

**Ana María Abréu Vélez, M.D., Ph.D. DrSc.**

**CURRICULUM VITAE**

**Current Position:** Director of Dermatoimmunology and Research  
Georgia Dermatopathology Associates  
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**Websites:** <http://www.gadermpath.com>  
<http://www.facebook.com//Endemic-pemphigus-foliaceus-in-El-Bagre>  
[https://www.researchgate.net/profile/Ana\\_Abreu-Velez](https://www.researchgate.net/profile/Ana_Abreu-Velez)  
<https://www.linkedin.com/pub/ana-abreu-velez/47/a05/1b4/>  
<https://www.doximity.com/profile>  
<https://scholar.google.co.uk/citations?user=YYYYXHdoAAAAJ&hl=en>  
<http://gadermpath.academia.edu/AnaMariaAbreuVelez>  
<http://www.pubfacts.com/author/Ana%20Maria+Abreu-Velez>

**Researcher ID:** D-6384-2014 **Scopus Author ID:** 55915436700 **Orcid.org ID:** 0000-0002-7692-4133

**Languages:** Proficient in English and Spanish. Reads and understands some Portuguese and French.

**Education**

**Postdoctoral Fellowship:** Cancer, immune response, oncogenes, cell cycle regulations and animal models. Winship Cancer Institute, School of Medicine, Emory University, Atlanta, GA, USA, 2005-2007. (<https://winshipcancer.emory.edu/>).

**Postdoctoral Fellowship.** Clinical trials, melanoma, and immune response in sentinel lymph nodes. Institute of Molecular Medicine and Genetics, Medical College of Georgia (Current Georgia Regents University), Augusta, GA, USA, 2001-2004. (<http://www.gru.edu/>).

**Postdoctoral Fellowship and visitant professor.** Skin autoimmune rheumatologic and blistering diseases and immunology.

**Institution:** INSERN, Rouen, France. 1990. (<http://www.inserm.fr/>).

**Postdoctoral Fellowship.** Immunodermatology, clinical laboratory, and molecular biology of the skin. Medical College of Wisconsin, Milwaukee, Wisconsin, USA. 1995-1997. (<http://dermatology.mcw.edu/>).

**Ph.D and Dr.Sc.** Immunology, between the Medical College of Wisconsin, Milwaukee, Wisconsin, USA and the Basic Biomedical Sciences Corporation, School of Medicine, University of Antioquia, Medellin, Colombia, South America, 1994-1998. (<http://www.udea.edu.co/portal/page/portal/SedesDependencias/CienciasBasicasBiomedicas>).

**Residency.** Dermatology. Instituto de Ciencias de la Salud (CES), Medellin, Colombia, South America, 1989-1992. (<http://www.ces.edu.co/>).

**M.D.** Medical Doctor and Surgeon. Instituto de Ciencias de la Salud (CES), Medellin, Colombia, S.A. 1982-1989. (<http://www.ces.edu.co/>).

**B.S.** Bachelor of Science, Academic Bachelor. Saint Mary Catholic School, Medellin, Colombia, South America, 1981. (<http://www.cosamaro.edu.co/>).

## **Summary**

<b>Clinical trials training and expertise</b>
Expertise in clinical trials and human subject protection.
Expertise in skin immunology, autoimmune skin blistering and rheumatology diseases, molecular biology and skin cancer immunology research.
Expertise in clinical dermatology.
Discovered a new variant of endemic pemphigus foliaceus, Pemphigus Abreu-Manu, in Colombia, South America.

## **Experience in administration and clinical trial regulations**

Dr. Ana Maria Abreu Velez is a board certified dermatologist from Colombia, South America with both Ph.D. and Doctor of Science degrees in immunology, and three postdoctoral fellowships; these fellowships included training in all regulatory aspects of clinical trials in the USA and overseas, in autoimmune blistering and rheumatologic diseases and in cancer immunology research. Dr. Abreu is one of the few people in the world with training in basic sciences, clinical trials and the medical field. Dr. Abreu-Velez has a unique expertise combining clinical practice, clinical trials and laboratory research. Dr. Abreu-Velez also has extended experience in developing budgets for new projects, proactively recognizing problems and implementing respective corrective measurements. Dr. Abreu-Velez has the capability to keep regulatory documents up-to-date, she has extensive knowledge in the Bayh-Dole Act and technology transfer. In clinical trials, she has worked with 21 CFR 50.54, and the processes for compliance with Institutional Review Board, informed consent, and medical device, drug and

biologic regulations. Dr. Abreu Velez has experience in Phases 1 through 3 of clinical trials. Dr. Abreu Velez is proficient with electronic records, electronic signatures and new drug investigative applications; and also in patient-reported outcome measures, and their use in medical product development and audits. She is also knowledgeable in financial disclosure regulations for clinical investigators.

She has a distinguished national and international record in academic and private practice medical diagnosis, research, journal review, editing, and in all aspect of immunologic medical research. Dr. Abreu-Velez has extensive experience in autoimmune skin diseases. Through her training and experience, she has gained the capability to interpret and evaluate multifaceted, complex scientific research. Her analytic skills are excellent; her extensive experience gives her the aptitude to interact with a variety of populations and organizations. She also has strong strategic planning skills, with extensive experience handling grants, complying with regulations, saving data and providing reports to funding agencies. Dr. Abreu-Velez has experience assisting in the development of budgets, writing laboratory manuals and laboratory portions of clinical protocols, as well as grant applications. Dr. Abreu-Velez has extended experience collecting, analyzing and interpreting data, as well as presenting such data to diverse groups. Dr. Abreu-Velez is able to interact with clinical and research investigators, with communities and with patients. Dr. Abreu-Velez is outstanding at keeping records, managing complaints, generating periodic work reports, and in creating and submitting manuscripts for publication.

### **Experience in basic sciences and the clinical setting**

Dr. Abreu-Velez has been specifically engaged in the biomedical research and diagnostic testing. Dr. Abreu-Velez has extended experience on peer review panels. Dr. Abreu-Velez has taken part in development and achievement of research policies, to ensure alliance of program goals and outcomes throughout multiple agencies. Dr. Abreu-Velez has three postdoctoral fellowships: in immunodermatology/autoimmune diseases and molecular biology of the skin from the Medical College of Wisconsin in Milwaukee, Wisconsin and in immunology from the INSERN in Rouen, France. Her third fellowship was in cancer research, at the Winship Cancer Institute of Emory University Medical Center in Atlanta, Georgia; in this fellowship she worked in a translational research program aimed in the broad field of cancer immunology, with a focus on the tumor microenvironment. Cancer immunology includes but is not limited to the analysis of tumor-infiltrating hematopoietic and stromal cell function in the context of immune and inflammatory responses to tumors, molecular signatures associated with tumor progression, molecular mechanisms of resistance to immune responses, immune tolerance, metabolism, hypoxia, autophagy, and angiogenesis. Dr. Abreu-Velez also has training in Clinical Trial management, from the Medical College of Georgia/Augusta University in Augusta, Georgia. Dr. Abreu-Velez is a diagnostic and research leader in autoimmune skin diseases, with extensive experience performing multiple fluorochrome immunofluorescence and confocal microscopy. Dr. Abreu-Velez has extensive expertise in diagnostic immunodermatology. Dr. Abreu-Velez

has broad expertise in other clinical laboratory techniques, including: immunoblotting, immunoprecipitation, ELISA, immunohistochemistry and affinity chromatography.

