

**CURRICULUM VITAE**  
**Carlos A. Tirado, Ph.D., FACMG**  
**Assistant Professor**  
**Associate Director of Cytogenetics**  
**University of California, Los Angeles**  
1010 Veteran Ave. 2<sup>nd</sup> Floor, Room 2212-F  
West Medical Building  
Los Angeles, California 90024

**I. GENERAL INFORMATION**

Name: Carlos A. Tirado  
Address: 669 Levering Ave, Apt#15  
Los Angeles, CA 90024  
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carlostirado@hotmail.com

**II. EDUCATION**

Arizona State University, Tempe AZ PhD, under Dr. John Stone and Dr. Avery Sandberg  
*Dissertation: "Molecular Cytogenetics of Pancreatic Cancer"*

1993 – 1996

Arizona State University, Tempe, AZ MS, under Dr. John Stone and Dr. Avery Sandberg  
*Thesis "Cytogenetics Findings of Pancreatic Cancer"*

1991 – 1993

Universidad Nacional Pedro Ruiz Gallo  
Lambayeque, Peru

B.S., Licenciado

**III. BOARD CERTIFICATIONS**

American College of Medical Genetics  
(*Fellow*)

November 14, 2007

American Board of Medical Genetics  
(*Diplomat in Clinical Cytogenetics*)

November 8, 2007

Clinical Cytogenetics LIC#: DRM 65  
California Department of Health

November 19, 2012

**IV. ACADEMIC HONORS AND AWARDS**

Honorary Professor  
Universidad Nacional, Pedro Ruiz Gallo  
Lambayeque, Peru

1998 – Present

Fullbright Scholar (Peru - USA) June 1991

Excellence Award June 1982  
Universidad Nacional, Pedro Ruiz Gallo  
Lambayeque, Peru

## V. MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Board of Medical Genetics Nov 2007  
American College of Medical Genetics Nov 2007  
American Society of Human Genetics September 1996  
American Association of Cancer Research September 1999  
Colegio de Biologos del Peru June 1984

## VI. PROFESSIONAL EXPERIENCE

University of California Los Angeles September 1<sup>st</sup>, 2011 – Present  
Department of Pathology and Laboratory Medicine  
Assistant Professor, Associate Director of Cytogenetics

University of Texas Southwestern Medical Center October 21, 2008 – August 2011  
Department of Pathology  
Assistant Professor, Associate Director of Cytogenetics

University of Texas Southwestern Medical Center May 13, 2009 – Present  
Secondary Appointment in the Genetics & Development  
Program, Cancer Biology Track  
Dallas, TX

University of Texas Health Science Center Sept 1, 2009 – August 31, 2014  
Departments of Clinical Laboratory Sciences, Cytogenetics  
Clinical Instructor, Adjunct Position  
San Antonio, TX

University of Texas MD Anderson Medical Center April 1, 2010- August 26<sup>th</sup>, 2011  
School of Health Sciences  
Adjunct Assistant Professor  
Houston, Texas

University of Texas Medical Branch June 1, 2008 – October 20, 2008  
Departments of Pediatrics/Pathology  
Assistant Professor, Director of Cytogenetics  
Galveston, TX

University of South Carolina School of Medicine November 1, 2006 – May 31, 2008  
Department of Obstetrics, Division of Genetics  
Research Assistant Professor  
Assistant Director of Cytogenetics  
Columbia, SC

Quest Diagnostics Nichols Institute July 2004 – October 2006  
Laboratory of Cytogenetics

Assistant Director Cytogenetics  
Chantilly, VA

Cytogenetics Laboratory  
Duke University Medical Center  
Research Associate

July 2001 – June 2004

Duke Clinical Genetics Training Program  
Cytogenetics Fellow  
Durham, NC

July 1, 2001 – June 30, 2003

IMPATH, Inc  
Cytogenetics Technologist  
Phoenix, AZ

October 1, 2000 – June 25, 2001

Universidad Nacional de Trujillo  
Graduate College in Biological Sciences  
Associate Professor  
La Libertad, Peru

