

Maria Nieto
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Education:

1984-1989 University of California, Berkeley, CA; Department of
Microbiology/Immunology; Ph.D.

1980-1984 Loyola Marymount University, Los Angeles, CA; Bachelor of
Science Degree

Professional Experience:

1999-present Professor of Biological Sciences at California State
University, East Bay (formerly Calif. State Univ., Hayward)

1994-1999 Associate Professor of Biological Sciences at California
State University, Hayward

1989-1993 Assistant Professor of Biological Sciences at California
State University, Hayward

1984-1989 Doctoral student in the Department of
Microbiology/Immunology at University of California at
Berkeley; Thesis Advisor - Dr. Robert Goodenow

Teaching Experience:

1989-present Lecture and laboratory instructor for graduate and
undergraduate (major and non-Major) level courses.

Graduate Courses Taught:

Immunochemistry (lecture and laboratory)
Graduate Seminar in Molecular Biology
Graduate Seminar in Special Topic (HIV)

Biology Major Undergraduate Courses Taught:

Cell and Molecular Biology (lecture and laboratory)
Immunology (lecture and laboratory)
Biology Information Seminar

Biology Non-Major Courses Taught:

Introduction to Biology (lecture and laboratory)
Genes and Heredity
Humans and Sex

1999-2009 Provide an annual seminar course on the "Biology of Cancer"
to graduate level student participants of the Minority
Training Program in Cancer Control Research (MTPCCR);
University of California, San Francisco.

1993-2003 Instructor for the NIH (National Institutes of Health) sponsored Bridges to Baccalaureate Degree Program. Instruction involved designing and implementing a lecture and laboratory course on Protein Chemistry Techniques for community college students on the CSUH campus. The course met 8 hours each day during a 1-week period.

Research and Teaching Related Activities:

2003-2006 Contracted to write an Immunology Textbook for Benjamin-Cummings with a colleague from the University of San Francisco. Responsibilities included the writing of all chapter text, summary reviews, summary test questions, tables, and figures.

2001-2006 Program Director for the NIH sponsored Minority Biomedical Research Support (MBRS) - Research Initiative for Scientific Enhancement (RISE) Program. MBRS-RISE provided funds to support academic development and research training activities for campus enrolled undergraduate and graduate students.

Duties involved programmatic management, implementation, and assessment. Weekly contact with student participants was initiated to provide mentoring as a means of securing student advancement into higher degree programs such as those awarding a Ph.D. and the joint M.D./Ph.D.

2000-2010 Program Director for the NIH sponsored MBRS - Support of Continuous Research Excellence (SCORE) Program. MBRS-SCORE provides funds to support the activities of research investigators on the campus.

Duties involve programmatic management, implementation, and assessment.

1992-2003 Participated as a Co-Investigator for the NIH sponsored Bridges to the Baccalaureate Degree Program. This NIH program sponsored 12 community college students to participate in bio-medical research related activities during an 8-week period during the summer.

Duties involved the development and delivery of a 1-week laboratory intensive course in protein chemistry, and sponsorship of the independent research activities of 2-3 Bridges students during a 4-week period.

1993-2000 Participated as a Research Investigator and Program Director for the NIH sponsored Minority Biomedical Research Support (MBRS) Program. This NIH program sponsored the biomedical and behavioral research activities of faculty investigators at minority serving institutions. The program also supported the independent research projects of 12-14 undergraduate and/or graduate students in a given year.

Duties involved programmatic management, implementation, and assessment. Weekly contact with student participants was initiated to provide mentoring as a means of securing student advancement into higher degree programs such as those awarding a Ph.D. and the joint M.D./Ph.D.

Advising/Mentorship Experience:

- 2008-2014 Graduate Coordinator, Department of Biological Sciences
- 1989-present Provide advising and mentoring for CSU students (some examples provided below).
- Sponsored 3 students that were awarded California Pre-Doctoral Fellowships.
 - To date have directed 11 Master Degree students through to the completion of their theses.
 - To date have directed more than 26 undergraduate students in wet laboratory bench research activities.
- 1999-2009 Provide advising for the students admitted to the Minority Training Program in Cancer Control Research (MTPCCR); University of California at San Francisco.
- 1993-2006 Provided advising and mentorship to students admitted to the Minority Biomedical Research Support (MBRS) Program.
- 1999-2003 Served as advisor to students in the Liberal Studies Program. Provided students with information on K-8 teaching credential requirements.

