

Christian A. García-Sepúlveda

HEAD RESEARCHER · MOLECULAR IMMUNOBIOLOGY AND VIROLOGY

Laboratorio de Genómica Viral y Humana, Facultad de Medicina UASLP

☎ +52 (444) 5107-384 | ✉ christian.garcia@uaslp.mx | 🌐 www.genomica.uaslp.mx

“Haec Facio Ut Alli Vivant.”

Personal Details

CONTACT CVU 212048
DGP Professional Licence 4716443
ORCID 0000-0002-1169-7857
Address Avenida Venustiano Carranza # 2405 Col. Filtros Lomas, CP 78210 San Luis Potosí, SLP, México
Office Phone +52(444) 826-2300 Extension 6684 or 6685

Current Appointment

Principal Investigator

*San Luis Potosí, San Luis Potosí,
México*

LABORATORIO DE GENÓMICA VIRAL Y HUMANA, FACULTAD DE MEDICINA, UNIVERSIDAD AUTÓNOMA DE SAN LUIS POTOSÍ

August 2006 - PRESENT

- Professor of the basic biomedical sciences graduate program
- Category VI full time researcher

Education

Doctor of Philosophy

London, United Kingdom

ANTHONY NOLAN RESEARCH INSTITUTE, UNIVERSITY COLLEGE AND ROYAL FREE HOSPITAL SCHOOL OF MEDICINE

2000 - 2005

Pregraduate Internship

Torreón, Coahuila. México

INSTITUTO MEXICANO DEL SEGURO SOCIAL, HOSPITAL GENERAL DE ZONA #18

1997-1998

Medical Social Service

Fco. I. Madero, Coahuila. México

INSTITUTO MEXICANO DEL SEGURO SOCIAL, UNIDAD MÉDICA RURAL #065

1998 - 1999

Doctor of Medicine

Torreón, Coahuila. México

FACULTAD DE MEDICINA UNIDAD TORREÓN, UNIVERSIDAD AUTÓNOMA DE COAHUILA

1992 - 1997

Honors & Awards

DOMESTIC

2015-2023 **SNI Level II**, National Researcher System, Sistema Nacional de Investigadores

Mexico City, Mexico

2008-2014 **SNI Level I**, National Researcher System, Sistema Nacional de Investigadores

Mexico City, Mexico

2007-2018 **Perfil deseable**, Professor Improvement Program, Programa de Mejoramiento del Profesorado

Mexico City, Mexico

2000-2005 **Doctoral Scholarship**, Consejo Nacional de Ciencia y Tecnología (CONACYT) #150263

Mexico City, Mexico

2000-2005 **Double Honourable Mention**, Facultad de Medicina de Torreón, UAdeC

Torreón, México

Skills

Laboratory Molecular biology, Molecular epidemiology, Molecular virology, Special pathogen field work, Biosafety
Bioinformatics Sequence analysis, Molecular modelling, Artificial intelligence algorithms, LaTeX
Languages English, Spanish, German (partial)

37. Mexican HIV-1 Protease Sequence Diversity.

2019

HERNANDEZ-SANCHEZ PG, GUERRA-PALOMARES SE, ARGUELLO JR, NOYOLA DE, GARCÍA-SEPÚLVEDA CA. AIDS RES HUM RETROVIRUSES. SUBMITTED ON APRIL 02, 2019

36. Detection and prevalence of adenoviruses from free-ranging black howler monkeys (*Alouatta pigra*).

2018

ARGÜELLO-SÁNCHEZ LE, ESPINOSA DE LOS MONTEROS A, SANTIAGO-ALARCON D, GARCÍA-SEPÚLVEDA CA. VIRUS GENES. 2018 SEP 20. DOI: 10.1007/S11262-018-1600-1. [EPUB AHEAD OF PRINT] PMID: 30238313

35. MHC class II DRB variability in wild black howler monkeys (*Alouatta pigra*), an endangered New World primate.

2018

ARGUELLO-SÁNCHEZ LE, ARGÜELLO JR, GARCÍA-FERIA LM, GARCÍA-SEPÚLVEDA CA, SANTIAGO-ALARCON D AND ESPINOSA DE LOS MONTEROS A. ANIMAL BIODIVERSITY AND CONSERVATION, ACCEPTED, TO BE PUBLISHED IN VOLUME 24, 2018. PMID: -, PIISSN: 1578-665X, EISSN: 2014-928X

34. Prevalence of Drug Resistance Mutations in Protease, Reverse Transcriptase and Integrase genes of North-Central Mexico HIV Isolates

2018

HERNANDEZ-SANCHEZ PG, GUERRA-PALOMARES SE, RAMIREZ-GARCIALUNA JL, ESPARZA-PEREZ MA, ARGUELLO JR, NOYOLA DE, GARCIA-SEPULVEDA CA. AIDS RES HUM RETROVIRUSES. 2018 JUN;34(6):498-506. PMID: 29620931, PIISSN: 0889-2229, EISSN: 1931-8405. [HTTPS://WWW.LIEBERTPUB.COM/DOI/10.1089/AID.2017.0257](https://www.liebertpub.com/doi/10.1089/AID.2017.0257)

33. Comparative analysis of NK cell receptor repertoire in adults and very elderly subjects with cytomegalovirus infection.