April 2000 – July 2000

The Jake Gittlen Cancer Research Institute  
Penn State College of Medicine  
Visiting Scholar  
Hershey, PA

August 1998 – January 1999

Universidad Peruana, Cayetano Heredia  
Department of Biology  
Associate Professor, Cytogenetics Laboratory  
Lima, Peru

August 1996 – September 2000

Peruvian North American, Abraham Lincoln School  
Teacher of Biology  
Lima, Peru

February 1997 – July 1998

Arizona State University, Department of Zoology  
Teaching Assistant, (Six Semesters)  
Course: General Genetics

August 1993 – May 1996

Southwest Biomedical Research Institute  
Graduate Student (PhD), Cytogenetics Oncology  
Scottsdale, AZ  
Southwest Biomedical Research Institute  
Graduate Student (MS)  
Scottsdale, AZ

August 1993 – May 1996

August 1992 – May 1993

Centro de Investigación en Cáncer “Maes Heller”  
Internship  
Lima, Peru

May 1993 – July 1993

Cancer Center at the University of Arizona  
Internship, Laboratory of Cytogenetics  
Tucson, AZ

June 9, 1992 – July 15, 1992

Arizona Health Science Center at University of Arizona

May 1992 – July 1992

Internship  
Tucson, AZ

Universidad Nacional, Pedro Ruiz Gallo  
Teaching Assistant, General Genetics Course  
Lambayeque, Peru

October 1, 1988 – April 30, 1991

## VII. INVITED LECTURES (SELECTED)

USC Department of Pathology  
Los Angeles, CA  
Lecture “Cytogenetics of AML”

Invited lecturer  
December 1st, 2014

Faculty of Sciences – University of Navarra  
Symposium in Cancer Cytogenetics  
“Genes, Chromosomes and Cancer”  
“FISH as a tool in Cytogenetics”  
Pamplona, Spain

Invited Lecturer  
November 9<sup>th</sup> – Nov 14<sup>th</sup>, 2014

USC Department of Pathology  
Los Angeles, CA  
Lecture “Cytogenetics of MDS/MPN”

Invited lecturer  
September 4<sup>th</sup>, 2014

III International Conference in Genetics and Molecular Biology  
Organized by the Circle of Genetic Studies Francis Collins  
Lambayeque, Peru

Chair of the Hosting Committee  
Lecturer  
August 11-13th, 2014

Conference "Topics in Genetics"  
Organized by the Circle of Genetic Studies Francis Collins

Invited Speaker  
Nov 27<sup>th</sup>, 2013

I International Scientific Conference in Cancer  
Organized by the Regional Hospital and Universities of Peru  
Chiclayo, Peru

Invited Speaker  
September 26 – 28, 2013

Conference “57 years of 46 Human Chromosomes: An update  
In Cancer Cytogenetics”  
Lecture at Universidad de Navarra, Pamplona, Spain

Invited Speaker  
September 4, 2013

II International Workshop in Medical Genetics  
Circle of Genetic Studies Francis Collins  
Lambayeque, Peru

Chair/Lecturer  
June 21<sup>st</sup>-June 23<sup>rd</sup>, 2013

Conference organized by the Maison De Sante Foundation  
“Genes, Chromosomes and Cancer”  
Lima, Peru

Invited Speaker  
January 29<sup>th</sup>, 2014

Conference "Topics in Genetics"  
Organized by the Circle of Genetic Studies Francis Collins

Invited Speaker  
January 24<sup>th</sup>, 2013

Conference organized by the Maison De Sante Foundation  
“Cytogenetics of Pediatric B-ALL”  
Lima, Peru

Invited Speaker  
October 15<sup>th</sup>, 2012

I International Workshop in Medical Genetics  
Circle of Genetic Studies Francis Collins  
Lambayeque, Peru

Chair of the Hosting Committee/Lecturer  
Oct 17 – 19, 2012

2013 Spring Lab Week Education Seminar  
“*Cytogenetics and Cancer*”  
UCLA Health System, Pathology & Laboratory Medicine