As a leader in her field, Dr. Abreu-Velez has written more than 100 publications as a first author, as well as multiple book chapters and monographs. She has served as an editor and/or reviewer for multiple journals, including the New England Journal of Medicine and Proceedings of the National Academy of Sciences.

### **Specific proficiency in clinical trials**

Dr. Abreu-Velez has been invited as a consultant for multiple clinical trial protocols, and to be a mentor for fellows and students. Dr. Abreu-Velez also has an extensive experience directly managing clinical trials and with government regulations with interaction with multiple Federal US agencies. Dr. Abreu-Velez has over 20 years of research experience and her specific areas of experience include the management of engagements focused on research billing compliance, Institutional Review Board (IRB) operations structure and function, and biorepository development. Dr. Abreu-Velez's focus is proficient in helping organizations to improve their processes, enhance research compliance, improve efficiency and comply with government regulations. (<http://www.fda.gov/scienceresearch/specialtopics/runningclinicaltrials/default.htm>).

### **Professional work experience**

**Director of Dermatoimmunology and Research.** Georgia Dermatopathology Associates, Atlanta, Georgia, 2007-present. ([www.gadermpath.com](http://www.gadermpath.com)).

**Responsibilities and duties:** Joined Georgia Dermatopathology Associates in 2007, working on the immune response in situ in multiple skin cancers, dermatoimmunology and as a research scientist. Responsible for all research activities and for our immunodermatology service. Our facility provides the logistics for the translation of basic science research into practical applications that will benefit patients. Additionally, Dr. Abreu-Velez provides interested investigators assistance in various aspects of conducting research, including designing protocols and budgets, obtaining IRB approval, patient recruitment, logistics of patient evaluation and data collection, and data analysis.

**Professor of Dermatology and Director of Immunodermatology and Clinical Trials,** University of Antioquia, Medellin. Colombia, South America 1998-2014. ([www.udea.edu.co](http://www.udea.edu.co)).

**Responsibilities and duties:** Included performing immunodermatology testing; reporting the results, suggesting special staining for academic and medical purposes. Writing grants and clinical manuscripts. Writing case reports, book chapters, original manuscripts and reviews. Also serving as editor of several medical scientific journals. Mentoring students, residents, and fellows and helping them with their theses and academic career advancement. Other duties included maintaining a bank of serum and samples with import permits from the US Centers of Disease Control (CDC) and pertinent informed consents.

**Postdoctoral Fellow/Clinical Study Coordinator.**

Medical College of Georgia/Augusta University (MCG), Augusta, Georgia, 2004. (<http://gru.edu>).

**Responsibility and Duties:** Clinical trial study coordinator. Dr. Abreu-Velez managed the preparation of site visits, evaluating inclusion, exclusion and contraindication criteria for clinical trials. Dr. Abreu-Velez demonstrated expertise in keeping regulatory folders updated and managing and reporting severe adverse events (SAE) to the funding companies as well as the Federal and Drug Administration (FDA).

**Assistant Research Scientist and Postdoctoral Fellow.**

Institute of Molecular Medicine and Genetics (IMMAG) at the Medical College of Georgia/Augusta University, 2001-2004. (<http://gru.edu>).

**Responsibility and Duties:** Responsibilities included laboratory work, writing scientific articles, protocols, grant applications and participating in laboratory activities. Wrote the protocols for the HAC, CAURE, Institutional Biosafety Committees and for informed consent protocols. Assisted with seminars and teaching activities in both the clinical and the basic science areas. Other responsibilities included testing for the presence of dendritic cells in mice exposed to ultraviolet radiation (UV) radiation; in and melanoma as well as studies in sentinel lymph nodes from patients with skin melanoma. Performed flow cytometric analysis, immunohistochemistry and cell-cell co-localization in tissues. Designed experiments; performed immunohistopathology, cell cultures, and FACS analysis of immune and tumor cells. Other projects included testing for the presence of dendritic cells in mice exposed to ultraviolet radiation in patients with melanoma, and in sentinel lymph nodes from patients with melanoma.

**Consultant to the Biomedical and Clinical Pathology Laboratory.**

Hospital General de Medellín, Colombia, 2000-2001. ([www.hgm.gov.co](http://www.hgm.gov.co)).

**Responsibilities and duties:** Contributed to the improvement and implementation of a skin and autoimmunity detection program, ISO 9001/2000.

**Assistant Professor in the Department of Dermatology.**

University of Antioquia, Medellin, Colombia, 1998-2001. ([www.udea.edu.co](http://www.udea.edu.co)).

**Responsibilities and duties:** Duties included clinical, research and university-community-extension activities. Worked with the community, local, state and national governments to create a leading national program in autoimmune skin diseases. Training and mentorship of staff, medical and paramedical personnel and graduate and post-graduate students. Creation of a national protocol and databases for epidemiological, clinical and immunological studies. ([www.udea.edu.co](http://www.udea.edu.co)).

**Director of International Relations, School of Medicine,**

University of Antioquia, Medellin, Colombia, 1998-2001. ([www.udea.edu.co](http://www.udea.edu.co)).

**Responsibilities and duties:** Created the Branch of International Relations in the School of Medicine and trained different personnel to manage the program. Created a database of local, national, and international agreements between the School of Medicine and other international institutions including Harvard and Yale Universities in the USA. ([www.udea.edu.co](http://www.udea.edu.co).)

**Clinical and Surgical Dermatologist in private practice.**

Unisalud, Medellin, Colombia, 1992-2001.

**Responsibilities and duties:** Attention to patients with skin diseases and interaction with a diverse group in the cosmetology area including a psychologist, dentist, plastic surgeon, cosmetic and paramedical personnel.

**Air Patrol Physician and Dermatologist.**

Colombian Air Patrol, Antioquia, Colombia, 1992-2000. (<https://www.nodoka.co>).

**Responsibilities and duties:** Extensive work in clinical and microbiological infectious disease, mycology and epidemiology. This organization provides free medical and dermatological attention for people living in remote villages where no medical resources are available. Most of these villages are accessible only by small airplane.

**Interim Director for the Department of Dermatology.**

Universidad Pontificia Bolivariana, Medellín, Colombia, 1993-1994. ([www.upb.edu.co](http://www.upb.edu.co)).

**Responsibilities and duties:** Responsibilities included caring for patients with skin diseases and contributing to the creation of the residency in dermatology at the Pontifical Bolivarian University.