2017

JUÁREZ-VEGA G, RANGEL-RAMÍREZ V, MONSIVÁIS-URENDA A, NIÑO-MORENO P, GARCIA-SEPÚLVEDA C, NOYOLA DE, GONZÁLEZ-AMARO R. HUM IMMUNOL. 2017 MAR;78(3):274-280. PMID: 28093266. PIISSN: 0198-8859, EISSN: 1879-1166. [HTTPS://DOI.ORG/10.1016/J.HUMIMM.2017.01.004](https://doi.org/10.1016/j.humimm.2017.01.004).

32. Sequence and Phylogenetic Analysis of the Untranslated Promoter Regions for HLA Class I Genes.

2017

RAMSURAN V, HERNÁNDEZ-SANCHEZ PG, O'HUIGIN C, SHARMA G, SPENCE N, AUGUSTO DG, GAO X, GARCÍA-SEPÚLVEDA CA, KAUR G, MEHRA NK, AND CARRINGTON M. J IMMUNOL. 2017 MAR 15;198(6):2320-2329. PMID: 28148735, PIISSN: 0022-1767, EISSN: 1550-6606. [HTTPS://DOI.ORG/10.4049/JIMMUNOL.1601679](https://doi.org/10.4049/JIMMUNOL.1601679).

31. Strontium folate loaded biohybrid scaffolds seeded with dental pulp stem cells induce in vivo bone regeneration in critical sized defects.

2016

MARTIN-DEL-CAMPO M, ROSALES-IBAÑEZ R, ALVARADO K, SAMPEDRO JG, GARCIA-SEPULVEDA CA, DEB S, SAN ROMÁN J, ROJO L. BIOMATERIALS SCIENCE. 2016 OCT 18;4(11):1596-1604. PMID: 27722231, PIISSN: 2047-4830, EISSN: 2047-4849. [HTTPS://DOI.ORG/10.1039/C6BM00459H](https://doi.org/10.1039/C6BM00459H).

30. Killer-cell Immunoglobulin-like Receptors and Cytomegalovirus Reactivation During Late Pregnancy.

2016

ALVARADO-HERNÁNDEZ DL, BENÍTEZ-SÁNCHEZ A, RODRÍGUEZ-CUEVAS JS, ROSALES-SAAVEDRA T, GUERRA-PALOMARES SE, COMAS-GARCÍA A, NOYOLA DE, GARCÍA-SEPÚLVEDA CA. INT J IMMUNOGENET. 2016 AUG;43(4):189-99. PMID: 27277336, PIISSN: 1744-3121, EISSN: 1744-313X. [HTTPS://DOI.ORG/10.1111/IJI.12271](https://doi.org/10.1111/IJI.12271).

29. Molecular Characterization of Mexican HIV-1 Vif Sequences.

2016

GUERRA-PALOMARES SE, HERNANDEZ-SANCHEZ PG, ESPARZA-PEREZ MA, ARGUELLO JR, NOYOLA DE, GARCIA-SEPULVEDA CA. AIDS RES HUM RETROVIRUSES. 2016 MAR;32(3):290-5. PMID: 26529466, PIISSN: 0889-2229, EISSN: 1931-8405. [HTTPS://DOI.ORG/10.1089/AID.2015.0290](https://doi.org/10.1089/AID.2015.0290).

28. KIR Genes and Patterns Given by the A Priori Algorithm: Immunity for Haematological Malignancies.

2015

RODRÍGUEZ-ESCOBEDO JG, GARCÍA-SEPÚLVEDA CA, CUEVAS-TELLO JC. COMPUT MATH METHODS MED. 2015;2015:141363. PMID: 26495028, PIISSN: 1748-670X, EISSN: 1748-6718. [HTTPS://DOI.ORG/10.1155/2015/141363](https://doi.org/10.1155/2015/141363).

27. Association of KIR3DL1/S1 and HLA-Bw4 with CD4 T cell counts in HIV-infected Mexican mestizos.

2015

HERNÁNDEZ-RAMÍREZ D, ESPARZA-PÉREZ MA, RAMIREZ-GARCIALUNA JL, ARGUELLO JR, MANDEVILLE PB, NOYOLA DE, GARCÍA-SEPÚLVEDA CA. IMMUNOGENETICS. 2015 AUG;67(8):413-24. PMID: 26033692, PIISSN: 0093-7711, EISSN: 1432-1211. [HTTPS://DOI.ORG/10.1007/S00251-015-0848-Z](https://doi.org/10.1007/S00251-015-0848-Z).