Invited Lecturer  
April 24<sup>th</sup>, 2013

Conference organized by the Maison De Sante Foundation  
“*Genes, Chromosomes and Cancer*”  
Lima, Peru

Invited Speaker  
January 29<sup>th</sup>, 2013

Workshop in Human Genetics  
Circle of Genetic Studies Francis Collins  
Lambayeque, Peru

Invited Lecturer  
January 24<sup>th</sup>, 2013

International Course “*The Use of Cytogenetics in Medicine*”  
Organized by the Colegio de Biologos del Peru  
Lambayeque, Peru

Chair/ Lecturer  
August 10, 2012

Tilden Center at UCLA, Workshop in Human Genetics  
Los Angeles, CA

Invited Lecturer

XII International Congress of Biology  
“*Cytogenetics in Medicine*”  
“*Genes, Chromosomes and Cancer*”  
Lambayeque, Peru

Invited Lecturer  
Nov 30 – Dec 2, 2011

I International Workshop in Human Genetics  
Circle of Genetic Studies, Francis Collins  
Chiclayo, Peru

International Coordinator, Lecturer  
August 8 – 9, 2011

Baylor College of Medicine, Neonatal Unit Grounds  
“*Clinical Cytogenetics*”  
Dallas, Texas

Guest Speaker  
January 20, 2010

International Workshop in Cancer Genetics  
School of Biological Sciences  
Pedro Ruiz Gallo National University  
“*Chromosomes, Genes and Cancer*”  
“*FISH as a Tool in Cancer*”  
Lambayeque, Peru

International Coordinator, Invited Lecturer  
October 18 – 22, 2011

Pedro Ruiz Gallo National University  
School of Biological Sciences  
“*Cancer Cytogenetics*”  
“*Cytogenetics: A Tool to Monitor Pediatric ALL*”  
Lambayeque, Peru

Invited Lecturer  
June 24, 2010

Universidad Particular, Antenor Orrego

Invited Speaker

School of Medicine “ <i>Cytogenetics: A Tool to Monitor Pediatric ALL</i> ” Trujillo, Peru	June 23, 2010
Instituto Nacional de Enfermedades Neoplasicas “ <i>Cytogenetics: A Tool to Monitor Pediatric ALL</i> ” Lima, Peru	Invited Speaker June 21, 2010
Pathophysiology Series UTSouthwestern Medical Center, Department of Pathology “ <i>Cytogenetics and Cancer</i> ”	Invited Speaker February 26, 2010
East Tennessee State University (ETSU) Department of Biochemistry and Molecular Biology “ <i>Cytogenetics in Cancer</i> ” Johnson City, TN	Invited Speaker January 27, 2010
City of Hope, Department of Pathology “ <i>Cytogenetic Tools in Cancer</i> ” Duarte, California	Invited Speaker November 30, 2009
SOLS Series Seminar Arizona State University School of Life Sciences “ <i>FISH as a Tool to Monitor Hematological Malignancies</i> ” Tempe, Arizona	Invited Lecturer August 28, 2009
International Workshop in Human Genetics Santo Toribio de Mogrovejo University (USAT) Chiclayo, Peru	Invited Lecturer, International Organizer of the Workshop June 30 – July 2, 2009
GUEST Conference, UT Southwestern Medical Center Department of Pathology “ <i>Cytogenetics of Cancer</i> ” Dallas, Texas	Host of the Speaker (Dr. Aurelia Meloni-Ehrig) June 9, 2009
Workshop, University of Texas Medical Branch Departments of Pediatrics and Pathology “ <i>Special Topics in Genetics: Research, Clinical Medical Practice</i> ” Galveston, TX	General Coordinator/Lecturer October 30, 2008
International Course in Molecular Genetics Universidad Catolica Santo Toribio De Mogrovejo “ <i>Genes, Chromosomes &amp; Cancer</i> ” Chiclayo, Peru	Invited Speaker August 11 – 12, 2008
Universidad Peruana de Ciencias Aplicadas “ <i>FISH as a Tool to Monitor Acute Leukemias</i> ” Lima, Peru	Invited Speaker August 7, 2008
University of South Alabama, Department of Medical Genetics “ <i>FISH as a Tool to Monitor Acute Lymphoblastic Leukemia (ALL) in Children</i> ” Mobile, AL	Invited Speaker March 7, 2008