**Resident in Dermatology.**

Institute of Health Science (CES), Medellin, Colombia, 1989-1992.

(<http://www.ces.edu.co/index.php/clinicos-medicina/208-dermatologia>).

**Instructor and Clinical Researcher.**

Colombian Institute for Tropical Diseases. Medellin, Colombia, 1987-1989.

**Responsibilities and duties:** Biotechnology and Biological control areas. Helped in the field of tropical diseases and worked with native communities in remote villages to develop health programs where no medical resources are available, taking into account local values and beliefs. (<http://www.ces.edu.co/index.php/presentacion-icmt>).

**Instructor, Institute of Primary Immunodeficiencies.**

University of Antioquia, Medellin, Colombia, 1992-1995.

(<http://www.udea.edu.co/portal/page/portal/Programas/GruposInvestigacion/Grupos/Medicina/InmunodeficienciasPrimarias?>).

**General Surgeon and Physician.**

Obligatory Rural Year, Saint Javier Health Service Unit, Medellin, Colombia, 1986.

(<http://www.metrosalud.gov.co/inter/joomla/index.php/usuarios/mapa-de-sedes/80>).

### **Internship.**

General Hospital Luz A. Castro, Medellin, Colombia, 1987-1988.

(<http://www.hgm.gov.co/es/>)

### **Teaching Experience**

- Dermatology, pathology, allergy primary immunodeficiency's residents and medical students courses, rotations, tutoring, ground rounds, conferences, school of medicine at the University of Antioquia 2013-present.
- Medical brigades teaching Hospital Nuestra Señora del Carmen, El Bagre, Antioquia, Colombia, South America, to the doctors, nurses, dentist and students August 2012, January 2013.
- Immune and Cancer Dermatopathology Slide Teaching Conference, Department of Dermatology at the Medical College of Georgia's Medical Graduate School of Medicine, Biweekly, 2001-2004.
- Lectures, Cell Biology and Immunology Lecture Series, Medical College of Georgia's Medical School course, 42 students, summer 2002.
- Lectures, Immunology, Dermatopathology Lecture Series, Medical College of Georgia Medical, 14 students, 2002.
- Laboratory instructor, Biomedical and Biological Medical College of Georgia Medical School course, 27 students, Spring 2002.
- Laboratory instructor, General immunodermatology, Dermatology and Immunology combined Medical College of Georgia Medical School course, 23 students, Fall 2001.
- Immune cancer and Dermatopathology Slide Teaching Conference, Departments of Dermatology at the University of Antioquia and Pontifical Bolivarian University Graduate School of Medicine, Bi-weekly, Average 20 students per conference, 1998–2001.
- Didactic lectures in departmental Grand Rounds and Basic Science Conferences, two to three per year, University of Antioquia, 1998 – 2001.
- Directing departmental Grand Rounds and other conferences, University of Antioquia, 1998–2001, then at 2012-2014.
- Coauthored manuscripts and national presentations with the residents, University of Antioquia, 1998–2001.
- Immunopathology and immune response in cancer and inflammatory skin diseases sessions with the residents on pathology rotation, University of Antioquia, 1998–2001.
- Resident research elective - laboratory projects related to cancer, immunology and immunodermatology, University of Antioquia, 1998–2001.
- Monthly rotation on immunology, immunodermatology by dermatology residents, University of Antioquia, 1998–2001.
- Pathology resident elective (one month) in immunology, immunodermatology, University of Antioquia, 1998–2001.
- National and international resident elective in immunology, immunodermatology- one to three per year, University of Antioquia, 1998–2001.

- Weekly seminar on clinical dermatology – Kodachrome sessions and discussions. 1992–2001.
- Outpatient resident clinic staffing (one clinic weekly). 1992–2001.
- Private practice (2 clinics weekly) – two residents. 1992–2001.
- Inpatients and in-hospital consultations (twice a month) 1992–2001.
- Biology, Genetics, system engineer and Medical Student Teaching, 1992–2001.
- Sophomore Medical Student Pathology Course – four lectures and two lab sessions on skin pathology yearly, 1992–2001.
- Senior Medical Student Elective – two monthly lectures about Bullous Diseases and hypersensitivity reactions; plus clinical supervision, 1992–2001.
- Medical Student Research Elective – three students at the Institute of tropical medicine, at the University of Antioquia and at the CES and UPB Universities, 1992–2001.
- Lectures, Immune Mechanisms in Skin Disease, University of Antioquia Postgraduate course “Advances in Immunology,” 18 students, 1991.
- Lectures, Introduction to Immunology, University of Antioquia Biomedical Science School, 30 students, fall, 1990.

### **Featured antibody resource publications**

The Antibody Resource, Emma Russell-Bennett. E-mail:emma.russell-bennett@antibodyresource.com. Invitation to feature the following papers: 1) a 2011 paper in J Clin Immunol (doi: 10.1007/s10875-011-9574-) on our Human IgG antibodies webpage; 2) a 2010 paper in Journal of the American Academy of Dermatology (doi: 10.1016/j.jaad.2009.06.007) on our PBR3 antibodies webpage; 3) a 2009 paper in North American Journal of Medical Sciences/NAJMS (doi: 10.4297/najms.2009.4180) on our Human IgA antibodies webpage; 4) a 2010 paper in NAJMS (doi: 10.4297/najms.2010.2540) on our Human IgG antibodies webpage; 5) a 2009 paper in North American Journal of Medical Sciences (doi: 10.4297/najms.2009.4180 ) on our Human IgG antibodies webpage; 6) a 2013 paper in Our Dermatol Online on our the COX2 antibodies webpage; 7) a 2013 paper in Our Dermatol Online on our Fibrinogen alpha chain antibodies webpage, and 8) a 2013 paper in Our Dermatol Online on our Complement/C3 antibodies webpage. (<http://www.antibodyresource.com>, <http://www.facebook.com/Antibodyresource>, <http://twitter.com/absresourcepage>).

### **Speaker invitations (multiples in additions to these).**

- Invited speaker, Seventh European Dermatology Congress (Dermatology Congress 2016), June 13-15, 2016 at Alicante, Spain. “New Horizons in Dermatology”. (<http://dermatology.conferenceseries.com/europe/call-for-abstracts.php>).
- Invited speaker, International Conference on Dermatitis, Aug 01-03, 2016. New Orleans, USA. (<http://dermatitis.conferenceseries.com/call-for-abstracts.php>).