26. NK cell immunophenotypic and genotypic analysis of infants with severe respiratory syncytial virus infection.

2015

NOYOLA DE, JUÁREZ-VEGA G, MONJARÁS-ÁVILA C, ESCALANTE-PADRÓN F, RANGEL-RAMÍREZ V, CADENA-MOTA S, MONSIVÁIS-URENDA A, GARCÍA-SEPÚLVEDA CA, GONZÁLEZ-AMARO R. MICROBIOL IMMUNOL. 2015 JUL;59(7):389-97., PMID: 25988502. PIISSN: 0385-5600, EISSN: 1348-0421. [HTTPS://DOI.ORG/10.1111/1348-0421.12265](https://doi.org/10.1111/1348-0421.12265).

25. Cytomegalovirus glycoprotein B genotypes in Mexican children and women.

2015

GONZALEZ-SANCHEZ HM, ALVARADO-HERNANDEZ DL, GUERRA-PALOMARES S, GARCIA-SEPULVEDA CA, NOYOLA DE. INTERVIROLOGY. 2015;58(2):115-21., PMID: 25833320, PIISSN: 0300-5526, EISSN: 1423-0100. [HTTPS://DOI.ORG/10.1159/000373922](https://doi.org/10.1159/000373922).

24. NKG2C gene deletion in the Mexican population and lack of association to respiratory viral infections.

2014

RANGEL-RAMÍREZ VV, GARCIA-SEPULVEDA CA, ESCALANTE-PADRÓN F, PÉREZ-GONZÁLEZ LF, RANGEL-CASTILLA A, ARANDA-ROMO S, NOYOLA DE. INT J IMMUNOGENET. 2014 APR;41(2):126-30, PMID: 24305414, PIISSN: 1744-3121, EISSN: 1744-313X. [HTTPS://DOI.ORG/10.1111/IJI.12104](https://doi.org/10.1111/IJI.12104).

23. Support vector machine algorithms in the search of KIR gene associations with disease.

2013

CUEVAS TELLO JC, HERNÁNDEZ-RAMÍREZ D, GARCÍA-SEPÚLVEDA CA. COMPUT BIOL MED. 2013 DEC;43(12):2053-62. PMID: 24290921, PIISSN: 1879-0534, EISSN: 0010-4825. [HTTPS://DOI.ORG/10.1016/J.COMPBIOMED.2013.09.027](https://doi.org/10.1016/J.COMPBIOMED.2013.09.027).

22. The D-repeat polymorphism in the ASPN gene and primary knee osteoarthritis in a Mexican mestizo population: a case-control study.

2013

ARELLANO RD, HERNÁNDEZ F, GARCÍA-SEPÚLVEDA CA, VELASCO VM, LOERA CR, ARGUELLO JR. J ORTHOP SCI. 2013 SEP;18(5):826-31. PMID: 23733110. PIISSN: 0949-2658, EISSN: 1436-2023. [HTTPS://DOI.ORG/10.1007/S00776-013-0414-1](https://doi.org/10.1007/S00776-013-0414-1).

21. Killer-cell immunoglobulin-like receptors (KIR) in severe A (H1N1) 2009 influenza infections.

2012

ARANDA-ROMO S, GARCIA-SEPULVEDA CA, COMAS-GARCÍA A, LOVATO-SALAS F, SALGADO-BUSTAMANTE M, GÓMEZ-GÓMEZ A, NOYOLA DE. IMMUNOGENETICS. 2012 SEP;64(9):653-62. PMID: 22652695. PIISSN: 0093-7711, EISSN: 1432-1211. [HTTPS://DOI.ORG/10.1007/S00251-012-0623-3](https://doi.org/10.1007/S00251-012-0623-3).

20. Congenital cytomegalovirus infection in newborn infants from the state of San Luis Potosí, Mexico.

2011

NOYOLA DE, MATIENZO-SERMENT L, RODRÍGUEZ-VIDAL SO, OCHOA-PÉREZ UR, PIÑA-GRANJA JM, GARCÍA-SEPÚLVEDA CA. SALUD PUBLICA DE MEXICO. 2011 NOV-DEC;53(6):513-5. PMID: 22282144, PIISSN: 0036-3634, EISSN: 1606-7916. [HTTPS://DOI.ORG/10.1590/S0036-36342011000600007](https://doi.org/10.1590/S0036-36342011000600007).

19. KIR gene diversity in Mexican mestizos of San Luis Potosí.

2011

ALVARADO-HERNÁNDEZ DL, HERNÁNDEZ-RAMÍREZ D, NOYOLA DE, GARCÍA-SEPÚLVEDA CA. IMMUNOGENETICS. 2011 SEP;63(9):561-75.. PMID: 21638211. PIISSN: 0093-7711, EISSN: 1432-1211. [HTTPS://DOI.ORG/10.1007/S00251-011-0540-X](https://doi.org/10.1007/s00251-011-0540-x).

