

MARCIA EISENBERG

Work: Laboratory Corp. of America Holdings, Inc.
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Education

1972-1976 Bronx High School of Science. Bronx, New York.
1976-1980 SUNY Albany. B.S. Biology, B.A. Psychology. Albany, New York.
1980-1983 SUNY Albany. M.S. Molecular Biology. Albany, New York.
1985-1989 University of Kentucky. Ph.D. Molecular Biology. Lexington, Kentucky.

Research and Work Experience

1980-1983	M.S. Thesis. Dr. Thomas Barnett, Advisor. Project: Structural analysis of the <u>Drosophila</u> transposable element, TE6.
1983-1984	Research Assistant. SUNY Albany. Laboratory of Dr. Corrado Baglioni. Project: Interferon mRNA expression during viral or mock viral infection of mouse fibroblasts.
1984-1985	Research Assistant: University of Kentucky. Laboratory of Dr. Christopher Osgood. Project: Molecular characterization of chemically induced mutations in <u>Drosophila</u> .
1985-1989	Ph.D. Thesis. Dr. John Rawls, Advisor. Project: Molecular localization of the <u>Drosophila</u> rudimentary-like locus and definition of its transcription unit.
1989-1990	Post-doctorate. NIEHS. Laboratory of Dr. Robert Voelker. Project: Molecular characterization of the <u>Drosophila</u> suppressor of sable protein product.
1990-1993	Associate Director, Identity. Roche Biomedical Laboratories Development of PCR based tests for use in Identity testing.

1993- 1997	Director, Research & Development and Forensic Identity Testing. Laboratory Corporation of American Holdings, Inc. (formerly Roche Biomedical Laboratories).
1997- 1998	Director, Research/Development and Automation and Forensic Identity Testing. LabCorp.
1998- 1999	Sr. Director, Genomics/R&D/Automation and Forensic Identity Testing. LabCorp.
1999-2002	Associate Vice President, Genomics/R&D/Automation and Forensic Identity Testing. LabCorp.
2002-2003	Associate Vice President, Genomics/R&D/Automation, Molecular Genetics and Oncology and Forensic Identity Testing. LabCorp.
2003 –present	Vice President, Genomics/R&D/Automation, Molecular Genetics and Forensic Identity Testing. LabCorp.

Publications

M.S. Thesis. Structural Analysis of the Drosophila Transposable Element, TE6. 1983. Albany, New York.

Lacy, Laura R., Marcia T. Eisenberg and Christopher Osgood. 1986. Molecular analysis of chemically induced mutations at the Rp11215 locus of Drosophila melanogaster. Mutation Research. 1988 162:47-54.

Ph.D. Thesis. The Molecular Characterization of the Drosophila UMP Synthase Gene. 1989. Lexington, Kentucky.

Eisenberg, Marcia, Karen Gathy, Teresa Vincent and John Rawls. Molecular cloning of the UMP synthase gene rudimentary-like from Drosophila melanogaster. Molecular and general genetics. 1990. 222:1-8.

Voelker, Robert, Willie Gibson, Joan Graves, Joan Sterling and Marcia Eisenberg. The Drosophila suppressor of sable gene encodes a ~ 150 Kd nuclear protein with a region of similarity to RNA binding proteins. Molecular and General Genetics. Feb. 1991. 894-905.

Voelker, Robert, Joan Graves, Willie Gibson and Marcia Eisenberg. Mobile element insertions causing mutations in the Drosophila suppressor of sable locus occur in DNase hypersensitive nontranslated sequences. Genetics. 1990. 126:1071-1082.

Eisenberg, Marcia and Joseph Chimera. The use of AMPFLPs in identity testing. *Crime Laboratory Digest*. 1991. 18:183-186

Eisenberg, M., Maha, G., Mason, J., Chimera, J., AMPFLP Analysis in Parentage Testing in *Proceedings for the 2nd International Symposium on human Identification*, 1991. 129-154.

Eisenberg, Marcia and Joseph Chimera. Human Identification by DNA Analysis. The amplification fragment length polymorphism (AMPFLP) analysis technique. In *Practical Approach Series*, IRL Press. 1992 pp. 183-192.

Eisenberg, Marcia, Kirkpatrick, R. and Rawls, J. 1993. Structure of the rudimentary-like gene and UMP synthase in *Drosophila melanogaster*. *Gene*. 124:263-267.

Eisenberg, Marcia et al., PCR-based Analyses for Identity Testing in the *Proceedings for the Fourth International Symposium on Human Identification*, 1993. 189-199.

Eisenberg, Marcia et al., PCR-Based Analyses for Identity Testing in the *Proceedings of Advances in Forensic Haemogenetics*, 15th Congress of the International Society for Forensic Haemogenetics, Vienna. Oct. 13-15, 1993. 357-359.

P. Kimball, J. Ham, A. King, B. Fisher, M. Eisenberg, C. Rhodes, H.M. Lee and M. Posner. Abstract. Graft Versus Host Disease Following Kidney/Pancreas Transplantation. *Human Immunology*. The American Society for Histocompatibility and Immunogenetics. Oct. 6-11, 1995.

Mason, J.M., G.C. Maha, G.M. Stuhlmiller, U. Heine and M. Eisenberg. 1995. Application of DNA Analysis to Human Identification in *Molecular Genetics in Diagnosis and Research*, R.W. Allen and J.P. AuBuchon, eds.

