, M.M.b,c, Ballantyne, J.d, Butler, J.M.e, Caliebe, A.f, Corach, D.g,h, D'Amato, M.E.i, Gusmão, L.j,k,l, Hou, Y.m, de Knijff, P.n, Parson, W.o,p, Prinz, M.q, Schneider, P.M.r, Taylor, D.s,t, Vennemann, M.u, Willuweit, S.Forensic Science International: Genetics Volume 48, September 2020, Article number 102308

Genetic diversity and phylogeographic analysis of human herpesvirus type 8 (HHV-8) in two distant regions of Argentina: Association with the genetic ancestry of the population. Hulaniuk ML, Mojsiejczuk L, Jauk F, Remondegui C, Mammana L, Bouzas MB, Zapiola I, Ferro MV, Ajalla C, Blejer J, Alter A, Acevedo ME, Rodríguez E, Fernández R, Bartoli S, Volonteri V, Kohan D, Elsner B, Bürgesser MV, Reynaud AL, Sánchez M, González C, García Rivello H, Corach D, Caputo M, Trinks J. *Infect Genet Evol*. 2020 Nov;85:104523. doi: 10.1016/j.meegid.2020.104523. Epub 2020 Sep 3. PMID: 32890766.

## 2019

Human DNA degradation assessment and male DNA detection by quantitative-PCR followed by high-resolution melting analysis. S. Ginart, M. Caputo, D. Corach, A. Sala. *Forensic Science International* 295 (2019) 1–7.

Demand for larger Y-STR reference databases in ethnic melting-pot countries: Argentina as a test case. Mariela Caputo, A. Sala, D. Corach. *International Journal of Legal Medicine*. 2019  
<https://doi.org/10.1007/s00414-019-02012-5>.

Genetic structure of Mataco-Guaycurú speakers from Argentina and the extent of their genetic admixture with neighbouring urban populations. Sala A, Caputo M, Corach D.. *Sci Rep*. 2019 Nov 26;9(1):17559. doi: 10.1038/s41598-019-54146-6. PubMed PMID: 31772268

Reply to comment “A DNA extraction method of small quantities of bone for high-quality genotyping”. Caputo, M.a, Corach, D. “*Forensic Science International: Genetics* Volume 41, July 2019, Pages e18-e19.

Salty or sweet? Alternatives for bone preservation along extended periods of time. Caputo, M., Garrigos, L., Ginart, S., Corach, D. *Forensic Science International: Genetics Supplement Series* 2019.

Q1a3a native-American Y-haplogroup detection in DNA quantification step: A quick diagnosis for Y-chromosome database selection. Ginart, S. , Caputo, M., Corach, D., Sala, A. *Forensic Science International: Genetics Supplement Series* 2019.

Inferring the genetic structure of Northwestern Argentina by uniparental SNP typing  
Castagnola, J, Cano, H., Hulaniuk, M.L., Trinks, J., Corach, D., Caputo, M..*Forensic Science International: Genetics Supplement Series* 2019.

Species identification in routine casework samples using the SPInDel kit. Pereira, F., Alves, C., Couto, C., Díaz, L.L., Parra, D., Furfuro, S.d Aler, M.e Borrego, L.B., Olekšáková, T., Balsa, F., Sampaio, L., Porto, M.J.A., Costa, H.A., Voss, C.A., Caputo, M., Corach, D., García, Ó., Moro, S.P., Pereira, R., Amorim, A. *Forensic Science International: Genetics Supplement Series* 2019.

Single step strategy for estimating unknown STR allele frequencies in a population. Garrigós, L., Caputo, M. Corach, D. *Forensic Science International: Genetics Supplement Series* Volume 7, Issue 1, December 2019, Pages 732-734. [https://www.fsigeneticssup.com/article/S1875-1768\(19\)30016-2/fulltext](https://www.fsigeneticssup.com/article/S1875-1768(19)30016-2/fulltext)

## 2018

Historical records under the genetic evidence: “Chiriguano” tribe genesis as a test case.  
Andrea Sala, Mariela Caputo, Santiago Ginart, Graciela Theiler, María Laura Parolin,

A GHEP-ISFG collaborative study on the genetic variation of 38 autosomal indels for human identification in different continental populations R. Pereira, C. Alves, M. Aler, A. Amorim, C. Aréval, E. Betancor, D. Braganholi, M.L. Bravo, P. Brito, J.J. Builes, G. Burgos, E.F. Carvalho, A. Castillo, C.I. Catanesi, R.M.B. Cicarelli, P. Coufalova, P. Dario, M.E. D'Amato, S. Davison, J. Ferragut, M. Fondevila, S. Furfuro, O. García, A. Gaviria, I. Gomes, E. González, A. Gonzalez-Liñan, T.E. Gross, A. Hernández, Q. Huang, S. Jiménez, L.F. Jobim, A.M. López-Parra, M. Marino, S. Marques, G. Martínez-Cortés, V. Masciovecchio, D. Parra, G. Penacino, M.F. Pinheiro, M.J. Porto, Y. Posada, C. Restrepo, T. Ribeiro, L. Rubio, **A. Sala**, A. Santurtún, L.S. Solís, L. Souto, E. Streitemberger, A. Torres, C. Vilela-Lamego, J.J. Yunis, I. Yurrebaso, L. Gusmão. DOI: <http://dx.doi.org/10.1016/j.fsigen.2017.09.012> Reference: *Forensic Science International: Genetics* 32 (2018) 18–25.

GHEP-ISFG collaborative exercise on mixture profiles (GHEP-MIX06). Reporting conclusions: Results and evaluation. Barrio PA, Crespillo M, Luque JA, Aler M, Baeza-Richer C, Baldassarri L, Carnevali E, Coufalova P, Flores I, García O, García MA, González R, Hernández A, Inglés V, Luque GM, Mosquera-Miguel A, Pedrosa S, Pontes ML, Porto MJ, Posada Y, Ramella MI, Ribeiro T, Riego E, **Sala A**, Saragoni VG, Serrano A, Vannelli S. *Forensic Sci Int Genet.* 2018 Jul;35:156-163. doi: 10.1016/j.fsigen.2018.05.005. Epub 2018 May 18.

Reconstructing the Deep Population History of Central and South America. Posth, C.a, b, Email Author, Nakatsuka, N.c, d, Email Author, Lazaridis, I.c, Skoglund, P.c, e, Mallick, S.c, f, g, Lamnidis, T.C.a, Rohland, N.c, Nägele, K.a, Adamski, N.c, g, Bertolini, E.h, Broomandkhoshbacht, N.c, g, Cooper, A.i, Culleton, B.J.j, k, Ferraz, T.a, l, Ferry, M.c, g, Furtwängler, A.b, Haak, W.a, Harkins, K.m, Harper, T.K.j, Hünemeier, T.l, Lawson, A.M.c, g, Llamas, B.i, Michel, M.c, g, Nelson, E.a, b, Oppenheimer, J.c, g, Patterson, N.f, Schiffels, S.a, Sedig, J.c, Stewardson, K.c, g, Talamo, S.n, Wang, C.-C.a, o, Hublin, J.-J.n, Hubbe, M.p, q, Harvati, K.r, s, Nuevo Delaunay, A.t, Beier, J.r, Francken, M.r, Kaulicke, P.u, Reyes-Centeno, H.r, s, Rademaker, K.v, Trask, W.R.w, Robinson, M.x, Gutierrez, S.M.y, Prufer, K.M.z, aa, Salazar-García, D.C.n, ab, Chim, E.N.ac, Müller Plumm Gomes, L.l, Alves, M.L.ac, Liryo, A.ad, Inglez, M.l, Oliveira, R.E.l, ae, Bernardo, D.V.af, Barioni, A.ag, Wesolowski, V.ac, Scheifler, N.A.ah, Rivera, M.A.ai, aj, ak, Plens, C.R.al, Messineo, P.G.ah, Figuti, L.ac, Corach, D.am, Scabuzzo, C.an, Eggers, S.l, ao, DeBlasis, P.ac, Reindel, M.ap, Méndez, C.t, Politis, G.ah, Tomasto-Cagigao, E.u, Kennett, D.J.j, k, Strauss, A.l, r, ac, aq, Fehren-Schmitz, L.m, ar, Krause, J.a, b, Reich, D.c, f, g. *Cell* Volume 175, Issue 5, 15, Pages 1185-1197. e22. November 2018.