Workshop in Hematology/Oncology Cell Line Genetics Mexico Association of Pathologists of Mexico University of Guadalajara “ <i>FISH as a Tool to Monitor ALL in Children</i> ” Guadalajara, Mexico	Invited Lecturer February 6 – 7, 2008
HGEN720 Medical Genetics Course, Clinical Cytogenetics University of South Carolina Graduate Program: Masters in Genetic Counseling Thompson & Thompson, Chapters 8 & 9 Columbia, SC	Lecturer September 11, 2007
San Marcos National University, “ <i>Chromosomes, Genes and Cancer</i> ” Workshop “ <i>Cancer Cytogenetics</i> ” Lima, Peru	Invited Lecturer & Chairman of Symposium August 27 – 29, 2007
HGEN700 Medical Genetics for Professionals University of South Carolina School of Medicine Chapters 4, 5, 6, & 7 (Syllabus Genetics in Medicine) Columbia, SC	Instructor June 11, 2007
Hospital Infantil de Mexico "Federico Gomez" Department of Genetics “ <i>Cancer Cytogenetics</i> ” Mexico City, Mexico	Invited Lecturer April 26 – 27, 2007
Panamericana University Update in Human Genetics Symposium Mexico City, Mexico	Invited Speaker April 27, 2007
Continuing Education for the Cytogenetics Technologists University of South Carolina School of Medicine Laboratory of Cytogenetics, Division of Genetics “ <i>Clinical Applications of FISH in Cancer Cytogenetics</i> ” “ <i>Microdeletions</i> ” Columbia, SC	Speaker February 24, 2007
South Carolina Oncology Associates University of South Carolina School of Medicine “ <i>Molecular Applications in Clinical Pathology</i> ” “ <i>Introduction to Clinical Medicine</i> ” Columbia, SC	Invited Lecturer February 20 & 21, 2007
III Peruvian Congress of Biotechnology & Bioengineering “ <i>Cancer Cytogenetics</i> ” “ <i>Clinical Applications in Molecular Pathology</i> ” Trujillo, Peru	Invited Lecturer October 12 – 15, 2006
Conference Stony Brook University, Department of Pathology	Invited Lecturer April 10, 2006

“*Cancer Cytogenetics*”

Long Island, NY

International Conference in Cytogenetics  
“*Santo Toribio de Mogrovejo*” Catholic University  
Department of Health Sciences  
Chiclayo, Peru

Invited Lecturer  
November 25, 2005

Guest Speaker Series  
Northern Michigan University  
Department of Clinical Laboratory Sciences  
“*Molecular Applications in Clinical Pathology*”  
Marquette, MI

Invited Lecturer  
October 11, 2004

Symposium in Genetics  
Pedro Ruiz Gallo National University  
“*Cancer Cytogenetics*”  
Lambayeque, Peru

Invited Lecturer  
June 11, 2004

Instituto Nacional de Enfermedades Neoplásicas  
“*FISH in Cytogenetics: Hematological Malignancies*”  
Lima, Peru

Invited Speaker  
June 10, 2004

Genetics Symposium  
Pedro Ruiz Gallo National University  
“*Cancer Cytogenetics*”  
Lambayeque, Peru

Invited Lecturer  
April 24, 2004

First Annual Texas Genetics Symposium  
The University of Texas, M.D. Anderson Cancer Center  
Houston, TX

Invited Lecturer  
December 4, 2003

Guest Speaker Seminar  
University of Rochester, Department of Pathology  
“*FISH in Hematological Malignancies*”  
Rochester, NY

Invited Lecturer  
October 24, 2003

Guest Speaker Seminar  
Wisconsin State Laboratory of Hygiene  
Host: Dr. Armand Glassman  
University of Wisconsin, Department of Pathology  
“*FISH in the Cytogenetics Laboratory: Hematological Malignancies*”  
Madison, WI