- Invited speaker, Eighth Clinical Dermatology Congress which is going to be held during August 25-27, 2016, at Sao Paulo, Brazil and is organized by OMICS International. This meeting will focus on “Evaluation of new ideas to Dermatology”.  
(<http://clinicaldermatology.conferenceseries.com/>).
- Invited speaker, Sixth World Gene Convention-2015, Qingdao, China; November 13-15, 2015. Invited chair/speaker in Track 1-6: Protein and Proteomics  
(<http://www.bitcongress.com/wgc2015/ScientificProgramme-1.asp>).
- Invited speaker, European Nursing Conference, July 27-29, 2015 at Valencia Conference Center, Valencia, Spain. [euronursing@omicsgroup.com](mailto:euronursing@omicsgroup.com).  
(<http://omicsonline.co/re?l=D0ltrxh3xl7cvpd6gl0>).
- Invited speaker, World Gene Convention-2015, Qingdao, China; November 13-15, 2015 in Track 3-2: Antibodies and Vaccines. E-mail:[teresa@gene-congress.com](mailto:teresa@gene-congress.com)  
(<http://www.bitcongress.com/wgc2015/default.asp>).
- Invited speaker, International Conference on Cytopathology, August 24-26, 2015 at Toronto, Canada. (<http://omicsonline.co/re?l=D0ltrxbqh17cvpd6gl0>).
- Invited speaker, Fifth World Congress of Molecular Medicine (MolMed-2015), November 13-15, 2015 in Qingdao, China. Presenting on Track 4-3: Biochips, Biosensors, Imaging, Nanobiotechnology and other Emerging Technologies. Pipeline 4: Emerging Technologies of Molecular Diagnostics. E-mail: [tina@MolMedcon.com](mailto:tina@MolMedcon.com).
- Invited speaker, Fourth International Conference on Biomedical Engineering and Biotechnology (ICBEB 2015) which will be held from August 18th to 20th, 2015, in Shanghai, China. E-mail:[icbeb@academicconf.com](mailto:icbeb@academicconf.com). (<http://www.icbeb.org>).
- Invited speaker, Annual Israeli Clinical Trials Congress 2015 and The Annual Congress for Quality and Regulation in Pharmaceuticals and Medical Equipment”. February 25, 2015, David Intercontinental hotel, Tel-Aviv, Israel. (<https://cdn-media.web-view.net/i/fdwft2pc2h/>).
- Invited speaker, Third World Congress of Molecular Medicine (MolMed-2013), November 13-16, 2013 in Haikou, China.
- Invited speaker, Third Annual World Congress of Immune Diseases and Therapy (WCIT-2013) on October 12-15, 2013 in Dalian, China.
- Invited Editor, Journal of Dermatology & Skin Biology, March 2015, ([www.ommegaonline.com](http://www.ommegaonline.com)).
- Invited speaker, Fourth International Conference on Clinical & Experimental Dermatology (Dermatology-2014), April 14-16, 2014, San Antonio Texas, USA.
- Invited speaker, “Third International Conference and Exhibition on Pathology” (Pathology-2014), April 14- 16, 2014. San Antonio, Texas, USA. OMICS Group.
- Invited speaker, Fourth International Conference on Vaccines & Vaccination, September 24-26, 2014 in Valencia, Spain OMICS Group Conferences, 5716 Corsa Ave., Suite 110, Westlake, Los Angeles, California 91362-7354, USA.
- Invited speaker, The International Neuroscience Conference, March 28-29, 2014 in Tokyo, Japan. (<http://www.worldlinkmed.com/conference/2014-Japan-INC/>).
- Invited speaker at the Third Biotechnology World Congress" (Third BWC) to be held in Dubai, United Arab Emirates, from February 10-12, 2014.

- Invited speaker, Fourth World Congress on Cell Science and Stem Cell Research, June 24-26, 2014 in Valencia, Spain. (<http://www.conferenceseries.net/cell-science-stem-cell-research-congress-2014/>). CellScience-2014 Clinical Conferences 5716 Corsa Ave, Suite 110, Westlake, Los Angeles, California, USA.
- Invited to participate in the Academic Dermatology Leadership Program (ADLP), by the American Academy of Dermatology (AAD) which is a year-long program available to early-career academic dermatologists who have expressed a strong commitment to the field and are recognized as emerging leaders in academic dermatology. The ADLP focuses on providing management and leadership training for the academic career path and includes the Leadership Forum, other on site leadership training sessions, and the opportunity to work with a mentor for the year. Invited by Isaac Neuhaus, MD, FAAD, Chair, Academic Dermatology Leadership Program, November 2012.
- Invited to be part of the Editorial Board in the Journal of Comparative Clinical Pathology Research. By the Editor in Chief, Dr. Behrad Eshratkhah, ([www.idlsr.com](http://www.idlsr.com)), November 2012.
- Invitation to host a session on “Research and Frontiers in Immunology” in October and December 2012. By Carina Paraiso, Journal Manager Science Park PSE-D, 1015 Lausanne, Switzerland, T +41(0)21 693 92 02, F +41(0)21 693 92 01. (<http://www.frontiersin.org/people/carinapara%C3%ADso/23535>).
- Invited to perform an expert review for the international Rheumatologists Study on Systemic Lupus Screening, Reference Number: 12117, Nov 27, 2012, Sponsor SmartAnalyst, (<http://www.smartanalyst.com/>). Located in New York, New Delhi, London, China, Russia, Brazil, Turkey, South Korea and Mexico.
- Invited speaker at the “FIFTH INTERNATIONAL CONFERENCE ON DRUG DISCOVERY AND THERAPY”, February 18<sup>th</sup>– 21<sup>st</sup>, 2013 (Dubai, UAE) with Dr. Ferid Murad, Nobel Laureate. The 5<sup>th</sup> ICDDT will highlight cutting-edge advances in all major disciplines of Drug Discovery and Drug Therapy. (<http://dubaiconf01.com/icddt>).
- Invited speaker at the “Third International Conference on Clinical and Experimental Ophthalmology” (Ophthalmology-2013) on April 15-17, 2013. Held at Hilton Chicago/Northbrook, USA. Hosted by OMICS Group Conferences. Ophthalmology -2013 is a specially designed cluster conference. The main theme of the conference is “Intolerable Disparity in Vision and Novel Therapies” (<http://www.omicsgroup.com/conferences/ophthalmology-2013>).
- Invited speaker at the "Innovative Strategies for the Development of Immune Response Conference" which covers a wide range of critically important sessions. Immunology-2012, Chicago-North Shore, USA. (<http://www.omicsonline.org/immunology2012>).
- Invited speaker at the “INSTRUMENTATIONS & BIOTECHNOLOGIES CONFERENCE”, Nov 12 - 14, 2012, Shanghai, China, Shanghai Everbright International Hotel. (<http://biotech-instrument.org>).
- Invited speaker at the “Latest trends and challenges in Biowaivers and Biosimilars Conference”. The main theme of the conference is "A Synergistic Approach towards Biowaivers & Biosimilars". Biosimilars-2012, September 10-12, 2012 at San Antonio Texas, USA.