18. Impact of early developmental arsenic exposure on promotor CpG-island methylation of genes involved in neuronal plasticity.

2011

MARTÍNEZ L, JIMÉNEZ V, GARCÍA-SEPÚLVEDA CA, CEBALLOS F, DELGADO JM, NIÑO-MORENO P, DONIZ L, SAAVEDRA-ALANÍS V, CASTILLO CG, SANTOYO ME, GONZÁLEZ-AMARO R, JIMÉNEZ-CAPDEVILLE ME. NEUROCHEMISTRY INTERNATIONAL. 2011 APR;58(5):574-81. PMID: 21300125, PIISSN: 0197-0186, EISSN:1872-9754. [HTTPS://DOI.ORG/10.1016/J.NEUINT.2011.01.020](https://doi.org/10.1016/j.neuint.2011.01.020).

17. Mortality attributable to pandemic influenza A (H1N1) 2009 in San Luis Potosí, Mexico.

2011

COMAS-GARCÍA A, GARCÍA-SEPÚLVEDA CA, MÉNDEZ-DE LIRA JJ, ARANDA-ROMO S, HERNÁNDEZ-SALINAS AE, NOYOLA DE. INFLUENZA AND OTHER RESPIRATORY VIRUSES. 2011 MAR;5(2):76-82. PMID: 21306570, PIISSN: 1750-2640, EISSN: 1750-2659. [HTTPS://DOI.ORG/10.1111/J.1750-2659.2010.00187.X](https://doi.org/10.1111/j.1750-2659.2010.00187.x).

16. Pandemic influenza A(H1N1) 2009 and respiratory syncytial virus associated hospitalizations.

2010

LOVATO-SALAS F, MATIENZO-SERMENT L, MONJARÁS-ÁVILA C, GODOY-LOZANO EE, COMAS-GARCÍA A, AGUILERA-BARRAGÁN M, DURHAM-GONZÁLEZ A, CONTRERAS-VIDALES S, OCHOA-PÉREZ U, GÓMEZ-GÓMEZ A, GARCÍA-SEPÚLVEDA CA, NOYOLA DE. JOURNAL OF INFECTION. 2010 NOV;61(5):382-90. PMID: 20816695, PIISSN: 0163-4453, EISSN: 1532-2742. [HTTPS://DOI.ORG/10.1016/J.JINF.2010.08.008](https://doi.org/10.1016/j.jinf.2010.08.008).

15. Influence of human cytomegalovirus infection on the NK cell receptor repertoire in children.

2010

MONSIVÁIS-URENDA A, NOYOLA-CHERPITEL D, HERNÁNDEZ-SALINAS A, GARCÍA-SEPÚLVEDA CA, ROMO N, BARANDA L, LÓPEZ-BOTET M, GONZÁLEZ-AMARO R. EUROPEAN JOURNAL OF IMMUNOLOGY. 2010 MAY;40(5):1418-27. PMID: 20201038, PIISSN: 0014-2980, EISSN: 1521-4141, [HTTPS://DOI.ORG/10.1002/EJI.200939898](https://doi.org/10.1002/eji.200939898).

14. The impact of HLA genotyping on survival following unrelated donor haematopoietic stem cell transplantation.

2010

SHAW BE, ARGUELLO R, GARCIA-SEPULVEDA CA, MADRIGAL JA. BRITISH JOURNAL OF HAEMATOLOGY. 2010 AUG;150(3):251-8. PMID: 20560963, PIISSN: 0007-1048, EISSN: 1365-2141. [HTTPS://DOI.ORG/10.1111/J.1365-2141.2010.08224.X](https://doi.org/10.1111/j.1365-2141.2010.08224.x).

13. Effect of an immunization program on seasonal influenza hospitalizations in Mexican children.

2010

ARANDA-ROMO S, COMAS-GARCÍA A, GARCÍA-SEPÚLVEDA CA, HERNÁNDEZ-SALINAS AE, PIÑA-RAMÍREZ M, NOYOLA DE. VACCINE. 2010 MAR 16;28(13):2550-5. PMID: 20117263, PIISSN: 0264-410X, EISSN: 1873-2518. [HTTPS://DOI.ORG/10.1016/J.VACCINE.2010.01.034](https://doi.org/10.1016/j.vaccine.2010.01.034).

12. Severe pneumonia associated with pandemic (H1N1) 2009 outbreak, San Luis Potosí, Mexico.

2010

NOYOLA-CHERPITEL DE, GARCÍA-SEPÚLVEDA CA, GÓMEZ- GÓMEZ A. EMERG INFECT DIS. 2010 JAN;16(1):27-34. PMID: 20031039, PISSN: 1080-6040, EISSN: 1080-6059. [HTTPS://DOI.ORG/10.3201/EID1601.090941](https://doi.org/10.3201/EID1601.090941).