Palumbo, P., J. Skurnick, D. Lewis and M. Eisenberg. 1995. PCR Analysis of HIV-Seronegative, Heterosexual Partners of HIV-Infected Individuals. *Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology*. 10:436-440.

Kimball, P., R. Fisher, M. Eisenberg, A. King, J. Ham, C. Rhodes, M. Posner. Lethal Graft versus Host Disease Following Single Kidney Pancreas Transplantation. *Transplantation*.

Pratt, VM, Brown T., Kam-Morgan-L., Eisenberg, M. and Anderson, SM. 1999. Mutation detection and referral testing for cystic fibrosis. Is more always better? *J. Mol. Diag.* 1(1):44 (abstract).

Attard, TM, Cuffari, C, Tajouri T, Stoner, JA, Eisenberg, MT, Yardley ,JH, Abraham, SC, Perry, D, Vanderhoof, J and Lynch, HT. (in Press). Multicenter Experience with Upper Gastrointestinal Polyps in Pediatric Patients with Familial Adenomatous Polyposis. *American Journal of Gastroenterology*.

Presentations

Poster. 28th Annual Drosophila Research Conference. May 20-24, 1987.

Poster. 1st Annual Meeting on Cellular Proliferation and Differentiation. Jan. 16, 1988. Lexington, Kentucky.

Presented Paper. 1988 Midwest Drosophila Conference. Oct. 21-22, 1988. Allerton Park, Illinois.

Poster. 30th Annual Drosophila Research Conference. April 26-30, 1989. New Orleans, Louisiana.

Presented Paper. Southeast Regional Dev. Biol. Conference. May 18-20, 1989. Raleigh, North Carolina.

Poster. 31st Annual Drosophila Research Conference. March 20-25, 1990. Pacific Grove, California.

Presented Paper. 1991 International Symposium on Human Identification. April 9-12, 1991. Madison, Wisconsin.

Presented Paper. Forensic Applications of PCR Technology. May 29-31, 1991. FBI Academy, Quantico, VA.

Poster. American Association of Forensic Scientists. February 15-19, 1993. Boston, MA.

Presented Paper. Second International Symposium on the Forensic Aspects of DNA Analysis. March 29 - April 2, 1993. FBI Academy, Quantico, VA.

Poster. Second International Symposium on the Forensic Aspects of DNA Analysis. March 29 - April 2, 1993.

Presented Paper. Fourth International Symposium on Human Identification. October, 1993. Scottsdale, Arizona.

Presented Paper. American Chemical Society.. May 26, 1994. Baltimore, Md.

Presented Paper. NCSCLS/NCSSAMT. October 7, 1994. Greensboro, N.C.

Presented Paper. Fifth International Symposium on Human Identification. October 9 -12, 1994. Scottsdale, Arizona.

Presented Papers. Carolina Clinical Connection. March 7 - 1-, 1995. Myrtle Beach, S.C.

Poster. 15th Congress of the International Society for Forensic Haemogenetics, Vienna. Oct. 13-15, 1993.

Poster. Sixth International Symposium on Human Identification. October 11-14, 1995. Scottsdale, Arizona.

Presented Paper. DNA Databanks and Repositories. Dec. 8-9, 1995. Birmingham, Alabama.

Poster. Seventh International Symposium on Human Identification. September 18-20, 1996. Scottsdale, Arizona.

Poster. American Academy of Forensic Scientists. February 17-22, 1997. New York, New York.

Presented Paper. Advanced DNA Technologies: Automation and Application. Workshop at the American Academy of Forensic Scientists. February 17-22, 1997. New York, New York.

Presented Paper. Seizing Opportunities in Emerging Biochip Technologies. Scientific Breakthroughs and Commercial Applications. September 22-23, 1997. San Diego, CA.

Posters. Eighth International Symposium on Human Identification. September 17-20, 1997. Scottsdale, Arizona.

Poster and co-author on presented paper. American Academy of Forensic Scientists. February 10-14, 1998. San Francisco, California.

Poster. Association for Molecular Pathology. November 5-7, 1999. St. Louis, Missouri.

Poster. American College of Medical Genetics. March 4-7, 2004. Orlando, FL.

Poster. Association for Molecular Pathology. November 10-13, 2004. Los Angeles, CA. Fragile X PCR-based Assay.

Poster. Association for Molecular Pathology. November 10-13, 2004. Los Angeles, CA. HPV Genotyping Assay.

Poster. Digestive Disease Week. May 14-19, 2005. (Submitted). McCormick Place, Chicago, IL.

Honors/Appointments

SUNY Benevolent Association Award. 1982.

University of Kentucky Summer Fellowship Award. 1986, 1987, 1988.

Research Assistantship. Fall, 1986 - Fall, 1987. Fall, 1988.

RBL's President's Achievement Award, 1993

RBL's Circle of Excellence

Appointed to the FBI National DNA Advisory Board (Reappointed April, 1997)

Peer Review Consultant, NIH Technical Assistance and Support Program

National Forensic DNA Review Panel

New York State, Department of Health, Certified Director: Oncology, Molecular
Detection and Paternity/Identity Testing, DNA Testing

LabCorp Scientific Management and Strategic Development Committee

FBI Honoree, Recognition for Contributions to the Advancement of DNA Technology

Reviewer: Forensic Science Review
Forensic Science Communications
Transfusion
Clinical Chemistry

LabCorp Chairman's Award 2001

Successfully completed NIH Clinical Research Training Course