- Invited speaker at the BIT Life Sciences 10<sup>th</sup> Anniversary “Congress of International Drug Discovery Science & Technology (IDDST)” with the theme “Celebrations of Drug Innovators and Discoverers in Our Decade.” November 8-11, 2012, Nanjing, China. Invited to present the work present recent work on Diagnosis and treatment of cutaneous paraneoplastic disorders at session 1-17: Dermatology and Drug Discovery.
- Invited speaker at the “Clinical and Cellular Immunology Conference” (Immunology - 2012) on October 22-24, 2012. This conference was held at Chicago, Illinois, USA and hosted by OMICS Group Conferences.
- Invited advisor for feasibility study on atopic dermatitis on a Phase II atopic dermatitis trial in early fall 2012. Life Science Services - Clinical Research, SGS North America Inc. ([www.sgs.com/cro](http://www.sgs.com/cro)).
- Invited speaker for the “International Conference and Exhibition on Rheumatology & Therapeutics” August 14-15, 2012 Hilton Chicago/Northbrook, USA. Theme: New Insights & Therapeutic approaches in the field of Rheumatology.  
(<http://www.omicsonline.org/rheumatology2012>).
- Invited for participation in the selection of patients for the clinical trial a physical urticaria study from the Department of Health and Human Services at the NIH, NIAID 2012, Dr. Hirsh Komarov MD, Laboratory of Allergy and Infectious Diseases.
- Invited speaker for the "Second World Congress on Vaccines and Vaccination" (Vaccines-2012), during 20-22 August 2012 at Northbrook, Illinois, USA. The main theme of Vaccines-2012 was "Prospects and Development of Prophylactic & Therapeutic Vaccines". Vaccines-2012. Hosted by OMICS.  
(<http://www.omicsonline.org/vaccines2012/callforabstracts.php>).
- Invited speaker for the " International Summit on GMP & GCP: USA, Europe, Japan, Asia Pacific" (GMP & GCP-2012), December 3-5, 2012. This conference was held in Philadelphia, Pennsylvania, USA and hosted by OMICS Group Conferences. The theme was basic research innovations in the field of Pharmaceuticals; regulatory aspects.  
(<http://omicsonline.org/gmp-gcp2012/cfa.php>).
- Invited speaker to the “International Conference on Hair Transplantation & Trichology” (Trichology-2012), November 26-28, 2012. San Antonio, Texas, USA, hosted by OMICS Group Conferences. OMICS Group. (<http://omicsonline.org/trichology2012>).
- Invited speaker at the “Second International Conference on Clinical & Experimental Dermatology” (Dermatology-2012), March 5-7, 2012 Omaha, Nebraska, USA. The main theme of Dermatology-2012 was "Diagnosis and Management of Skin Disorders".  
(<http://omicsonline.org/dermatology2012>).
- Invited speaker at the “China Hangzhou International Medical Imaging Forum” from April 13th-15th, 2012 in Hangzhou, Zhejiang Province, China. To present recent work on antibodies to pilosebaceous units along their neurovascular supply routes in a new variant of endemic pemphigus foliaceus in Colombia, South America. Invited by the Chinese Medical Association. ([http://biomedpharm.ca/Hangzhou\\_Imaging\\_Forum\\_2012.pdf](http://biomedpharm.ca/Hangzhou_Imaging_Forum_2012.pdf)).
- Invited author to "Rheumatology" for a special issue titled: Biologics, Immunology & Treatment of Rheumatic Disorders, edited by Dr. Chikao Morimoto, Professor, at the University of Tokyo, Japan. OMICS Publishing Group. Jan 2012. (<http://www.omicsonline.org>)

- Invited speaker at the “International Meeting: Day-hospital, Day-surgery and Home Healthcare” at Ravello-Amalfi, Italy. President of EPS Global Medical Development Inc. con December 15-17, 2011. ([http://www.epsglobal.ca/ravello\\_preliminar.pdf](http://www.epsglobal.ca/ravello_preliminar.pdf)).
- Invited speaker at the “Fourth Annual World Congress of Vaccines”, Beijing, China. March 26-28, 2012. (<http://www.bitlifesciences.com/wcv2012>.)
- Invited speaker at the “Third Annual World Congress of Virus Infection” (WCVI-2012) Guangzhou, China. Time: July 30-August 1, 2012. (<http://www.bitlifesciences.com/wcv2012>).
- Invited speaker at the “Montreal International Gene Conference,” November 3-4, 2011 in Montreal, Quebec, Canada. EPS Global Medical development Inc. Invited by Professor Massaro, the Editor-in-Chief of the journal Cell Biochemistry and Biophysics. ([www.epswordlink.com](http://www.epswordlink.com)).
- Invited speaker at the “EPS Xinjiang International Forum on Clinical Medicine Development”, held from August 25-29, 2011, which included: Urumqi Clinical Medicine Symposium 2011 (August 25-26, 2011 in Urumqi, Xinjiang, China) and Kashi Clinical Medicine Workshop 2011, August 27-29 in Kashi, Xinjiang, China.
- Invited speaker at the “Biomarkers BIT's Second Annual Congress”. Theme: Making Direct Bioanalysis Nimble, November 14-16, 2011. Beijing International Convention Center, Beijing, China. (<http://bitlifesciences.com/wcb2011>).
- Invited speaker to the “Pharma-2011 International Conference & Exhibition on Pharmaceutical Regulatory Affairs”, 6-7 September 2011. Venue: Baltimore, Maryland, USA, Website: (<http://omicsonline.org/pharma2011>). Operated by Editors of: Journal of Bioequivalence & Bioavailability and Journal of Bioanalysis & Biomedicine.
- Sacoor Medical Group invitation to be a research expert consultant, joining National and International experts involved with the treatment of Iron Deficiency Anemia; following the rules of the ESOMAR International code of practice, the British Healthcare Business Intelligence Association guidelines and CASRO (Council of American Survey Research Organization) guidelines. Registered with the Government Office of the Information Commissioner in the UK. West Byfleet, Surrey, UK, March 2011.
- Invited speaker at the “EPS Montreal International Conference on Emergency Medicine” in Montreal, Canada from June 1<sup>st</sup> to 2<sup>nd</sup>, 2011.
- Invited reviewer, International Research Journal of Microbiology. ([www.internationalresearchjournals.org/IRJM](http://www.internationalresearchjournals.org/IRJM). march2011).
- Invitation to become a member of the World Journal of Dermatology Editorial Board. Chaoyang District, Beijing 100025, China. April 2011. Lian-Sheng Ma, President and Editor-in-Chief, World Series Journals. (<http://www.wjgnet.com/2218-6190/index>).
- Invited speaker to the BIT's Fourth Annual Congress and Exposition of Molecular Diagnostics (CEMD). Theme: Overcoming Misinterpretation of Symptoms. Beijing, China. September 22-24, 2011. Web: (<http://www.bitlifesciences.com/cemd2011>).
- Invitation to advise the Organizing Committee, “International Conference and Exhibition on Clinical Research in Dermatology, Ophthalmology and Cardiology”, 4-6 July 2011 San Francisco, California, USA. (<http://www.dermpedia.org/event/international-conference-on-clinical-research-dermatology-ophthalmology-and-cardiology-2011>).
- Invited editor for the book, “Skin biopsies” by a leading Open Access publisher of scientific books and journals in STM fields, 2011, 34 chapters. ([www.intechweb.org](http://www.intechweb.org)).