Invited Lecturer  
September 26, 2003

Guest Speaker Seminar  
MD Anderson Cancer Center  
Division of Pathology, Section of Cytogenetics  
“*FISH in the Cytogenetics Laboratory: Malignancies*”  
Houston, TX

Invited Lecturer  
April 10 – 11, 2003

IV Peruvian Congress of Genetics  
Universidad Agraria La Molina  
Lecturer in Cancer Cytogenetics  
Lima, Peru

Invited Lecturer  
August 9 – 12, 2000



Workshop in Human Genetics Universidad Nacional Pedro Ruiz Gallo “ <i>Cell Cycle Checkpoints and Cancer</i> ” Lambayeque, Peru	Invited Lecturer April 8, 2000
Lecture in Human Genetics Universidad Nacional, Pedro Ruiz Gallo “ <i>Molecular Cytogenetics of Pancreatic Cancer</i> ” Lambayeque, Peru	Invited Speaker September 20, 1999
Second Peruvian Workshop in Human Cytogenetics Universidad Nacional, Pedro Ruiz Gallo “ <i>Genomic Imprinting in Cancer</i> ” Lambayeque, Peru	Invited Lecturer December 28, 1998
First Peruvian Workshop in Human Cytogenetics Universidad Nacional, Pedro Ruiz Gallo “ <i>Cell Cycle Checkpoints and Cancer</i> ” Lambayeque, Peru	Invited Speaker June 29, 1998
The Jake Gittlen Cancer Research Institute Penn State College of Medicine Seminar Host: Dr. Keith Cheng “ <i>Molecular Cytogenetics of Pancreatic Cancer</i> ” Hershey, PA	Invited Lecturer May 20, 1998
International Course, General Coordinator Ultimos Avances en Citogenetica y Biologia Molecular Universidad Peruana Cayetano Heredia, Department of Biology Lima, Peru	Lecturer November 13 – 15, 1997
X Peruvian Congress of Microbiology & Parasitology Lambayeque, Peru	Invited Lecturer October 1997
II National Congress of Students of Biology National University of Trujillo La Libertad, Peru	Invited Lecturer August 1997
XII Peruvian Congress of Biology Ayacucho, Peru	Invited Lecturer November 14 – 15, 1996
“ <i>Avances en Citogenetica Y Biologia Molecular</i> ” Universidad Peruana Cayetano Heredia, Department of Biology Lima, Peru	Coordinator, Lecturer November 14 – 15, 1996
IX Workshop, Universidad Peruana Cayetano Heredia Lima, Peru	Invited Lecturer September 1996
Basic Course of Cytogenetics Instituto Nacional de Enfermedades Neoplásicas Lima, Peru	Invited Lecturer August 1996
Universidad Peruana, Cayetano Heredia	Invited Lecturer

“ <i>Studies in Molecular Cytogenetics of Pancreatic Cancer</i> ” Lima, Peru	June 1996
Centro de Investigación en Cáncer, Maes Heler “ <i>Studies in Molecular Cytogenetics of Pancreatic Cancer</i> ” Lima, Peru	Invited Speaker June 1996
Almanzor Aguinaga Hospital IPSS “ <i>Cell Cycle Checkpoints and Cancer</i> ” Chiclayo, Peru	Invited Lecturer August 1995
Centro de Investigación en Cáncer, Maes Heler Lima, Peru	Invited Lecturer July 1995
Arizona State University General Genetics Course Course of Dr. Elliot Golstein “ <i>Protein Synthesis</i> ” Tempe, AZ	Instructor (TA of the Genetics Course) April 1995
Arizona State University General Genetics Course Course of Dr. Winifred Doane “ <i>Cancer</i> ” Tempe, AZ	Teaching Assistant October 1994
XII Peruvian Congres of Pathological Anatomy “ <i>Genetics of Cancer</i> ” “ <i>Plasticity &amp; Cytogenetics in Pancreatic Cancer</i> ” Ica, Peru	Invited Lecturer October 14 – 15, 1994
I International Course of Molecular Biology Instituto Nacional de Enfermedades Neoplásicas Lima, Peru	Invited Lecturer October 10 – 13, 1994
Symposium Universidad Nacional, Pedro Ruiz Gallo “ <i>Cytogenetics of Cancer and Leukemias</i> ” Lambayeque, Peru	Invited Lecturer August 4 – 6, 1994
Universidad Nacional, Pedro Ruiz Gallo “ <i>Cytogenetic Findings in Cancer of Pancreas</i> ” Lambayeque, Peru	Invited Lecturer August 6, 1993
Centro de Investigación en Cáncer, Maes Heller Lima, Peru	Invited Lecturer July 4, 1993