Americans show wide-spread Converso ancestry and imprint of local Native ancestry on physical appearance Chacón-Duque, J.-C.a, Adhikari, K.a, Fuentes-Guajardo, M.a, b, Mendoza-Revilla, J.a, c, Acuña-Alonzo, V.a, d, Barquera, R.d, e, Quinto-Sánchez, M.f, Gómez-Valdés, J.g, Everardo Martínez, P.h, Villamil-Ramírez, H.i, Hünemeier, T.j, Ramallo, V.k, l, Silva de Cerqueira, C.C.l, am, Hurtado, M.c, Villegas, V.c, Granja, V.c, Villena, M.m, Vásquez, R.n, Llop, E.o, Sandoval, J.R.p, Salazar-Granara, A.A.p, Parolin, M.-L.q, Sandoval, K.r, Peñalosa-Espinosa, R.I.s, Rangel-Villalobos, H.t, Winkler, C.A.u, Klitz, W.v, Bravi, C.w, Molina, J.x, Corach, D.y, Barrantes, R.z, Gomes, V.aa, ab, Resende, C.aa, ab, Gusmão, L.aa, ab, ac, Amorim, A.aa, ab, ad, Xue, Y.ae, Dugoujon, J.-M.af, Moral, P.ag, González-José, R.k, Schuler-Faccini, L.l, Salzano,

F.M.I, Bortolini, M.-C.I, Canizales-Quinteros, S.i, Poletti, G.c, Gallo, C.c, Bedoya, G.ah, Rothhammer, F.o.ai, Balding, D.a.aj, Hellenthal, G.aEmail Author, Ruiz-Linares, A.ak,. Latin. Nature Communications Open Access Volume 9, Issue 1, 1 December 2018, Article number 5388.

## 2017

Optimizing direct amplification of forensic commercial kits for STR determination. Caputo M, Bobillo MC, Sala A, Corach D(2017).. J Forensic Leg Med., 47:17-23. doi: 10.1016/j.jflm.2017.01.003. Epub 2017 Jan 25. PMID: 28235677.

Using long ssDNA polynucleotides to amplify STRs loci in degraded DNA samples. Mautner ME, Pérez Santángelo A, Corti Bielsa RM, Sala A, Ginart S, Corach D. (2017). PLoS One. P: e0187190. doi: 10.1371/journal.pone.0187190

Degraded DNA samples made informative by using superprimers. Mautner, M.E., Caputo, M., Corach, D. (2017). Forensic Science International: Genetics Supplement Series Volume 6, . Pages e448-e450

Measuring human DNA degradation and gender detection in forensic DNA samples by q-PCR/HRM analysis. Ginart, S., Caputo, M., Corach, D., Sala, A. (2017).. Forensic Science International: Genetics Supplement Series Volume 6, .Pages e552-e554

A compromising position for a variant: A new allele for D1S1656 that invades its neighbors and can lead to missinterpretations. Marcucci, V, Cano, H., Coggiola, L., Mautner, M.E., Sala, A., Corach, D.(2017). Forensic Science International: Genetics Supplement Series Volume 6, Pages e349-e350

Investigator® HDplex (Qiagen) reference population database for forensic use in Argentina. Martínez G, Borosky A, Corach D, Llull C, Locarno L, Lojo M, Marino M, Miozzo MC, Modesti N, Pacharoni C, Pilili JP, Ramella MI, Sala A, Schaller C, Vullo C, Toscanini U. Forensic Sci Int Genet. 2017 Jan;26:91-95 doi: 10.1016/j.fsigen.2016.10.009.

## 2016

Analysis of locus D9S1120 and its genetic admixture correlation in seven argentina native american ethnic groups. Caputo, M, Corach, D.(2016) American Journal of Human Biology. Volume 28, Issue 1, 1 .Pages 57-66

Analysis of uni and bi-parental markers in mixture samples: Lessons from the 22nd GHEP-ISFG Intercomparison Exercise. Forensic Sci Int Genet. Toscanini U, Gusmão L, Álava Narváez MC, Álvarez JC, Baldassarri L, Barbaro A, Berardi G, Betancor Hernández E, Camargo M, Carreras-Carbonell J, Castro J, Costa SC, Coufalova P, Domínguez V, Fagundes de Carvalho E, Ferreira STG, Furfuro S, García O, Goios A, González R, de la Vega AG, Gorostiza A, Hernández A, Jiménez Moreno S, Lareu MV, León Almagro A, Marino M, Martínez G, Miozzo MC, Modesti NM, Onofri V, Pagano S, Pardo Arias B, Pedrosa S, Penacino GA, Pontes ML, Porto MJ, Puente- Prieto J, Pérez RR, Ribeiro T, Rodríguez Cardozo B, Rodríguez Lesmes YM, Sala A, Santiago B, Saragoni VG, Serrano A, Streitenberger ER, Torres Morales MA, Vannelli Rey SA, Velázquez

Miranda M, Whittle MR, Fernández K, Salas A. (2016). Nov;25:63-72. doi: 10.1016/j.fsigen.2016.07.010.

Potential forensic use of a 33 X-InDel panel in the Argentinean population. Caputo M, Amador MA, Santos S, Corach D.(2016). Int J Legal Med. [Epub ahead of print] Review. PMID:27282766.

Development of a quantitation approach for total human and male DNA based on real time PCR followed by high resolution melting analysis. Santiago Ginart, Mariela Caputo, Evguenia Alechine, Daniel Corach, Andrea Sala. (2016).. Electrophoresis 00, 1–8.

## 2015

Development and validation of a human DNA quantification and sex determination approach based on real time PCR followed by high resolution melting analysis. S Ginart, E Alechine, M Caputo, H Cano, D Corach, A Sala. (2015) Forensic Science International: Genetics Supplement Series 5, e269-e271.

Analysis of the genetic structure of Santa Cruz province and its comparison with the other Southern Patagonian provinces of Argentina H Cano, S Ginart, M Caputo, D Corach, A Sala (2015). Forensic Science International: Genetics Supplement Series 5, e114-e115.

Systematic analysis of decadactylar subungueal genetic traces in murder cases. M Caputo, E Canónaco, D Corach (2015). Forensic Science International: Genetics Supplement Series 5, e414-e415.