- Invited speaker to the “Third International Conference on Drug Discovery and Therapy” (Third ICDDT, 2011) Dubai, United Arab Emirates, February 7-10, 2011, with Dr. Ferid Murad, Nobel Laureate, Conference President. ([www.icddt.com/french](http://www.icddt.com/french)).
- Invited speaker to the “International Medical Partners (EPS) Global First International Energy Source Forum”, in Kunming, Yunnan, China, November 20 -21, 2010 with Yao Lu, MD, PhD, as Executive Chair.
- Invited speaker, “International Congress and Expo of Molecular Diagnostics BIT’s Tetra-Congress of MolMed-Biomarkers, and the First World Congress on Biomarkers”, in Shanghai, China. Shanghai Everbright Convention Center, November 10-12, 2010 to deliver an oral presentation at Track B4-13: CE, 2D-GE/PAGE, SAGE and Mass Spectrometry. ([www.bitlifesciences.com/mdpm2010/](http://www.bitlifesciences.com/mdpm2010/)).
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**Journal editorial staff invitations, and/or to submit articles for journals, monographs and books (among multiple ones)**

- Invitation to be Journal Editor for the Journal of Procedural Dermatology, 2015 invited byPiscoMed Publishing Pte Ltd, an independent, international publisher of medical research located in Singapore. Website: ([www.PiscoMed.com](http://www.PiscoMed.com)).
- Wikipedia contributor in 2015.
- Invitation to submit articles to the special issue "T Lymphocyte Plasticity in Autoimmunity and Cancer," which will be published in the Immunology subject area of BioMed Research International (formerly titled Journal of Biomedicine and Biotechnology) in August 2015. (<http://www.hindawi.com/journals/bmri/si/418656/cfp/>).
- Invitation to submit articles to the journal International Journal of Pathology and Clinical Research, February 15, 2015. [editorialassociate.pathology@clinmedlib.org](mailto:editorialassociate.pathology@clinmedlib.org). ([http://clinmedlibrary.com/submit\\_manuscript.php](http://clinmedlibrary.com/submit_manuscript.php)).
- Invitation to submit articles and be editor and reviewer of the Donnish Journals, February 2015, E-mail: [contact@donnishjournals.org](mailto:contact@donnishjournals.org). ([www.donnishjournals.org/authors-guide.php](http://www.donnishjournals.org/authors-guide.php)).
- Invitation to submit articles to the journal Jacobs Journal of Addiction and Therapy, February 2015. E-mail: [addictionandtherapy@jacobspublishers.net](mailto:addictionandtherapy@jacobspublishers.net). (<http://www.jacobspublishers.com/index.php/author-guidelines-in-foremostlinks>).
- Invitation to submit articles to the journal Autoimmune Diseases and Therapeutic Approaches: Open Access (ADTAOA). March 2015. E-mail: [editor.adtaoa@aperito.org](mailto:editor.adtaoa@aperito.org). ([http://aperito.org/journal/upload\\_manuscript](http://aperito.org/journal/upload_manuscript)).
- Invitation to submit articles to the journal Enliven: Pharmacovigilance and Drug Safety is an open access peer reviewed international journal. It publishes articles in all the emerging developments and research in the fields of journal. E-mail: [Jan2015.pharmacovigilance-drugsafety@enlivenarchive.com](mailto:Jan2015.pharmacovigilance-drugsafety@enlivenarchive.com). (<http://enlivenarchive.org/forauthors-pharmacovigilance-drug-safety.php>).
- Invitation to submit articles to the Platinum Global Journal of Medicine & Medical Sciences (PGJMMS), January 2015.

Emails: [pgjmms@platinumglobaljournals.org](mailto:pgjmms@platinumglobaljournals.org), [pgjmms@pgjournals.org](mailto:pgjmms@pgjournals.org).

(<http://www.platinumglobaljournals.org/pgjmms/index.php>).

- Invitation to submit articles to the journal The Advances in Bioscience and Biotechnology (ABB, ISSN Online: 2156-8502), a peer-reviewed open-access journal, is seeking papers for the upcoming special issue on "DNA Damage and Repair", Toll-like Receptor, Membrane Proteins, Post Translational Modifications January and February 2015.
- Invitation to submit articles to the Journal of Dermatology and Clinical Research. Email: [dermatology@jscimedcentral.com](mailto:dermatology@jscimedcentral.com) . February 2015. (<http://www.jscimedcentral.com/Dermatology>).
- Invitation to submit articles to the journal "Enliven: Clinical Dermatology", 2015 E-mail: [dermatology@enlivenarchive.com](mailto:dermatology@enlivenarchive.com), (<http://enlivenarchive.org/clinical-dermatology.php>).
- Invitation to submit articles to the International Journal of Clinical Dermatology & Research (IJCDR), E-mail: [editor.ijcdr@scidoc.org](mailto:editor.ijcdr@scidoc.org). (<http://www.scidoc.org/IJCDR.php>).
- Invitation to submit articles to the journal Rheumatology: Current Research for issue entitled Systemic Lupus Erythematosus on February 16, 2015. E-mail: [editor.rcr@omicsonline.org](mailto:editor.rcr@omicsonline.org), E-mail: [abb@scirp.org](mailto:abb@scirp.org). (<http://www.editorialmanager.com/medicalsciences>).
- Invitation to submit articles to the Merit Research Journal of Medicine and Medical Sciences (MRJMMS). This is a multidisciplinary peer-reviewed journal (<http://www.meritresearchjournals.org/mms/index.htm>.ISSN: 2354-323X).
- Invitation to submit articles to The Journal of Medical and Biological Science Research (JMBSR). This is an international peer-reviewed open access journal dedicated to publish high quality research articles in the field of medicine and biological sciences. ([http://pearlresearchjournals.org/auth\\_instr.html](http://pearlresearchjournals.org/auth_instr.html)jmbsr.pearlresjourn@gmail.com).
- Invitation to submit articles to Immunome Research, (IMR) 2015. E-mail: [editor.imr@omicsonline.org](mailto:editor.imr@omicsonline.org). (<http://omicsonline.com/open-access/immunome-research.php>).
- Invitation to submit articles to the Journal of Educational Research and Studies (JERS) (ISSN 2329-3039) on 2015. E-mail: [jers@peakjournals.org](mailto:jers@peakjournals.org). ([www.peakjournals.org](http://www.peakjournals.org)).
- Invitation to submit articles to the Journal of Management, Social Science and Humanities (JMSSH). [jmssh.pearlresjourn@gmail.com](mailto:jmssh.pearlresjourn@gmail.com), ([www.pearlresearchjournals.org](http://www.pearlresearchjournals.org)).
- Invitation to submit articles to the Research Journal of Agricultural and Environmental Management, (RJAEM- ISSN: 2315-8719). E-mail: [submit.rjaem@apexjournal.org](mailto:submit.rjaem@apexjournal.org). (<http://www.apexjournal.org>).
- Invited to contribute to Monographs in Edited Collections on Skin Disorders in Oct 2012.
- Nova Science Publishers, Inc., 400 Oser Ave, Suite 1600, Hauppauge, New York 11788-3619 USA, Phone 631-231-7269 Fax 631-231-8175. Web Site: (<http://www.novapublishers.com>).