### VIII. ABSTRACTS, POSTERS & PLATFORMS

- 1) Stone JF, **Tirado CA**, Sandberg AA. 1996. CGH analysis of pancreatic tumor cell lines. Identification of a consistent amplicon at 1q31. *The American Journal of Human Genetics* (A: 444) 59(4):A83.
- 2) **Tirado CA**, Stone JF, Sandberg AA, Torres ML. 1998. Reverse chromosome painting studies in pancreatic cancer cell lines. *The American Journal of Human Genetics* 63(4):A152.

- 3) Goodman BK, Golembiewski-Ruiz V, **Tirado CA**, Kishnani PS, Stenzel TT, Lancaster JM, Robboy SJ. 2002. Mosaicism and endometrial carcinoma in an adult Turner Syndrome patient. *The American Journal of Human Genetics* 71(4):304.
- 4) **Tirado CA**, Golembiewski-Ruiz V, Moore JO, Buckley PJ, Goodman BK. 2002. B-cell prolymphocytic leukemia with translocation 11;14: is it B-PLL or is it a leukemic variant of mantle cell lymphoma?. *The American Journal of Human Genetics* 71(4):227.
- 5) Golembiewski-Ruiz V, **Tirado CA**, Goldstein J, McDonald MT, McKonckie-Rosell A, Goodman BK. 2002. Cytogenetic and FISH Analysis of an interstitial 1q deletion. *The American Journal of Human Genetics* 71(4):305.
- 6) Curesky K, Golembiewski-Ruiz V, **Tirado CA**, Goodman B. 2002. Correlation of G-banding analysis and Multicolor FISH. *The Journal of the Association of Genetic Technologists* 28(3):115.
- 7) Coleman LW, Herman CM, Goodman BK, Madden JF, Golembiewski-Ruiz VA, Molino AC, **Tirado CA**, Grichnik JM, Selim MA. 2002. Abnormalities of chromosome 7 in Thin Lethal Melanomas by Fluorescence In Situ Hybridization on Paraffin-embedded material. 39<sup>th</sup> Annual Meeting of the American Society of Dermatopathology. Phoenix, Arizona (10/10/2002-10/13/2002)
- 8) **Tirado CA**, Lager J, Golembiewski-Ruiz V, Rosoff P, Gong J, Goodman B. 2003. A case of infantile ALL presenting with rearrangement of MLL at 11q23 and apparent insertion/translocation at 10p12. *American Journal of Human Genetics* 73(A):752:298.
- 9) Sebastian S, **Tirado CA**, Moore JO, Goodman BK. 2003. Molecular and cytogenetic characterization of a novel rearrangement involving chromosomes 9, 12 and 17 resulting in ETV6(TEL) and ABL fusion in a patient with BCR/ABL-negative Chronic myeloid leukemia. American College of Molecular Pathology Meeting 2003.
- 10) Safley AM, Sebastian S, Collins TS, **Tirado CA**, Stenzel TT, Gong JZ, Goodman BK. 2003. Molecular and cytogenetic characterization of a novel translocation 4;22 involving the Breakpoint Cluster Region and Platelet-derived Growth Factor Receptor-alpha genes in a patient with Chronic Myelogenous Leukemia. *American Journal of Human Genetics* 73(A292):220.
- 11) Meloni-Ehrig AM, **Tirado CA**, Chen K, Jahn J, Suchan S, Scheerle J, Crosby MG, Seibel N, Leitenberg D, Mowrey P. 2004. Deletion (14)(q21) in a case of precursor B-cell acute lymphoblastic leukemia. Quest Diagnostics Nichols Institute Symposium. September 2004.
- 12) **Tirado CA**, Jahn JA, Scheerle J, Eid M, Meister RJ, Christie RJ, Croft CD, Wallingford S, Heritage DW, Mowrey PN, Aurelia M. Meloni-Ehrig. 2004. Variant APL t(15;17) originating from two subsequent balanced translocations involving the same chromosomes 15 and 17 while preserving the PML/RARA fusion. American Society of Human Genetics Meeting, Toronto, Canada, October 26-30, 2004.
- 13) **Tirado CA**, Meloni-Ehrig AM, Burks K, Wallenhorst E, Scheerle J, Kelly JC, Heritage D, Spira A, Glasser L, Mowrey P. 2005. Two cases of dic(17;20)(p11.2;q11.2): an uncommon cytogenetic abnormality associated with poor prognosis . American Society of Human Genetics Meeting, Salt Lake City, Utah. October 25-29, 2005.
- 14) Meloni-Ehrig AM, **Tirado CA**, Scheerle J, Beveridge R, Ueno WM, Francis P, Croft CD, Mowrey P. 2005. Complex translocation (8;14;18)(q24;q32;q21) in an aggressive follicular lymphoma. American Society of Human Genetics Meeting, Salt Lake City, Utah. October 25-29, 2005.
- 15) **Tirado CA**, Meloni-Ehrig AM, Edwards T, Scheerle J, Burks K, Repetti C, Christacos NC, Kelly JC, Greenberg J, Murphy C, Croft CD, Heritage D, Mowrey PN. 2006. Cryptic ins(4;11)(q21;q23q23): a Variant of