Grant Management and Programmatic Activities:

Program Director:

- 1994-2010 National Institutes of Health - Minority Biomedical Research Support (MBRS) Programs
(total awards; >\$12,000,000)

Regular Investigator:

- 1993-2000 National Institutes of Health - Minority Biomedical Research Support (MBRS) Program
(total awards; >\$600,000)

Principal Investigator:

- 1994-1997 NSF Grant; Minority in Research Institutions (MRI)
(total award; >\$250,000)

Co-Investigator:

- 1993-2001 National Institutes of Health - Bridges to the Baccalaureate Degree Program
(total awards; >\$1,000,000)

Sampling of Professional Committees/Service:

1999-2005 Advisory Committee Member and Guest Speaker for the Minority Training Program in Cancer Control Research (MTPCCR) Summer Institute.

2000 Chapter Reviewer for Pearson (Benjamin Cummings) Publishers

1997 Chapter Reviewer for Addison, Wesley and Longman Publishers

1996-1997 NIH Review Panel Participant for MBRS Research Subprojects

1996 Peer Reviewer for the National Research Council Proposals

1995 NIH Site Visit Participant for the Research Centers for Minority Institutions Program at the University of Puerto Rico Medical Sciences Campus

1994 NIH Review Panel Participant for Bridges to the Baccalaureate Degree Program

Sampling of Academic Committees:

2008-2014 Graduate Coordinator, Department of Biological Sciences

2008 Back to the Bay (CSUEB) Panel Speaker on Diversity in the Classroom

2007-2008 McNair Scholars Selection Committee Member

2005-2007 Member, Faculty Search Committee
College of Science PTR Committee Member

2004-2005 Chair, Faculty Search Committee

2004-2005 WASC Accreditation Committee Member

2003-2004 WASC Mission Committee Member

1999-2000 Basic Skills Committee Member

1999-2000 CSUH Mentoring Program Advisory Committee Member
Departmental PTR Committee Member

1997-1998 CSUH Academic Senate Executive Committee Member

1993-1997 CSUH Academic Senator
Forgivable Loan Selection Committee Member
Graduate Equity Scholarship Committee Member

1990-1995 Departmental Curriculum Committee Member
Departmental Radiation Safety Committee Member
Departmental Graduate Committee Member

1994-1995 University Future Committee Member

1990-1994 Writing Skills Committee Member

Published Reviewed Abstracts:

Lymphocyte Infiltration into Sponge Allografts. EMSA/MAS Annual Meeting in San Jose, California, 1991. Suresh, A., Smith, N., Martinez, O. and Nieto, M.

Lymphocyte Infiltration within a Sponge Allograft. Presented at the Annual California State University Electron Microscopy Colloquium in Long Beach, California, 1991. Suresh, A., Smith, N., Martinez, O. and Nieto, M.

Preliminary Identification of a Beta-2 Microglobulin Associated Protein on the Surface of BB-111 Fish Cells. Presented at The Society for Advancement of Chicanos and Native Americans in Science Annual Meeting in Albuquerque, New Mexico, 1993. Contreras, B., Dixon, B. and Nieto, M.

Preliminary Identification of a Beta-2 Microglobulin Associated Protein on the Surface of BB-111 Fish Cells. Presented at The World Aquacultural Society Meeting in Barcelona, Spain, 1993. Contreras, B., Dixon, B. and Nieto, M.

Null B2m Expression in a Breast Cancer Cell Line. Presented at the National Minority Research Symposium in Miami, Florida, 1996. Santos, M., Rodriguez, R., Curr, K., Wong, S., Schultz-Witherell, C. and Nieto, M.

Effect of B2m Mutations on Class I Structure. Accepted for presentation at the National Minority Research Symposium in New Orleans, Louisiana, 1997. Rodriguez, R., Schultz, C. and Nieto, M.

Impact of a B2m Mutation on Epitope Expression. Presented at the National Minority Research Symposium in Phoenix, Arizona, 1999. Nguyen, T., Ahmed, A., Dimaano, C., Abel, E. and Nieto, M.