**Mentor to students in immunology, dermatology, medicine, biology, genetics and systems engineering**

Some of Dr. Abreu Velez's previous students and/or fellows:

- 2012-2014 interns, pathology, dermatology, immunology and allergies and rheumatologist residents University of Antioquia, Medellin Colombia South America.
- Martha Lucía Marín, Bióloga, DDS, DMD, MDS, University of Antioquia Medellin, Colombia.
- María Mercedes Yepes, Medical student, University of Antioquia, Medellin, Colombia
- Edinson Villa, Medical student, University of Antioquia Medellin, Colombia.
- Alex Pabón, Medical student, University of Antioquia Medellin, Colombia.
- Juan Esteban Arroyave Sierra, Medical student, University of Antioquia, Medellin, Colombia.
- Natalia Rivera, Biology and Genetics student, University of Antioquia, Medellin, Colombia.
- Cristina Avila, Biology student, University of Antioquia, Medellin, Colombia.
- Jaime Segovia, Biology student, University of Antioquia, Medellin, Colombia.
- Juan Camilo Robledo, Systems Engineering student, Colombian Polytechnic Institute, Medellin, Colombia.
- Juan Camilo Cadavid, Systems Engineering student, Colombian Polytechnic Institute, Medellin, Colombia.
- Carlos David Posada, Systems Engineering student, Colombian Polytechnic Institute, Medellin, Colombia.
- Wilmar García, Systems Engineering student, University of Antioquia, Medellin, Colombia.
- Joshua Lane, MD, Resident in Dermatology, MCG, Augusta, GA, USA.
- Bryan Shapiro, PhD student, MCG, Augusta, GA, USA.
- David Hardy, MD/PhD student, MCG, Augusta, GA, USA.
- Sanders Callaway, MD, Resident in Dermatology, Augusta, GA.
- Juliana Calle, MD, Dermatologist, General Hospital, Medellin, Colombia.
- Jorge Enrique Velasquez-Velez, MD, Cardiologist, Medellin, Colombia.
- Alejandra Jimenez-Echavarria, MD, PECET, University of Antioquia Medellin, Colombia.
- Daniel Alberto-Vasquez-Hincapie, MD, PECET, University of Antioquia, Medellin, Colombia.
- Yulieth Alexandra Upegui, MSc, PECET, University of Antioquia, Medellin, Colombia.
- Natalia Mesa-Herrera, Genetist, PhD University of Antioquia, Medellin, Colombia.
- Eduardo Upegui, Ed.S, LPC, University of Antioquia, Medellin, Colombia.
- Carlos Andres Valencia-Yepes, University of Antioquia, Medellin, Colombia.

## **Memberships in professional societies, advocacy, and committee involvement**

- Member Atlanta Association for dermatology and Surgical Society, Atlanta, GA, 2016 (<http://www.atlantaderm.org/>).
- Member, Society for Investigative Dermatology. 2005-Present. (<http://www.sidnet.org>).
- Member, American Academy of Dermatology, International Fellow and Affiliate member. 2004-Present. (<https://www.aad.org>).
- Member International Society of Dermatology. 2008-Present. ([www.intsocderm.org](http://www.intsocderm.org)).
- The American Autoimmune Related Diseases Association. (<http://www.aarda.org>).
- Member – International Society of Dermatology. ([www.intsocderm.org](http://www.intsocderm.org)).
- International Pemphigus & Pemphigoid Foundation. (<http://www.pemphigus.org>).
- Committee Member – University of Antioquia International Relations School of Medicine, 1990, 2001. (<http://www.udea.edu.co/portal/page/portal/portal/a.InformacionInstitucional/h.UnidadesAdministrativas/O.direccionRelacionesInternacionales>).
- University Senate Executive Committee Member – Executive Senator for the School of Medicine at the Medical College of Georgia, 2002–2004. (<http://gru.edu/universitysenate/senate>).

## **Honors and Awards**

- Dr. Abreu-Velez earned First Prize Winner for discovering a new endemic disease (Pemphigus Abreu-Manu), as published by the IV Colombian-Venezuelan Dermatological Societies; First Prize Winner for the best clinical-epidemiological work, presented at the XV Bolivarian Congress of Dermatology; Editorial Board and Reviewer, International Journal of Dermatology; Editorial Board and Reviewer, North American Journal of Medical Sciences; Editorial Board and Reviewer, Journal of Clinical Immunology and Immunopathology; and Editorial Board and Reviewer, Our Dermatology Online.
- The Leading Physicians and Dermatologist of the world 2015. Selected by The International Association of Dermatologist. (<http://iaderm.com>). The IAD HIGHLIGHTS AND PROFILES THE WORLD'S TOP DERMATOLOGISTS.
- Advisor in Orphan diseases for the Higher Technology Institute of the Minister of Health in Colombia South America, June 2014. (<http://www.iets.org.co>).
- Invited editor for the journal “Global Dermatology” (GOD) is a recently launched Dermatology Journal under supervision of Prof. Torello Lotti as founder editor-in-chief. April 2015. (<http://www.oatext.com/Global-Dermatology-GOD.php>).
- International Society of Dermatology, XI International Congress of Dermatology. New Delhi, India December 4-7, 2013. My student was a recipient of XI International Society of Dermatology Global Education Award. “One third of patients with a new variant of endemic pemphigus foliaceus in Colombia demonstrate renal autoreactivity. Abreu-Velez AM, Yi Hong, Calle J, Arias LF, Velásquez JE, Howard MS”.