t(4;11)(q21;q23) in an Infant with a Precursor B-cell Acute Lymphoblastic Leukemia. American Society of Human Genetics Meeting, New Orleans, Louisiana. October 9-13, 2006.

- 16) Valdez FJ, **Tirado CA**, Henderson S, Horna P, Doolittle J, Garcia R, Auchus M, Collins RH. 2009. A cryptic t(1;21;8)(p36.1;q22;q22): A variant involving a single RUNX1/CBFA2T1 fusion in a patient with acute myeloid leukemia (AML-M2). American Society of Human Genetics Meeting, Honolulu, Hawaii, October 20-24, 2009.
- 17) Uddin N, Chen W, Arbin A, Klesse L, Karandikar N, Fustino N, Almiski M, Holdridge S, Doolittle J, Villalobos I, **Tirado CA**. 2009. Acute myeloid leukemia with inv(16), 3'CBFB deletion, variant t(9;22) & del(7)(q) in a pediatric patient, a case report. American Society of Human Genetics Meeting, Honolulu, Hawaii, October 20-24, 2009.
- 18) Garcia R, Uddin N, Villalobos I, Holdridge S, Chastain C, Doolittle J, **Tirado CA**. 2009. Recurrent aberrations in High Grade B-Cell Lymphomas with concurrent 8q24/MYC Rearrangements and t(14;18). American Society of Human Genetics Meeting, Honolulu, Hawaii, October 20-24, 2009.
- 19) Henderson S, Uddin N, Stewart E, Iyer S, Ratner IM, Matthews E, Doolittle J, Garcia R, Valdez F, Dallaire S, Payne D, Collins R, **Tirado CA**. 2009. Cytogenetic and Molecular Characterization of a Partial Trisomy 2p Arising from Inverted Duplication of 2p with Terminal Deletion of 2pter. American Society of Human Genetics Meeting, Honolulu, Hawaii, October 20-24, 2009.
- 20) Garcia R, Seegmiller A, Maleki A, **Tirado CA**, Chen W. 2010. Recurrent Aberrations in High Grade B-Cell Lymphomas with *IG-MYC* Rearrangement and their Impact on Survival. Presented at the 2010 US & Canadian Academy of Pathology Meeting. Washington D.C., March 20-26, 2010
- 21) Lou Z, Zhang J, **Tirado CA**, Slone T, Zaremba CM, Oliver D, Chen W. 2010. Infantile Mixed Phenotype Acute Leukemia (Bilineal and Biphenotypic) with t(10;11)(p12;q23); MLL-MLLT10. 2010 American Cytogenetics Conference Meeting, Ontario, Canada, May 13-16, 2010.
- 22) Hiemenz M, Chen W, Huang LJ, Laborde C, Lou Z, Valdez F, Winick N, Ho K, Koduru P, **Tirado CA**. 2010. Novel *JAK2* rearrangement resulting from a t(9;22)(p24;p11.2) in B lymphoblastic leukemia. American Society of Human Genetics Meeting. Washington DC, November 2-6, 2010.
- 23) Torgbe E, **Tirado CA**, Gotway G, Valdez F, Suterwala M, Iyer S, Garcia R, Shah N, Dallaire S, Appleberry T, Pichurin P, Koduru P. 2010. Recombinant chromosome 7 in a mosaic triple X/Turner patient. American Society of Human Genetics Meeting. Washington DC, November 2-6, 2010.