Sample selection bias in an international DNA panel: Does Native American haplogroup Q-M3 has the b2/b3 deletion? Alechine E, Corach D. Genomics. (2015).;105(5-6):273-4.

Analysis of locus D9S1120 and its genetic admixture correlation in seven Argentina native American ethnic groups. Caputo M, Corach D.(2015). Am J Hum Biol. 2;28(1):57-66

Letter to the Editor: Hypothesis: Somatic Mosaicism and Parkinson Disease. Perandones C, Pellene LA, Giugni JC, Calvo DS, Raina GB, Cuevas SM, Mata IF, Zabetian CP, Caputo M, Corach D, Micheli FE, Radrizzani M. (2015) Exp Neurobiol. 24(2):173-5.

Influence of ethnicity on the distribution of genetic polymorphisms associated with risk of chronic liver disease in South American populations Pontoriero AC, Trinks J, Hulaniuk ML, Caputo M, Fortuny L, Pratz LB, Frías A, Torres O, Nuñez F, Gadano A, Argibay P, Corach D, Flichman D. (2015). BMC Genet. 29;16(1):93.

Admixture and genetic relationships of Mexican mestizos regarding Latin American and Caribbean populations based on 13 CODIS-STRs. Salazar-Flores, F. Zuñiga-Chiquete, R. Rubi-Castellanos, J.L. Alvarez-Miranda, A. Zetina-Hernández, V.M. Martínez-Sevilla, F. González-Andrade, D. Corach, C. Vullo, J.C. Alvarez, J.A. Lorente, P. Sanchez-Diz, R.J. Herrera, Ricardo M. Cerda-Flores, Hector Rangel-Villalobos. (2015). HOMO - Journal of Comparative Human Biology / 66(1):44-59.

## 2014

Analysis of admixture and genetic structure of two Native American groups of Southern Argentinean Patagonia. Andrea Sala, Daniel Corach. *Mol Biol Rep* (2014) 41:1533–1543

GHEP-ISFG collaborative exercise on mixture profiles of autosomal STRs (GHEP-MIX01, GHEP-MIX02 and GHEP-MIX03): Results and evaluation. M. Crespillo, P.A. Barrio, J.A. Luque, C. Alves, M. Aler, F. Alessandrini, L. Andrade, R.M. Barretto, A. Bofarull, S. Costa, M.A. Garcia, O. Garcia, A. Gaviria, A. Gladys, A. Gorostizam, A. Hernandez, M. Herrera, L. Hombreiro, A.A. Ibarra, M.J. Jimenez, G.M. Luque, P. Madero, B. Martinez-Jarreta, M.V. Masciovecchio, N.M. Modesti, F. Moreno, S. Pagano, S. Pedrosa, G. Plaza, E. Prat, J. Puente, F. Rendo, T. Ribeiro, A. Sala, E. Santamaria, V.G. Saragoni, M.R. Whittle. *Forensic Science International: Genetics* 10 (2014) 64–72

High-Throughput Screening for Spermatogenesis Candidate Genes in the AZFc Region of the Y Chromosome by Multiplex Real Time PCR Followed by High Resolution Melting Analysis. Alechine E, Corach D. *PLoS One*. 2014 May 14;9(5):e97227. doi: 10.1371/journal.pone.0097227. eCollection 2014. PubMed PMID: 24828879; PubMed Central PMCID: PMC4020812.

Distribution of genetic polymorphisms associated to Hepatitis C virus (HCV) antiviral response in a multiethnic and admixed population. Julieta Trinks, María Laura Hulaniuk, Mariela Caputo, Leandro Burgos Pratz, Viviana Ré, Lisandro Fortuny, Ana Pontoriero, Analía Frías, Oscar Torres, Félix Nuñez, Adrián Gadano, Daniel Corach, Diego Flichman. *The Pharmacogenomics Journal*. In Press, *The Pharmacogenomics Journal* (2014), 1–6.

A global analysis of Y-chromosomal haplotype diversity for 23 STR loci. Josephine Purps (+35), Daniel Corach, Mariela Caputo et. al. Lutz Roewer. *Forensic Science International Genetics* Accepted manuscript (unedited version) available online: 28-APR-2014 DOI information: 10.1016/j.fsigen.2014.04.008

## 2013

High-Throughput Genetic Data Gathering From Bone Samples Recovered from an Air Crash Site and Processed Using a Semi-Automated DNA Purification Platform. Corach Daniel, Cecilia Bobillo, Mariela Caputo, Andrea Sala, Evguenia Alechine, Maximiliano Irisarri, Enzo Canonaco and Cristian Rodriguez. Promega Corporation <http://content.promega.com/resources/articles/profiles-in-dna/2013/high-throughput-genetic-data-gathering-from-bonesamples-recovered-from-an-aircrash-site/> Updated 2013.

GHEP-ISFG proficiency test 2011: Paper challenge on evaluation of mitochondrial DNA results. L. Prieto, C. Alves, B. Zimmermann, A. Tagliabracci, V. Prieto, M. Montesino, M.R. Whittle, M.J. Anjos, S. Cardoso, B. Heinrichs, A. Hernandez, A.M. López-Parra, A. Sala, V.G. Saragoni, G. Burgos, M. Marino, M. Paredes, C.A. Mora-Torres, R. Angulo, G. Chemale, C. Vullo, M. Sánchez-Simón, D. Comas, J. Puente, C.M. López-Cubría, N. Modesti, M. Aler, S. Merigioli, E. Betancor, S. Pedrosa, G. Plaza, M.V. Masciovecchio, P.M. Schneider, W. Parson. *Forensic Science International: Genetics* 7 (2013) 10–15.

Continent-wide decoupling of Y-chromosomal genetic variation from language and geography in native South Americans. Lutz Roewer, Michael Nothnagel, Leonor Gusmão, Veronica Gomes, Miguel González, Daniel Corach, Andrea Sala, Evguenia Alechine, Teresinha Palha, Ney Santos, Andrea Ribeiro-dos-Santos, Maria Geppert, Sascha Willuweit, Marion Nagy, Sarah

Zweynert, Miriam Baeta, Carolina Núñez, Begoña Martínez-Jarreta, Fabrício González-Andrade, Elizeu Fagundes de Carvalho, Dayse Aparecida da Silva, Juan José Builes, Daniel Turbón, Ana Maria Lopez Parra, Eduardo Arroyo-Pardo, Ulises Toscanini, Lisbeth Borjas, Claudia Barletta, Elizabeth Ewarr, Sidney Santos, Michael Krawczak. *PLOS Genetics* PGENETICS-D-12-02273R2. April 2013, Volume 9, Issue 4, e1003460.

Native American Y-STR haplotyping: Its forensic relevance in Argentina. Sala A, Bobillo C, Caputo M, Martí MC, Alechine E, Corach D. , *Forensic Science International: Genetics Supplement Series* 4 (2013) e244–e245. <http://dx.doi.org/10.1016/j.fsigs.2013.10.125>.