11. Maxiprep genomic DNA extractions for molecular epidemiology studies and biorepositories.

2010

GARCIA-SEPULVEDA CA, CARRILLO-ACUÑA E, GUERRA-PALOMARES SE, BARRIGA-MORENO M. MOL BIOL REP. 2010 APR;37(4):1883-90. PMID: 19609718, PISSN: 0301-4851, EISSN: 1573-4978. [HTTPS://DOI.ORG/10.1007/S11033-009-9624-1](https://doi.org/10.1007/S11033-009-9624-1).

10. High-resolution molecular characterization of the HLA class I and class II in the Tarahumara Amerindian population.

2006

GARCÍA-ORTIZ JE, SANDOVAL-RAMÍREZ L, RANGEL-VILLALOBOS H, MALDONADO-TORRES H, COX S, GARCÍA CA, FIGUERA LE, MARSH SGE, LITTLE AM, MADRIGAL JA, MOSCOSO J, ARNAÍZ-VILLENA A, ARGUELLO JR. TISSUE ANTIGENS. 2006 AUG;68(2):135-46. PMID: 16866883, PISSN: 0001-2815, EISSN: 1399-0039. [HTTPS://DOI.ORG/10.1111/J.1399-0039.2006.00636.X](https://doi.org/10.1111/J.1399-0039.2006.00636.X).

9. KIR Gene in Ethnic and Mestizo Populations from Mexico.

2006

GUTIÉRREZ-RODRÍGUEZ ME, SANDOVAL-RAMÍREZ L, DÍAZ-FLORES M, MARSH SGE, VALLADARES-SALGADO A, MADRIGAL JA, MEJÍA-ARANGURE JM, GARCÍA CA, HUERTA-ZEPEDA A, IBARRA-CORTES B, ORTEGA-CAMARILLO C, CRUZ M. HUM IMMUNOL. 2006 JAN-FEB;67(1-2):85-93. PMID: 16698429, PISSN: 0198-8859, EISSN: 1879-1166. [HTTPS://DOI.ORG/10.1016/J.HUMIMM.2005.11.007](https://doi.org/10.1016/J.HUMIMM.2005.11.007).

8. Reduced MIC gene repertoire variation in West African chimpanzees as compared to humans.

2005

DE GROOT NG, GARCÍA CA, VERSCHOOR EJ, DOXIADIS GG, MARSH SGE, OTTING N, BONTROP RE. MOLECULAR BIOLOGY AND EVOLUTION. 2005 JUN;22(6):1375-85. PMID: 15758205, PISSN: 0737-4038, EISSN: 1537-1719. [HTTPS://DOI.ORG/10.1093/MOLBEV/MSI127](https://doi.org/10.1093/MOLBEV/MSI127).

7. Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002.

2003

MARSH SGE, PARHAM P, DUPONT B, GERAGHTY DE, TROWSDALE J, MIDDLETON D, VILCHES C, CARRINGTON M, WITT C, GUETHLEIN LA, SHILLING H, GARCÍA CA, HSU KC, WAIN H. TISSUE ANTIGENS. 2003 JUL; 62(1):79-86. PMID: 12859599, PISSN: 0001-2815, EISSN: 1399-0039. [HTTPS://DOI.ORG/10.1034/J.1399-0039.2003.00072.X](https://doi.org/10.1034/J.1399-0039.2003.00072.X).

6. Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002.

2003

MARSH SGE, PARHAM P, DUPONT B, GERAGHTY DE, TROWSDALE J, MIDDLETON D, VILCHES C, CARRINGTON M, WITT C, GUETHLEIN LA, SHILLING H, GARCÍA CA, HSU KC, WAIN H. IMMUNOGENETICS. 2003 JUL;55(4):220-6. PMID: 12838378, PISSN: 0093-7711, EISSN: 1432-1211. [HTTPS://DOI.ORG/10.1007/S00251-003-0571-Z](https://doi.org/10.1007/S00251-003-0571-Z).

5. Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002.

2003

MARSH SGE, PARHAM P, DUPONT B, GERAGHTY DE, TROWSDALE J, MIDDLETON D, VILCHES C, CARRINGTON M, WITT C, GUETHLEIN LA, SHILLING H, GARCÍA CA, HSU KC, WAIN H. EUR J IMMUNOGENET. 2003 JUN;30(3):229-34. PMID: 12787002, PISSN: 0014-2980, EISSN: 1521-4141. [HTTPS://DOI.ORG/10.1046/J.1365-2370.2003.00383.X](https://doi.org/10.1046/J.1365-2370.2003.00383.X).

4. Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002.

2003

MARSH SGE, PARHAM P, DUPONT B, GERAGHTY DE, TROWSDALE J, MIDDLETON D, VILCHES C, CARRINGTON M, WITT C, GUETHLEIN LA, SHILLING H, GARCÍA CA, HSU KC, WAIN H. HUM IMMUNOL. 2003 JUN;64(6):648-54. PMID: 12770798, PISSN: 0198-8859, EISSN: 1879-1166. [HTTPS://DOI.ORG/10.1016/S0198-8859\(03\)00067-3](https://doi.org/10.1016/S0198-8859(03)00067-3).

3. Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002.

2003

MARSH SGE, PARHAM P, DUPONT B, GERAGHTY DE, TROWSDALE J, MIDDLETON D, VILCHES C, CARRINGTON M, WITT C, GUETHLEIN LA, SHILLING H, GARCÍA CA, HSU KC, WAIN H. JOURNAL OF IMMUNOLOGICAL METHODS, 281 1-8, 2003. PMID: NOT IDENTIFIED, PISSN: 0022-1759, EISSN: 1872-7905. [HTTPS://DOI.ORG/10.1016/J.JIM.2003.08.001](https://doi.org/10.1016/J.JIM.2003.08.001).

2. Human KIR sequences 2003.

2003

GARCIA CA, ROBINSON J, GUETHLEIN LA, PARHAM P, MADRIGAL JA, MARSH SG. IMMUNOGENETICS. 2003 JUL;55(4):227-39. PMID: 12838379, PISSN: 0093-7711, EISSN: 1432-1211. [HTTPS://DOI.ORG/10.1007/S00251-003-0572-Y](https://doi.org/10.1007/S00251-003-0572-Y).

1. Natural Killer Cell Receptors: Functional Roles.

2003

GARCÍA CA, ROBINSON J, MADRIGAL JA, MARSH SGE INMUNOLOGÍA (2003) 22:190-202, ISSN: 0213-9626, 2173-9145. [HTTP://WWW.INMUNOLOGIA.ORG/UPLOAD/ARTICLES/5/9/595.PDF](http://www.inmunologia.org/upload/articles/5/9/595.pdf).

Workshop Proceedings

IT Services for Decision Support Systems on Public Health Problems by using Genomic Data.

2010

CUEVAS-TELLO JC, GARCÍA-SEPÚLVEDA CA. INTERNATIONAL CONFERENCE ON BIOINFORMATICS AND COMPUTATIONAL BIOLOGY, BIOCOMP' 2010: BIOINFORMATICS DATABASE, DATA MINING, AND PATTERN DISCOVERY SESSIONS. BIOCOMP 2010, JULY 12-15, 2010, LAS VEGAS NEVADA, USA, 2 VOLUMES. CSREA PRESS 2010, ISBN: 1-60132-134-1.

Joint report: Killer immunoglobulin-like receptor genotypes, haplotypes and haplotype segregation patterns evaluated in the workshop KIR reference DNA panel.

2005

HSU KC, BIGNON CD, CARRINGTON M, CHIDA S, CHRISTIANSEN F, DESANTIS D, ELJAAFARI A, ESTEFANIA E, FELDMAN D, GAGNE K, GARCÍA CA, GASSNER C, GERAGHTY DE, JOSHI N, KAMOUN M, LIU XR, MARSH SGE, MARTIN MP, MICKELSON E, MIDDLETON D, MYTILINEOS J, NAUMOVA E, PEI J, PINTO-AGNELLO C, SANTOS P, SCHOCH G, SELVAKUMAR A, TYAN D, VILCHES C, WILLIAMS F, WITT CS, DUPONT B. HLA 2004: IMMUNOBIOLOGY OF THE HUMAN MHC. PROCEEDINGS OF THE 13TH INTERNATIONAL HISTOCOMPATIBILITY WORKSHOP AND CONGRESS. FRED HUTCHINSON CANCER RESEARCH Eds. VOL. I, IHWG PRESS, SEATTLE, WA, 2005. ISBN: 0945278039; ISBN-13: 9780945278030

KIR gene characterisation of HLA homozygous cell lines.

2005

GARCÍA CA, ROBINSON J, SCHILLING HG, GUETHLEIN LA, PARHAM P, MADRIGAL JA, MARSH SGE. HLA 2004: IMMUNOBIOLOGY OF THE HUMAN MHC. PROCEEDINGS OF THE 13TH INTERNATIONAL HISTOCOMPATIBILITY WORKSHOP AND CONGRESS. FRED HUTCHINSON CANCER RESEARCH Eds. VOL. I, IHWG PRESS, SEATTLE, WA, 2005. ISBN: 0945278039; ISBN-13: 9780945278030. [HTTP://STUDYLIB.NET/DOC/5783773/CHARACTERISATION-OF-THE-KIR-GENES-IN-HLA-HOMOZYGOUS-CELL-](http://studylib.net/doc/5783773/characterisation-of-the-kir-genes-in-hla-homozygous-cell-)

Human Killer-Cell Immunoglobulin-like Receptor (KIR) Polymorphism.