Impact of a B2m Mutation on Epitope Expression. Presented at The CSU Biotechnology Symposium in Pomona, California, 2000. Nguyen, T., Ahmed, A., Dimaano, C., Abel, E. and Nieto, M.

Scientific Journal Publications:

The Association of H-2L^d with Human Beta-2 Microglobulin Induces Localized Conformational Changes in the Alpha-1 and 2 Superdomain. Nieto, M., McKinney, D., McMillan, M. and Goodenow, R. Immunogenetics 30: 361-364, 1989.

Overlapping Palindromic Sequences Associated with Somatic Deletion and Meiotic Recombination of MHC Class I Genes. Vogel, J., Nieto, M., Fischer, A. and Goodenow, R. *Molecular Immunology* 27: 875-886, 1990.

Alteration Within a Discrete Region of the H-2L^d Alpha-1 Helix Upon Association with Human Beta-2 Microglobulin. Smith, M., Basora, T., Kieran, J. and Nieto, M. *Immunology and Cell Biology* 71: 1450149, 1993.

A Demonstration of B2m Specific Association with the Surface of Teleostean Cells. Kunich, J., Contreras, B., Recktenwald, D. and Nieto, M. *Developmental and Comparative Immunology* 18: 483-494, 1994.

Effect of B2m Mutations on the Alpha-1 Helical Region of H2-L^d. Schultz, C., Rodriguez, R., Dimaano, C., Chew, E., Li, F.M. and Nieto, M. *Immunogenetics* 48: 273-282, 1998.

A Point Mutation in Beta-2 Microglobulin Results in Loss of Epitope Expression. Dimaano, C., Nguyen, T., Ahmed, A., Abel, E., Schultz, C. and Nieto, M. *Tissue Antigens*, 56:473-475, 2000.

Whole Genome Sequencing Identifies a Cryptic SOX9 Regulatory Element Duplication Underlying A Case of 46,XX Ovotesticular Difference of Sexual Development (DSD). Qian, Z., Grand, K., Freedman, A., Behlmann, A., Nieto, M., Schweiger, B. and Sanchez-Lara, P. *American Journal of Medical Genetics, Part A* 1-7, 2021. <https://doi.org/10.1002/ajmq.a.62373>

Other Publications:

Marriage and Biology: Defining a Man and Woman is Harder than You Might Think. Nieto, M. *East Bay Express*, 30 (47):7, 2008.

Anatomy is Destiny, Except Sometimes. Nieto, M. *The Gay and Lesbian Review*, 15(6):22-23, 2008.

Pig behind The Bear – A Work of Fiction. Nieto, M. Floricanto Press, Publication Release October, 2012.

Brief of Dr. Maria Nieto as Amicus Curiae Supporting Respondents. Supreme Court of the United States, No. 12-144 *Dennis Hollingsworth, et al v. Kristen Perry, et al.* 2013

The Water of Life Remains in the Dead – A Work of Fiction. Nieto, M. Floricanto Press, Publication Release November, 2015.

Pan De Muerto – Short Story Fiction. Nieto, M. Chiricú Journal: Latina/o Literatures, Arts, and Cultures (Indiana University Press) Vol. 1, Number 2:191-197, 2017.

The Spectrum of Sex: The Science of Male, Female, and Intersex. Vilorio, H. and Nieto, M. Jessica Kingsley Publishers – Hachette Book Group, February, 2020.

Book Awards:

2016 - First Place International Latino Book Award for *The Water of Life Remains in the Dead* (Latina Themed Book)

2016 - Second Place International Latino Book Awards for *The Water of Life Remains in the Dead* (YA and Mystery)

2016 - First Place Next Generation Indie Book Award for *The Water of Life Remains in the Dead*

2015 - First Place International Latino Book Award for *Pig Behind The Bear* (Latino Focused Fiction)

2015 - Silver Medal Independent Publishers Award for *Pig Behind The Bear*

2015 - *The Water of Life Remains in the Dead* ranked #5 on the Latino Author's top ten list

2014 - Second Place Latino Books Into Movies Award for *Pig Behind The Bear* (Mystery)

2014 - Second Place International Latino Book Award for *Pig Behind The Bear* (Mystery)