- 24) Davila O, Garcia R, Garay N, Koller M, Liu YH, Koduru P, **Tirado CA**. 2010. Secondary Chromosome Aberrations in Non-Hodgkin Lymphoma with *IG/MYC* Rearrangement defined Burkitt Lymphoma from Diffuse Large B-cell Lymphoma: A meta-analysis of Cytogenetic Data. American Society of Human Genetics Meeting. Washington DC, November 2-6, 2010.
- 25) Garay N, Garcia R, **Tirado CA**. 2010. Comparison of Secondary Chromosome Aberrations between Follicular Lymphoma and Diffuse Large B-Cell Lymphoma with t(14;18): Review from the Mitelman Data Base. American Society of Human Genetics Meeting, Washington DC, November 2-6, 2010.
- 26) Lou Z, **Tirado CA**, Chen W, Garcia R, S. Iyer, J Doolittle, P. Koduru. 2010. Interphase FISH and chromosome Analysis on ETV6/RUNX1-positive childhood acute lymphoblastic leukemia reveal an increased risk in a patient with additional copies of both normal and derivative chromosome 21. 2010 American Society of Human Genetics Meeting. Washington DC, November 2-6, 2010.
- 27) Martinez D, Garcia R, Koduru P, **Tirado CA**. 2011. Recurrent Cytogenetic aberrations predict MYC breakpoints in diffuse large B-cell lymphoma and help define Burkitt lymphoma versus diffuse large B-cell lymphoma with MYC rearrangements. 12th International Congress of Human Genetics, Montreal Oct 11-15, 2011.

- 28) Wakim JJ, **Tirado CA**, Chen WC. 2011. The first case of a Ph-negative acute promyelocytic leukemia following imatinib for chronic myeloid leukemia. 12th International Congress of Human Genetics , Montreal Oct 11-15, 2011.
- 29) Hiemenz M, Chen W, Winick N, **Tirado CA**. 2011. Coexistence of t(12;21)(p13;q22)/ETV6-RUNX1 and MLL rearrangement in a pediatric patient with B-lymphoblastic leukemia. 12th International Congress of Human Genetics , Montreal Oct 11-15, 2011
- 30) Bui PH, Amarillo I, Shackley BS, Rao N, **Tirado CA**. 2012. A t(8;14)(q24;q32) translocation resulting in an atypical IGH/MYC genomic fusion in clinically aggressive chronic lymphocytic leukemia. 2012 American Cytogenetics Conference, San Antonio, Texas, April 19-22, 2012.
- 31) Starshak P, Linhares Y, Delgado P, Rao PN, **Tirado CA**. 2012. T-cell prolymphocytic Leukemia (T-PLL), a heterogeneous disease exemplified by two cases and the important role of cytogenetics. American Cytogenetics Conference 2012, San Antonio, Texas, April 19-22, 2012.
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