2005

GARCÍA CA, ROBINSON J, SCHILLING HG, GUETHLEIN LA, PARHAM P, MADRIGAL JA, MARSH SGE. HLA 2004: IMMUNOBIOLOGY OF THE HUMAN MHC. PROCEEDINGS OF THE 13TH INTERNATIONAL HISTOCOMPATIBILITY WORKSHOP AND CONGRESS. FRED HUTCHINSON CANCER RESEARCH Eds. VOL. I, IHWG PRESS, SEATTLE, WA, 2005. ISBN: 0945278039; ISBN-13: 9780945278030

Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002.

2005

MARSH SGE, PARHAM P, DUPONT B, GERAGHTY DE, TROWSDALE J, MIDDLETON D, VILCHES C, CARRINGTON M, WITT C, GUETHLEIN LA, SHILLING H, GARCÍA CA, HSU KC, WAIN H. HLA 2004: IMMUNOBIOLOGY OF THE HUMAN MHC. PROCEEDINGS OF THE 13TH INTERNATIONAL HISTOCOMPATIBILITY WORKSHOP AND CONGRESS. FRED HUTCHINSON CANCER RESEARCH Eds. VOL. I, IHWG PRESS, SEATTLE, WA, 2005. ISBN: 0945278039; ISBN-13: 9780945278030.

Book Chapters

Detergents in Molecular Biology: DNA extraction and purification.

2011

GARCÍA-SEPÚLVEDA CA, GUERRA-PALOMARES SE, ALVARADO-HERNÁNDEZ DL. DETERGENTS: TYPES, COMPONENTS AND USES, ED. EMILIE T. HAGEN, BIOCHEMISTRY RESEARCH TRENDS SERIES, 2011. ISBN: 978-1-61668-986-5.

Human Killer-Cell Immunoglobulin-like Receptor (KIR) Polymorphism.

2004

GARCÍA CA, ROBINSON J, MADRIGAL JA, MARSH SGE. EUROPEAN BONE MARROW TRASPLANTATION HANDBOOK, 2004, EDS. APPERLEY, J. GLUCKMANN, E., 2004 REVISED EDITION.

El complejo mayor de histocompatibilidad y su papel biológico. HLA y su papel en la evolución clínica de trasplantes y enfermedades autoinmunes.

2003

MADRIGAL JA, GARCÍA CA, GUTIÉRREZ ME, SHAW BE, ARGÜELLO JR, LITTLE AM, MARSH SGE. LIBRO DE HEMATOLOGÍA, ARÁN EDICIONES S.L. EDITORES GARCIA-CONDE, JJ AND SAN MIGUAL, JF AND SIERRA, J AND URBANO-ISPIZUA, A AND VICENTE, V AND VIVES CORRONS, JL, HEMATOLOGIA. (PP. 105-112). ARAN EDCINES: MADRID 2003.

Theses Directed

Postgraduate thesis directed

- MSc. Nucleic acid based blood-borne pathogen screening, Sandra Elizabeth Guerra Palomares (August 2010).
- MSc. Molecular detection of pre-pandemic influenza virus, Hugo Israel Contreras Treviño (2009 - 2011).
- PhD. Clinical influence of KIR features in CMV infections, Diana Lorena Alvarado Hernández (2009 - 2013).
- PhD. Clinical influence of KIR features in HIV infections, Daniel Hernández Ramírez (2009 - 2015).
- MSc. Prevalence of HIV anti-retroviral resistance mutations in Mexico, Pedro Gerardo Hernández Sánchez (2009 - 2013).
- PhD. Characterisation of HIV-1 vif & vpr diversity, Sandra Elizabeth Guerra Palomares (2008 - 2012).
- PhD. Pol region mutations in Mexican HIV-1 isolates, Pedro Gerardo Hernández Sánchez (November 2016).
- MSc. Clinical relevance of rs9264942 & HLA-C:KIR in HIV, Itzel B. Jiménez Velázquez (2014-2015).
- MSc. Exotic viral pathogen surveillance in wild bat populations, Samuel Mora Andrade (2015 - 2017).
- MSc. Arbovirus surveillance and molecular epidemiology, María Fernanda Wong Arce (2017 - 2019).
- MSc. Hantavirus in wild rodents of San Luis Potosí state, Emma Félix Hernández Romano (2018 - 2020).