Optimized mass fatalities victim identification: An airplane crash as a test case. Corach , A. Sala, C. Bobillo, M. Caputo, E. Alechine, M. Irisarri, M. Marino, E. Canonaco, C. Rodriguez. *Forensic Science International: Genetics Supplement Series* 4 (2013) e222–e223 , <http://dx.doi.org/10.1016/j.fsigs.2013.10.114>

A DNA extraction method of small quantities of bone for high-quality genotyping. Caputo M, Irisarri M, Alechine E, Corach D. *Forensic Sci Int Genet.* 2013 Sep;7(5):488-93. doi: 10.1016/j.fsigen.2013.05.002.

Male reproductive strategies in black and gold howler monkeys (*Alouatta caraya*). Oklander LI, Kowalewski M, Corach D. *Am J Primatol.* 2013 Sep 6. doi: 10.1002/ajp.22191.

Analysis of D216H Polymorphism in Argentinean Patients With Primary Dystonia. Caputo M, Irisarri M, Perandones C, Alechine E, Pellene LA, Roca CU, Micheli FE, Corach D. *J Neurogenet.* 2013 Feb 13. ISSN: 0167-7063 print/1563-5260 online  
DOI: 10.3109/01677063.2012.761697

Mosaicism of alpha-synuclein gene rearrangements: Report of two unrelated cases of early-onset parkinsonism". C. Perandones, J.C. Giugni, D.S. Calvo, G.B. Raina, L. De Jorge Lopez, V. Volpini, C.P. Zabetian, I.F. Mata, M. Caputo, D. Corach, M. Radrizzani, F.E. Micheli. *Parkinsonism & Related Disorders.* Available online 27 November 2013. In Press, Accepted Manuscript.

## 2012

Aerobic degradation of 3-chlorobenzoic acid by an indigenous strain isolated from a polluted river. Gallego, A. , Gemini, V.L., Rossen, A.A., Rossi, S.L., Trípodí, V., Corach, D., Planes, E., Korol, S.E. *World Journal of Microbiology and Biotechnology.* 2012 March; Volume 28 (3):1245-1252.

Rapid coastal spread of First Americans: Novel insights from South America's Southern Cone mitochondrial genomes. Martin Bodner, Ugo A. Perego, Gabriela Huber, Liane Fendt, Alexander W. Roßck, Bettina Zimmermann, Anna Olivieri, Alberto Gómez-Carballea, Hovirag Lancioni, Norman Angerhofer, Maria Cecilia Bobillo, Daniel Corach, Scott R. Woodward, Antonio Salas, Alessandro Achilli, Antonio Torroni, Hans-Jürgen Bandelt, and Walther Parson. 2012 February. *Genome Res.* 2012 May;22(5):811-20.

Reconstructing Native American population history . Reich, D., Patterson, N., Campbell, D., Tandon, A., Mazieres, S., Ray, N., Parra, M.V., Rojas, W., Duque, C., Mesa, N., García, L.F., Triana, O., Blair, S., Maestre, A., Dib, J.C., Bravi, C.M., Bailliet, G, Corach, D., Hünemeier, T., Bortolini, M.C., Salzano, F.M., Petzl-Erler, M.L., Acuña-Alonzo, V., Aguilar-Salinas, C.,

Canizales-Quinteros, S., Tusié-Luna, T., Riba, L., Rodríguez-Cruz, M., Lopez-Alarcón, M., Coral-Vazquez, R., Canto-Cetina, T., Silva-Zolezzi, I., Fernandez-Lopez, J.C., Contreras, A.V., Jimenez-Sanchez, G., Gómez-Vázquez, M.J., Molina, J., Carracedo, A., Salas, A., Gallo, C., Poletti, G., Witonsky, D.B., Alkorta-Aranburu, G., Sukernik, R.I., Osipova, L.aa, Fedorova, S.A. Vasquez, R., Villena, M., Moreau, C., Barrantes, R., Pauls, D., Excoffier, L.agah, Bedoya, G., Rothhammer, F., Dugoujon, J.-M., Larrouy, G., Klitz, W., Labuda, D., Kidd, J. I, Kidd, K., Di Rienzo, A., Freimer, N.B., Price, A.L., Ruiz-Linares, A. 16 August 2012. *Nature*. 2012 Aug 16;488(7411):370-4.

Arrival of Paleo-Indians to the southern cone of South America: new clues from mitogenomes. Saint Pierre M, Gandini F, Perego UA, Bodner M, Gómez-Carballa A, Corach D, Angerhofer N, Woodward SR, Semino O, Salas A, Parson W, Moraga M, Achilli A, Torroni A, Olivieri A. *PLoS One*. 2012;7(12):e51311. doi: 10.1371/journal.pone.0051311. Epub 2012 Dec 11.

## 2011

Long-term room temperature preservation of corpse soft tissue: an approach for tissue sample storage. Mariela Caputo, Luis A Bosio and Daniel Corach. *Investig Genet*. 2011 Aug 16;2:17. doi: 10.1186/2041-2223-2-17. PubMed PMID: 21846338; PubMed Central PMCID: PMC3170604.

Rapid Screening for Native American Mitochondrial and Y-Chromosome Haplogroups Detection in Routine DNA Analysis. Zuccarelli G., Evguenia Alechine, Mariela Caputo, Cecilia Bobillo, Daniel Corach and Andrea Sala. En prensa. *Forensic Sci Int Genet*. 2011 March 27. Volume 5(2): 105-102.

Genetic analysis of 10 X-STRs in Argentinian population. Bobillo, C., Sala, A., Gusmão, L., Corach, D. *Forensic Science International: Genetics*. 2011 January; Volume 5 (1):14-16.

Y-Chromosome variation in hominids: intraspecific variation is limited to the polygamous chimpanzee. Greve G, Alechine E, Pasantes JJ, Hodler C, Rietschel W, Robinson TJ, Schempp W. *PLoS One*. 2011;6(12):e29311. doi:10.1371/journal.pone.0029311. Epub 2011 Dec 27. PubMed PMID: 22216243; PubMed.

## 2010

Amerindian Mitochondrial DNA Haplogroups Predominate in the Population of Argentina: towards a first nationwide mitochondrial DNA sequence database Bobillo Maria Cecilia, Bettina Zimmermann, Andrea Sala, Gabriela Huber, Alexander Röck, Hans-Jürgen Bandelt, Daniel Corach, Walther Parson.. *Int J Legal Med* (2010) 124:263–268.

Genetic analysis of six communities of Mbyá-Guaraní inhabiting North Eastern Argentina by means of nuclear and mitochondrial polymorphic markers. Sala A , C. F. Argüelles, M.E. Marino, C. Bobillo, A. Fenocchio and D. Corach. *Human Biology* Agosto 2010, 82:4. (1-35).

Inferring Continental Ancestry of Argentineans from Autosomal, Y-Chromosomal and Mitochondrial DNA Daniel Corach, Oscar Lao, Cecilia Bobillo, Kristiaan van Der Gaag, Sofia Zuniga, Mark Vermeulen, Kate van Duijn, Miriam Goedbloed, Peter M. Vallone, Walther Parson, Peter de Knijff and Manfred Kayser.. *Annals of Human Genetics* (2010) 74,65–76

The initial peopling of the Americas: a growing number of founding mitochondrial genomes from Beringia. Perego UA, Angerhofer N, Pala M, Olivieri A, Lancioni H, Kashani BH, Carossa V, Ekins JE, Gómez-Carballa A, Huber G, Zimmermann B, Corach D, Babudri N, Panara F, Myres NM, Parson W, Semino O, Salas A, Woodward SR, Achilli A, Torroni A. *Genome Res.* 2010 Sep;20(9):1174-9.

## 2009

A GEP-ISFG collaborative study on the optimization of an X-STR decaplex: data on 15 Iberian and Latin American populations. Gusmão L, Sánchez-Diz P, Alves C, Gomes I, Zarrabeitia MT, Abovich M, Atmetlla I, Bobillo C, Bravo L, Builes J, Cainé L, Calvo R, Carvalho E, Carvalho M, Cicarelli R, Catelli L, Corach D, Espinoza M, García O, Malaghini M, Martins J, Pinheiro F, João Porto M, Raimondi E, Riancho JA, Rodríguez A, Rodríguez A, Rodríguez Cardozo B, Schneider V, Silva S, Tavares C, Toscanini U, Vullo C, Whittle M, Yurrebaso I, Carracedo A, Amorim A. *Int J Legal Med* (2009) 123:227–234

Mitochondrial DNA control region sequence analysis of Mataco–Guaicuru-speaking tribes from Argentina. Andrea Sala, Evguenia Alechine, Cecilia Bobillo, Luciano J. Merini, Carmen G. Ayala, Juan C. Acosta Ferreira, Daniel Corach. *Forensic Science International: Genetics Supplement Series 2* (2009) 331–333.

Genetic analysis of 10 X-STRs in Argentinian population. Bobillo C., Sala A, Gusmao, Corach D. *Forensic science international. Genetics*, 2009, 23-27

Update of an on-line autosomal STR and Y-STR reference database of Argentina. Evguenia Alechine, Miguel Marino, Andrea Sala, Maria Cecilia Bobillo, Mariela Caputo and Daniel Corach. *Forensic Science International: Genetics Supplement Series. Volume 2, Issue 1* 2009, 382-383

Forensic analysis of dog (*Canis lupus familiaris*) mitochondrial DNA sequences: An inter-laboratory study of the GEP-ISFG working group. B. van Asch, C. Albarran, A. Alonso, R. Angulo, C. Alves, E. Betancor, C. Catanesi, D. Corach, M. Crespillo, C. Doutremepuich, A. Estonba, A. Fernandes, E. Fernandez, .Garcia, M.P. Gilardi, R. Goncalves, A. Hernandez, G. Lima, E. Nascimento, M. de Pancorbo, D. Parra, M.F. Pinheiro, E. Prat, J. Puente, J. Ramirez, F. Rendo, I. Rey, F. Di Rocco, A. Rodriguez, A. Sala, J. Salla, J. Sanchez, D. Sola, S. Silvam, J. Pestano Brito, A. Amorim. *Forensic Science International: Genetics 4* (2009) 49–54.

Phytoremediation potential of the novel atrazine tolerant *Lolium multiflorum* and studies on the mechanisms involved. Merini L., Bobillo C., Cuadrado V., Corach D., Giuliatti AM. *Environmental pollution 157* (2009) 3059-3063.

## 2008

Inferring genetic sub-structure in the population of Argentina using fifteen microsatellite loci. Miguel Marino, Andrea Sala, Cecilia Bobillo, Daniel Corach. *Forensic Science International: Genetics Supplement Series 1* (2008) 350–352

X-STRs: Relevance in complex kinship cases

Cecilia Bobillo, Miguel Marino, Andrea Sala, Leonor Gusmão, Daniel Corach. *Forensic Science International: Genetics Supplement Series 1* (2008) 496–498

Results of the GEP-ISFG collaborative study on an X-STR Decaplex. L. Gusmao, C. Alves , P. Sanchez-Diz, M.T. Zarrabeitia, M.A. Abovich, I. Aragon , B. Arce, G. Arrieta, E. Arroyo, I. Atmetlla, C. Baeza, M.C. Bobillo, L. Caine, R. Campos, L. Caraballo , E. Carvalhol, M. Carvalho, R.M.B. Cicarelli, D. Comas, D. Corach , M. Espinoza , et al Forensic Science International: Genetics Supplement Series 1 (2008) 677–679.

Two simultaneous hepatitis B virus epidemics among injecting drug users and men who have sex with men in Buenos Aires, Argentina: characterization of the first D/A recombinant from the American continent. Trinks J, Cuestas ML, Tanaka Y, Mathet VL, Minassian ML, Rivero CW, Benetucci JA, Gimenez ED, Segura M, Bobillo MC, Corach D, Ghiringhelli PD, Sánchez DO, Avila MM, Peralta LA, Kurbanov F, Weissenbacher MC, Simmonds P, Mizokami M, Oubiña JR. J Viral Hepat. 2008 Nov;15(11):827-38.

2006 GEP-ISFG collaborative exercise on mtDNA: reflections about interpretation, artefacts, and DNA mixtures. Prieto L, Alonso A, Alves C, Crespillo M, Montesino M, Picornell A, Brehm A, Ramírez JL, Whittle MR, Anjos MJ, Boschi I, Buj J, Cerezo M, Cardoso S, Cicarelli R, Comas D, Corach D, Doutremepuich C, Espinheira RM, Fernández-Fernández I, Filippini S, Garcia- Hirschfeld J, González A, Heinrichs B, Hernández A, Leite FP, Lizarazo RP, López-Parra AM, López-Soto M, Lorente JA, Mechoso B, Navarro I, Pagano S, Pestano JJ, Puente J, Raimondi E, Rodríguez-Quesada A, Terra-Pinheiro MF, Vidal-Rioja L, Vullo C, Salas A. Forensic Sci Int Genet. 2008 Mar;2(2):126-33.

## 2007

Analysis of body fluid mixtures by mtDNA sequencing: An inter-laboratory study of the GEP-ISFG working group. Montesino M, Salas A, Crespillo M, Albarran C, Alonso A, Alvarez-Iglesias V, Cano JA, Carvalho M, Corach D, Cruz C, Di Lonardo A, Espinheira R, Farfan MJ, Filippini S, Garcia-Hirschfeld J, Hernandez A, Lima G, Lopez-Cubria CM, Lopez-Soto M, Pagano S, Paredes M, Pinheiro MF, Rodriguez-Monge AM, Sala A, Sonora S, Sumita DR, Vide MC, Whittle MR, Zurita A, Prieto L. Forensic Sci Int. 2007 May 3;168(1):42-56.

Genetic attributes of the YHRD minimal haplotype in 10 provinces of Argentina. Marino M, Sala A, Corach D. Forensic Sci Int Genet. 2007 Jun;1(2):129-33..

Isolation, characterization and evaluation of 11 autosomal STRs suitable for population studies in black and gold howler monkeys *Alouatta caraya* Luciana I . Oklander, Gabriel E. Zunino, Anthony Di Fiore, Daniel Corach. Molecular Ecology Notes (2007)7 , 117–120

## 2006

Genetic analysis of the populations from Northern and Mesopotamian provinces of Argentina by means of 15 autosomal STRs. Marino M, Sala A, Corach D. Forensic Sci Int. 2006 Jul 13;160(2-3):224-30. Epub 2005 Aug 31

Population genetic analysis of 15 autosomal STRs loci in the central region of Argentina. Marino M, Sala A, Corach D. Forensic Sci Int. 2006 Aug 10;161(1):72-7. Epub 2005 Sep 26.]