Graduate thesis directed

- BSc Chem. Optimisation of HBV and CMV detection methods, Mauricio Ricardo Andrade Escalante (2018).
- BSc Chem. In house molecular weight marker production, Kevin Uriel Cardona Salazar (2018).
- BSc Chem. In house molecular weight marker production, Rodrigo Velarde Salcedo (2018).
- BSc Bioproc. HLA-C Genotyping of MGDC-HIV, María Fernanda Wong Arce (2016).
- MD. Genomic characterisation of Mexican Hepatitis B virus isolates, Bunga Diela (2015).
- MD. Establishment of a Tenek B-lymphoblastoid cell-line collection, Ameyali Baca Alvidrez (2013 - 2014).
- BSc CompSci. MIDASmap web integration, Thelma Anahí Martínez José (2016).
- BSc CompSci. MIDASmap team coordinator, Marco Govea (2016).
- BSc CompSci. MIDASmap interface development Octavio Medina Avila (2016).
- BSc CompSci. Sequence Unanimity Reformatting (SURETool) development, Dante Irad García Aguilar (2017).
- BSc CompSci. Development of digital database management software, Jacobo Ulises Alvarado (2013).
- BSc CompSci. Oligonucleotide resuspension aid web tool, Víctor Ramírez Ramírez (2013).
- BSc Chem. Dengue virus molecular screening techniques, Ana Alejandra Maya García (2011 - 2012).
- BSc CompSci. KIR gene haplotyping and genotyping tool, Juan Carlos Ramírez González (Sept 2011).
- MD. Mexican genomic DNA collection HIV/AIDS clinical database, José Luis Ramírez García-Luna (2010 - 2011).
- BSc CompSci. Viral and Human Genomics Laboratory website development, Víctor Daniel Castillo Arriaga (2009).
- BSc CompSci. KIRHAT: KIR gene haplotyping webtool development, Juan Carlos Hernández Hernández (2009).
- MD. Biobanking cell biology technique optimisation, Montserrat Barriga Moreno (2008 - 2009).
- BSc Chem. Blood-borne pathogen screening molecular techniques, Sandra Elizabeth Guerra Palomares (2007 - 2008).
- BSc Law. Moving towards more equal transgenic laws, Arturo Guadalupe Jiménez Camacho (2007).

Courses Taught

60 hour	Molecular Modelling , Biomedical sciences postgraduate program. Fac. de Medicina, UASLP	<i>Since 2017</i>
30 hour	Nucleic Acid Techniques , Biomedical sciences postgraduate program. Fac. de Medicina, UASLP	<i>2009 - 2016</i>
40 hour	Biosafety , Biomedical sciences postgraduate program. Fac. de Medicina, UASLP	<i>Since 2013</i>
30 hour	Molecular Biology , Graduate program. Fac. de Medicina, UASLP	<i>Since 2012</i>
60 hour	Basic Molecular Biology , Biomedical sciences postgraduate program. Fac. de Medicina, UASLP	<i>Since 2007</i>
60 hour	Advanced Molecular Biology , Biomedical sciences postgraduate program. Fac. de Medicina, UASLP	<i>Since 2007</i>

Project Grants Received

Analysis of the clinical and functional relevance of Killer-cell Immunoglobulin-like receptors in Mexican mestizo, Amerindian and pathological population groups. *2007 - 2010*

MEXICAN NATIONAL SCIENCE AND TECHNOLOGY COUNCIL (CONACYT) FEDERAL GRANT 55360. AMOUNT: \$815,000 MXN.

Integrating an interinstitutional diagnostic and surveillance system for respiratory viral pathogen diagnosis and epidemiology. *2008 - 2010*

MIXED FUND GRANT, STATE OF SAN LUIS POTOSÍ SCIENCE AND TECHNOLOGY GRANT FMSLP-2008-C01-86384. AMOUNT: \$1'100,000 MXN.

Applying nucleic acid based molecular strategies to the detection and screening of blood-borne viral pathogens. *2008 - 2010*

MEXICAN NATIONAL SCIENCE AND TECHNOLOGY COUNCIL (CONACYT) GRANT 87340. AMOUNT: \$750,000 MXN.

Understanding the genomic diversity of HIV strains circulating in Mexico. *2009 - 2011*

MEXICAN NATIONAL SCIENCE AND TECHNOLOGY COUNCIL (CONACYT) GRANT 115226. AMOUNT: \$900,000 MXN.

Study of KIR genomic diversity and of its interactions with HLA in natural and experimental HIV infections. *2012 - 2015*

MEXICAN NATIONAL SCIENCE AND TECHNOLOGY COUNCIL (CONACYT) GRANT 167374. AMOUNT: \$1'400,000 MXN.

Enhancing Biosafety Level 2-Plus Infrastructure. *2015 - 2016*

MEXICAN NATIONAL SCIENCE AND TECHNOLOGY COUNCIL (CONACYT) GRANT I0027-2015-01, 0264326. AMOUNT: \$1'500,000 MXN.

Extracurricular Activities

1991-1993	Founding Member , Sociedad Astronómica de la Laguna (Astronomical Society)	<i>COAH, Mexico</i>
Since 2008	Founding Member , Sociedad Astronómica "Julieta Fierro Gossman AC" (Astronomical Society)	<i>SLP, Mexico</i>
Since 2015	Forensic expert , State Registry of Medical Experts (Human genetics)	<i>SLP, Mexico</i>
Since 2015	Member , Club Cinegético y de Tiro Halcones (Shooting sports club)	<i>SLP, Mexico</i>
Since 2016	Instructor , Defensive Handgun Tactics	<i>SLP, Mexico</i>
Since 2017	Forensic expert , State Registry of Legal Experts (Firearms and terminal ballistics)	<i>COAH, Mexico</i>