Results of the 2003-2004 GEP-ISFG collaborative study on mitochondrial DNA: focus on the mtDNA profile of a mixed semen-saliva satín Crespillo M, Paredes MR, Prieto L, Montesino M, Salas A, Albarran C, Alvarez-Iglesias V, Amorin A, Berniell-Lee G, Brehm A, Carril JC, Corach D, Cuevas N, Di Lonardo AM, Doutremepuich C, Espinheira RM, Espinoza M, Gomez F, Gonzalez A, Hernandez A, Hidalgo M, Jimenez M, Leite FP, Lopez AM, Lopez-Soto M, Lorente JA, Pagano S, Palacio AM, Pestano JJ, Pinheiro MF, Raimondi E, Ramon MM, Tovar F, Vidal-Rioja L, Vide MC, Whittle MR, Yunis JJ, Garcia-Hirschfel J. *Forensic Sci Int.* 2006 Jul 13;160(2-3):157-67. Epub 2005 Oct 21.

Analysis of mtDNA mixtures from different fluids: An inter-laboratory study Progress in Forensic Genetics II, *International Congress Series, Volume 1288, April 2006, Pages 130-132* Elsevier Eds. M. Montesino, A. Salas, M. Crespillo, C. Albarrán, A. Alonso, V. Álvarez-Iglesias, J.A. Cano, M. Carbalho, D. Corach, C. Cruz *et al.*

On-line autosomal and Y-STR reference database of Argentina. Miguel Marino, Andrea Sala and Daniel Corach. Progress in Forensic Genetics II, *International Congress Series, Volume 1288, April 2006, Pages 130-132* Elsevier Eds. *Volume 1288, April 2006, Pages 195-197*

Relevant genetic contribution of Amerindian to the extant population of Argentina. Daniel Corach, Miguel Marino and Andrea Sala. Progress in Forensic Genetics II, *International Congress Series, Volume 1288, April 2006, Pages 130-132* Elsevier Eds., *Volume 1288, April 2006, Pages 397-399*

Unusual naturally occurring humoral and cellular mutated epitopes of hepatitis B virus in a chronically infected argentine patient with anti-HBs antibodies. Cuestas ML, Mathet VL, Ruiz V, Minassian ML, Rivero C, Sala A, Corach D, Alessio A, Pozzati M, Frider B, Oubina JR. *J Clin Microbiol.* 2006 Jun;44(6):2191-8.

Phylogenetic relationships of *Deschampsia antarctica* (Poaceae): Insights from nuclear ribosomal ITS. D. P. Fernandez Souto, S. A. Catalano, D. Tosto, P. Bernasconi, A. Sala, M. Wagner, and D. Corach. *Pl. Syst. Evol.* 261: 1-9 (2006) Springer-Verlag Austria.

Evaluación de la Correlación Entre Atributos Genéticos y Apellidos: Características de STRs Autosómicos en Individuos con Apellido Mapuche y Europeos Andrea Sala, Miguel Eduardo Marino, María Cecilia Bobillo, Daniel Corach., *Revista Argentina de Antropología Biológica* 8(1): 9-21. 2006.

Detection of hepatitis B virus (HBV) genotype E carried--even in the presence of high titers of anti-HBs antibodies--by an Argentinean patient of African descent who had received vaccination against HBV. Mathet VL, Cuestas ML, Ruiz V, Minassian ML, Rivero C, Trinks J, Daleoso G, León LM, Sala A, Libellara B, Corach D, Oubiña JR. *J Clin Microbiol.* 2006 Sep;44(9):3435-9.

## 2005

Mitochondrial DNA error prophylaxis: assessing the causes of errors in the GEP'02-03 proficiency testing trial. Salas A, Prieto L, Montesino M, Albarran C, Arroyo E, Paredes-Herrera MR, Di Lonardo AM, Doutremepuich C, Fernandez-Fernandez I, de la Vega AG, A Ives C,

Lopez CM, Lopez-Soto M, Lorente JA, Picornell A, Espinheira RM, Hernandez A, Palacio AM, Espinoza M, Yunis JJ, Perez-Lezaun A, Pestano JJ, Carril JC, Corach D, Vide MC, Alvarez- Iglesias V, Pinheiro MF, Whittle MR, Brehm A, Gomez J. *Forensic Sci Int.* 2005 Mar 10;148(2- 3):191-8.

Mutation rates at Y chromosome specific microsatellites. Gusmao L, Sanchez-Diz P, Calafell F, Martin P, Alonso CA, Alvarez-Fernandez F, Alves C, Borjas-Fajardo L, Bozzo WR, Bravo ML, Builes JJ, Capilla J, Carvalho M, Castillo C, Catanesi CI, Corach D, Di Lonardo AM, Espinheira R, Fagundes de Carvalho E, Farfan MJ, Figueiredo HP, Gomes I, Lojo MM, Marino M, Pinheiro MF, Pontes ML, Prieto V, Ramos-Luis E, Riancho JA, Souza Goes AC, Santapa OA, Sumita DR, Vallejo G, Vidal Rioja L, Vide MC, Vieira da Silva CI, Whittle MR, Zabala W, Zarrabeitia MT, Alonso A, Carracedo A, Amorim A. *Hum Mutat.* 2005 Dec;26(6):520-8.

Genetic attributes of 15 autosomal STRs in the population of two patagonian provinces of Argentina. Marino M, Sala A, Corach D. *Forensic Sci Int.* 2006 Jun 27;160(1):84-8. Epub 2005 Jul 15.

#### **2004**

The EDNAP mitochondrial DNA population database (EMPOP) collaborative exercises: organisation, results and perspectives Walther Parson, Anita Brandstatter, Antonio Alonso, Nathalie Brandt, Bernd Brinkmann, Angel Carracedo, Daniel Corach, Olivier Froment, Ivana Furach, Tomasz Grzybowski, Karin Hedberg, Christine Keyser-Tracqui, Tomasz Kupiec, Sabine Lutz-Bonengel, Bente Mevagn, Rafal Ploski, Hermann Schmitter, Peter Schneider, Denise Syndercombe-Court, Eric Sørensen, Heather Thew, Gillian Tully, Richard Scheithauer *Forensic Science International* 139 (2004) 215–226

Hacia la normatización de criterios de obtención de evidencias en víctimas sobrevivientes de agresión sexual, tendiente a la identificación molecular por análisis de ADN. Rocabado O., Carvajal H. Y Corach D. *Revista Médica-Órgano Oficial del Colegio Médico de La Paz* Vol X N°2 Mayo-Agosto 2004.

Molecular Evaluation of Victims of Sudden Death: a promising approach for excluding criminal responsibility. Polisecki E., Marino M., Ravioli, J., Sala A. Corach D. *Progress in Forensic Genetics* 10 599-601 Ch.Doutremepuich and N. Morling EDS.(2004).

Uniparentally inherited genetic markers as tools for ethnic and geographical origin detection of forensic samples. Sala A., Marino M., Arguelles C., Fenocchio A., Corach *Progress in Forensic Genetics* 10 625-627 Ch.Doutremepuich and N. Morling EDS.(2004).

Common Mitochondrial DNA Deletion Associated with Sudden Natural Death in Adults Eliana Y. Polisecki, Laura Schreier, Julio Ravioli and Daniel Corach *J.Forens. Sci.* Nov. 2004 Vol.49, N°6:1335-1338 .

#### **2003**

Penta, Nona and Decaplex Y-STR Typing Systems: A comparative Study. Sala A., Hedman M., Marino M., Sajantila A., Penacino G. and Corach D. *Progress in Forensic Genetics* 9.:357-361(2003) Brinkmann B. & Carracedo A. Eds. Exerta Medica.

Are DNA Test Infallible?. G. Penacino, A. Sala and D. Corach. Progress in Forensic Genetics 9: 87-93 (2003) Brinkmann B. & Carracedo A. Eds. Exerta Medica

Incestuos detection Inference by VNTR Homocigosity Increment. D. Corach, G. Penacino, M. Marino, E. Polisecki and A. Sala. Progress in Forensic Genetics 9: 861-864 (2003) Brinkmann B. & Carracedo A. Eds. Exerta Medica.

Análisis Genético Poblacional de 9 Y-STR en un Grupo Etnico de Bolivia.. Rocabado O., Penacino G., Sala A., Revollo S., Marino M., Polisecki, E., Aliaga J. Y Corach D. BIOFARBO Vol Dic.2003 XI :49-52

## 2002

Evidence of Helicobacter sp. in dental plaque of captive dolphins (Tursiops gephyreus) Goldman CG, Loureiro JD, Quse V, Corach D, Calderon E, Caro RA, Boccio J, Rodriguez Heredia S, Di Carlo MB, Zubillaga MB. J Wildl Dis 2002 Jul;38(3):644-

## 2001

Online reference database of European Y-chromosomal short tandem repeat (STR) haplotypes. Roewer L, Krawczak M, Willuweit S, Nagy M, Alves C, Amorim A, Anslinger K, Augustin C, Betz A, Bosch E, Caglia A, Carracedo A, Corach D, Dekairelle AF, Dobosz T, Dupuy BM, Furedi S, Gehrig C, Gusmao L, Henke J, Henke L, Hidding M, Hohoff C, Hoste B, Jobling MA, Kargel HJ, de Knijff P, Lessig R, Liebeherr E, Lorente M, Martinez-Jarreta B, Nievas P, Nowak M, Parson W, Pascali VL, Penacino G, Ploski R, Rolf B, Sala A, Schmidt U, Schmitt C, Schneider PM, Szibor R, Teifel-Greding J, Kayser M. Forensic Sci Int. 2001 May 15;118(2-3):106-13.

Routine Y-STR typing in forensic casework. Corach D., Filgueira Risso L., Marino M., Penacino G., Sala A. Forensic Sci Int. 2001 May 15;118(2-3):131-5.

An extensive analysis of Y-chromosomal microsatellite haplotypes in globally dispersed human populations. Kayser M, Krawczak M, Excoffier L, Dieltjes P, Corach D, Pascali V, Gehrig C, Bernini LF, Jespersen J, Bakker E, Roewer L, de Knijff P. Am J Hum Genet 2001 Apr;68(4):990-1018.

## 2000

Differential Y-STR Haplotypes Distribution in Argentina. Daniel Corach, Andrea Sala and Gustavo Penacino. Progress in Forensic Genetics 8: 309-311. G.F. Sensabaugh, P.J. Lincoln and B. Olaisen (Eds.) (2000). ISBN 0444-5303.

mtDNA HVR I and II Sequence Database of Argentina. Andrea Sala, Gustavo Penacino and Daniel Corach. Progress in Forensic Genetics 8: 347-349. G.F. Sensabaugh, P.J. Lincoln and B. Olaisen (Eds.) (2000). ISBN 0444-5303.

Report of the First Latin American Collaborative Quality Control Exercise on Forensic DNA Typing. Daniel Corach, Gustavo Penacino and Andrea Sala. Progress in Forensic Genetics 8: 625-627. G.F. Sensabaugh, P.J. Lincoln and B. Olaisen (Eds.) (2000). ISBN 0444-5303.

Caucasian Y-STR Haplotype Reference Database for Forensic Application. Roewer L, Kayser M, Anslinger K, Augustin C, Caglia A, Corach D, Furedi S, Geserick G, Henke L, Hidding M, Kargel H,

de Knijff P, Lessig R, Pascali V, Parson W, Prinz M, Rolf B, Schmitt C, Schneider P, Szibor R, Teifel-Greding J, Krawczak M. Progress in Forensic Genetics 8: 613-615. G.F. Sensabaugh, P.J. Lincoln and B. Olaisen (Eds.) (2000). ISBN 0444-5303.

Identificación Humana Mediante Análisis de ADN en Argentina. Daniel Corach, Gustavo Penacino y Andrea Sala. 1<sup>st</sup> International DNA User's Conference. Interpol 1999. Publicado en: [www.interpol.int/Public/Forensic/dna/conference/DNAProfiling02.asp](http://www.interpol.int/Public/Forensic/dna/conference/DNAProfiling02.asp)

A new method for the evaluation of matches in non-recombining genomes: application to Y- chromosomal short tandem repeat (STR) haplotypes in european males Roewer L, Kayser M, de Knijff P, Anslinger K, Betz A, Caglia A, Corach D, Furedi S, Henke L, Hidding M, Kargel HJ, Lessig R, Nagy M, Pascali VL, Parson W, Rolf B, Schmitt C, Szibor R, Teifel-Greding J, Krawczak M: *Forensic Sci Int* 2000 Oct 9;114(1):31-43.(Ed Elsevier).ISBN 0379-0738.

### 1999

Caracterización Molecular de los LOCID13S317, D7S820 y D16S539 (incluidos en el SILVER STR III) en Poblaciones Argentinas. Andrea Sala, Nancy Iannucci, Gustavo Penacino y Daniel Corach. Auzitegi Genetikari buruzko jardunaldiak. Ed. Gobierno Vasco, Dto. de Interior. ISSN 1130-9628, pág. 184-186 (1998) Reference Database of Hypervariable Genetic Markers of Argentina: Applications for Molecular Anthropology and Forensic Casework. Andrea Sala, Gustavo Penacino, Raúl Carnese and Daniel Corach. *Electrophoresis* 208:1733-1739. (1999).ISSN 0173-0835.

STRs, Y-STRs, Amp-FLP, SLPs, and MLP Identified the Victim of a Suicide. Andrea Sala, Nancy Iannucci, Gustavo Penacino, Oscar Chiappetti, María Pivas, Graciela Pross laporte, Carlos Falcón and Daniel Corach. Proceedings of the 9<sup>th</sup> International Symposium on Human Identification. Orlando, USA, 1999, 74-77.

### 1998

Comparison of Allele Frequencies of Eight STR Loci from Argentinan Amerindian and European Populations. Andrea Sala, Gustavo Penacino and Daniel Corach. *Human Biology*(1998) Oct.70(5):937-947.ISSN 1464-5033.

Validation Studies of Y-Specific STRs: Forensic Casework Evaluation. Corach D., Penacino G., Sala A., Iannucci N., Martinez M., Villafañe A., Kayser M. and Roewer L. *Progress in Forensic Genetics* 7: (1998) 418-420. ISBN 0444-829652(Ed Elsevier).ISBN 0444-829652

STR Database from Argentina: Statistical Comparison with other Population Databases. Sala A., Penacino G., Iannucci N. and D. Corach. *Progress in Forensic Genetics* 7 (1998) :347-349. (Ed Elsevier).ISBN 0444-829652.

STRs, Y-STRs, Amp-FLP, SLPs and MLP Identified the Victim of a Suicide, 31-Diploid-Triploid Mosaicism in Chorionic Villus Sampling (CVS): Clinical Significance and Parental Assessment. Claudia Perandones, Roxana Cerretini, Walter Bozzo, Cecilia Barares, Liliana Alba, Andrea Sala, Omar Pivetta, Daniel Corach and María del Carmen Muhllmann-Diaz. *BioMedicina* Nov.1998. Vol.1 Nro.10: 425-428(Ed Masson).ISSN 0300-0893.

Haplotipos de STRs del Cromosoma Y: Estrategias de Análisis con Aplicación Forense. Daniel Corach, Maximiliano Martínez, Gustavo Penacino, Andrea Sala, Nancy Iannucci y Ana M. Villafañe. Auzitegi Genetikari buruzko jardunaldiak. Ed. Gobierno Vasco, Dto. de Interior. ISSN 1130-9628, pág. 77-79 (1998)

STRs: Empleo de Reacciones de Amplificación Anidadas en Tipificación Forense. Penacino, G.; Sala, A.; Iannucci, N. y Corach, D. Auzitegi Genetikari buruzko jardunaldiak. Ed. Gobierno Vasco, Dto. de Interior. ISSN 1130-9628, pág. 83-85(1998).

## 1997

Highly Repeated DNA Sequences Unique to Aegelidae (Crustacea, Anomura). María E. D'Amato and Daniel Corach. *Journal of Crustacean Biology*, 17:184-1191 (1997).ISSN 0278-0372.

Population Genetic Structure in the fresh water anomuran *Aegla jujuyana* by RAPD Analysis. María E. D'Amato and Daniel Corach. *Journal of Crustacean Biology*, 17(2):269-274 (1997).ISSN 0278-0372.

Evaluation of Y-chromosomal STRs: a multicenter study. Kayser M, Caglia A, Corach D, Fretwell N, Gehrig C, Graziosi G, Heidorn F, Herrmann S, Herzog B, Hidding M, Honda K, Jobling M, Krawczak M, Leim K, Meuser S, Meyer E, Oesterreich W, Pandya A, Parson W, Penacino G, Perez-Lezaun A, Piccinini A, Prinz M, Schmitt C, Roewer L, et al. *Int J Legal Med.* (ED Springer) (1997)110(3):125-133 ISSN 0937-9827.

Chromosome Y microsatellites: population genetic and evolutionary aspects. de Knijff P, Kayser M, Caglia A, Corach D, Fretwell N, Gehrig C, Graziosi G, Heidorn F, Herrmann S, Herzog B, Hidding M, Honda K, Jobling M, Krawczak M, Leim K, Meuser S, Meyer E, Oesterreich W, Pandya A, Parson W, Penacino G, Perez-Lezaun A, Piccinini A, Prinz M, Roewer L, et al. *Int J Legal Med* (ED Springer)(1997); 110(3)::134-149 ISSN 0937-9827.

Additional Approaches to DNA Typing of Skeletal Remains: The Search for Missing Persons Killed During the Last Dictatorship In Argentina. Daniel Corach, Gustavo Penacino , Andrea Sala, Nancy Iannucci, Patricia Bernardi , Mercedes Doretti , Luis Fondebrider , Anahi Ginarte , Alejandro Inchaurregui, Carlos Somigliana, Silvana Turner and Erika Hagelberg. *Electrophoresis* (1997).18(9):1608-1612.ISSN 0173-0835.

Repetitive DNA Sequences As An Insight To Aeglididae (Crustacea, Anomura) Evolution. D'Amato María Eugenia and Corach Daniel. *Electrophoresis* (1997).18(9):1666-1671.ISSN 0173-0835.

VNTR Polymorphism in the Buenos Aires-Argentina Metropolitan Population. Sala A., Penacino G. and Corach D. *Human Biology* (1997) Dec. 69(6):777-783.ISSN 0018-7143.

## 1996

The Genetic Structure of Four Argentine Ethnic Groups Reflected by the Analysis of Ten STRs. Sala A., Penacino G., Goycochea A., Carnese R., Tomeo A. and Corach D. *Advances in Forensic Haemogenetics* 6 :662-664. ED Elsevier (1996).ISBN 3540-604928.

DIS80 Amp-FLP Attributes in Two Different Ethnic Groups of Argentinean Populations. Penacino G., Sala A., Smerik J., Perez Calvo J., Baechtel S., Budowle B. and Corach D. *Advances in Forensic Haemogenetics* 6: 665-667 ED Elsevier.(1996).ISBN 3540-604928.

Combined STR VNTR and MVR Typing and mtDNA Sequencing, Led to Identification of Human Remains Emergent from the AMIA Explosion in Buenos Aires. Corach D., Sala A., Penacino G. and Sotelo A. *Advances in Forensic Haemogenetics* 6 337-339. ED Elsevier (1996).ISBN 3540-604928.

Genetic Diversity of the Freshwater Shrimp *Machrobrachium boreli* (Caridea, Palemonidae) Populations by RAPD Analyses. D'Amato M. E. and Corach D. *Journal of Crustacean Biology* 16 (4): 650-655 (1996). ISSN 0278-0372.

#### **1995**

Mass Disasters: Rapid Molecular Screening of Human Remains by Means of STRs Typing. Daniel Corach, Andrea Sala, Gustavo Penacino and Alicia Sotelo. *Electrophoresis* 16 (9):1617-1623. (1995).ISSN 0173-0835.

Cadaveric DNA Extraction Protocol Based on Cetyl Trimethyl Amonium Bromide (CTAB). Daniel Corach, Gustavo Penacino and Andrea Sala. *Acta Medicinae Legalis Vol XLIV* 1994, P. Mangin and B. Ludes Eds.Springer Verlag, pp:35-36.(1995).ISSN 3540588477.

#### **1994**

Dealing with Human Remains in Disaster Areas. The Case of the Israeli Embassy Explosion Occured in Buenos Aires. D. Corach, G. Penacino and A. Sotelo. *Advances in Forensic Haemogenetics* 5 259–261 (1994).ISBN 9783540576433.

Post Mortem Molecular Identification. Biological Kinship Established by DNA Analysis. G.Penacino, A. Sala and D. Corach. *Advances in Forensic Haemogenetics* 5: 289–291 (1994).ISBN 3540576436.

#### **1993**

Genetic variation Among the Mapuche Indians from the Patagonian region of Argentina: mitochondrial sequence variation and allele frequencies of several nuclear genes. Charles Guinther, Daniel Corach, Gustavo A. Penacino, Jorge A. Rey, Francisco R. Carnese, Mara Hutz, Lee A. Anderson, Janette Just, Francisco M. Salzano and Mary-Claire King. *DNA Fingerprinting: State of the Science*. Ed. S.D.J. Pena et al.(1993),EXS 67: :211-219. Birkhauser Verlag, Bassel, Switzerland.ISSN 1023294X.

#### **1991**

A Reliable, Rapid and Simple Method for DNA Extraction from Frozen Sperm Cells. Daniel Corach. *Fingerprint News*. Vol 3 (4): 13, October 1991.Ed Bill Amos UK.ISSN 14362228.