- Faculty of 1000 (F1000) honorary award for the publication: Cardiac autoantibodies from patients affected by a new variant of endemic pemphigus foliaceus in Colombia, South America. (J Clin Immunol 2011 Dec). This places our publication at the top 2% of published articles in biology and medicine. Evaluated by Cassian Sitaru, (<http://f1000.com/13476970>).
- Journal of Cutaneous Pathology (JCP) Continual Medical Education (CME) Exam; AMA PRA Category 1 Credit™. July 2010.
- Senator at Large, Faculty Senate Executive Committee, School of Medicine, Medical College of Georgia. 2003-2004.
- Advisor, The International Pemphigus Society, 2003-2008.
- President, International Club, 2003. Medical College of Georgia.
- Contributor, The American Society for Dermatopathology Reference Library. Aimed at discovering a new variant of endemic pemphigus foliaceus, Dec 2003.
- Authorship and creator, from the Minister of Health: a Treatment Manual for Patients Affected with Autoimmune Skin Diseases, for national, state and local levels. 1999-2000.
- First Prize Winner for the best skin biology research presented at the XXIII National Columbian Dermatological, XV Bolivarian Congress of Dermatology. 1999.
- First Prize Winner for discovering a new endemic disease, as published by the IV Colombian-Venezuelan Dermatological Societies. Research focused on the discovery of a new autoimmune skin disease that is endemic to a region of Colombia and is named Pemphigus Abreu-Manu. Pereira, Colombia, 13/08/2000.
- Leadership of the Best Program Example of regionalization, reported for the University of Antioquia, 1998-2000.
- First Prize Winner for the best clinical-epidemiological work presented at the XV Bolivarian Congress of Dermatology (Peru, Ecuador, Colombia, Panama, and Venezuela). 1999.
- Research award granted to foreign physicians by the VIII International Congress of Dermatology in Cairo, Egypt. April 16-21, 1999.
- International fellowship award for best Latina American students administered by LASPAU (affiliated with Harvard University) that designs, develops, and implements academic and professional exchange programs on behalf of individuals and institutions in the United States, Canada, Latin America, and the Caribbean, 1995-1997.
- Overseas Travel Award granted by European Society for Dermatological Research, (ESDR), Japanese Society for Investigative Dermatology (JSID) and The Society for Investigative Dermatology (SID), for Poster in the Third Joint Meeting of the European Society for Dermatology. Cologne, Germany, July 5, 1998.
- The Experimental Biology 1998 Joint Annual Meeting International Poster award. San Francisco, California, USA, April 19, 1998.
- The Medical College of Wisconsin Graduate Student's Award, given by the Fifty-eighth Congress of the Society of Investigative Dermatology, Washington, DC. April, 1997.
- Winner of a scholarship given by the Colombian Institute for Development of Science and Technology "Francisco Jose de Caldas", Colciencias for the best students, V Convocation. 1995, Columbian Government for Ph.D. studies, 1995-1997.

- Academic and Professional Programs for the Americas Scholar. (LASPAU) is a nonprofit organization affiliated with Harvard University and governed by an independent board of trustees. - LASPAU Scholarsip winner. (<http://www.laspau.harvard.edu/>).
- Winner of the award for Best International Dermatology Resident Case-Report, 18TH World Congress of Dermatology. New York, New York, USA, May 1992. Grant award from Jansen Pharmaceutical. New York, NY 1992.
- Martial Arts Karate-Do, Black Belt. Consecutive Colombian National Championships Kata modality, 1977-1982.

### **Dermatopathology Proficiency Testing**

Yearly participation in the American Society for Dermatopathology (ASDP) annual proficiency testing. These enable laboratories to check on the inter-laboratory reproducibility of their tests for H&E dermatopathology, and immunodermatology. The goal of these tests is to maintain high standards on tests for autoimmune bullous diseases-nationwide, 2007-2016.

(<http://www.beutnerlabs.com/testing/immunofluorescence.php>).

### **Clinical trial and human subject protection experience**

Dr. Abreu-Velez has worked in universities and the federal government in clinical trial compliance, auditing, and adherence to the principles of good clinical practices (GCPs), including adequate human subject protection (HSP). These procedures are recognized as critical requirements in the conduct of research involving human subjects. Numerous countries have adopted GCP principles as laws and/or regulations. The Food and Drug Administration's (FDA's), regulations for the conduct of clinical trials, which have been in effect since the 1970s, address both GCP and HSP by nationally as well as internationally entities.

### **Bioresearch Monitoring**

FDA's bioresearch monitoring (BIMO) program conducts on-site inspections of both clinical and nonclinical studies performed to support research and marketing applications/submissions to the agency.

**Study name:** A safety and feasibility study of the Therasight® braquiotherapy system for treatment of pigmented lesions.

**Sponsor Institution:** Theragenic Corporation Inc. Administrative Institution: 5203 Bristol Industrial Way, Buford, Georgia 30518.

**Study name:** A Randomized Trial Comparing Triamcinolone Acetonide and Laser Photocoagulation in patients with Diabetic plaques. (DRCR-II).

**Sponsor Institution:** National Institutes of Health.

Administrative Institution: Jaeb Center for Health Research. Coordinating Center 15310 Amberly Drive, Suite 350 Tampa, FL, 33647.

**Study name:** A phase III multicenter, randomized, double masked, sham injection-controlled study of the efficacy and safety of rhuFab V2 in patients with neovascularization for diabetes (Marina).

**Sponsor Institution:** Genentech Inc. DNA Way, So. San Francisco, CA 94080-9618.

Administrative Institution: CSMG Clinical Studies Management Group. 1015 Falcon View Cove, Grayson, GA 30017.

**Study name:** The Standard Care vs. Corticosteroid for Retinal Vein Occlusion (SCORE. Two Randomized Trials to Compare the Efficacy and Safety of Intravitreal Injection(s) of Triamcinolone Acetonide with Standard Care to Treat Macular Edema. (SCORE). Sponsor

**Sponsor Institution:** National Institutes of Health.

**Study name:** (Anti-VEGF Antibody for the Treatment of Predominantly Classic Choroidal Neovascularization in AMD). This is a randomized, multi-center, double-masked, active treatment controlled study. (ANCHOR).

**Sponsor Institution:** Genentech Inc. DNA Way, So. San Francisco, CA 94080-9618.

Administrative Institution: CSMG Clinical Studies Management Group. 1015 Falcon View Cove Grayson, GA 30017.

**Study name:** LY333531 Protocol B7A-MC-MBCM “Protein kinase C $\beta$  inhibitor diabetes (PKC-DRS2) — a phase III clinical trial” (“study”).

**Sponsor Institution:** Eli Lilly and Company Faris 1 Bldg 450 S Madison Ave DC 6026, IN 46225.

Administrative Institution: Parexel International, 195 West street Waltham, Massachusetts 02451-1163. [www.parexel.com](http://www.parexel.com).

**Study name:** Correlation between epidemiological, clinical and microbiological findings in prostitutes monitored by a Prophylactic Center in Medellin, 1991-1993.

**Sponsor:** World Health Organization, Latin America. Metro Health –STS-92. The major goals of this project were to determine the severity of epidemiological, microbiological, and viral infections in sexual workers. Our targets included all sexually transmitted diseases (STD); we sought to make preventative care available to those seeking medical attention. 1991-1992.

**Study name:** Nutritional Recovery Program for patients affected by endemic pemphigus in El-Bagre Municipality.

**Sponsors:** The Secretary of State Agriculture and the Governor’s Wife’s Office, Antioquia State, 1999.

**Study name:** Isolation of fungi in Turkish baths, gyms, recreation centers, and hotels.

**Sponsor institution:** Janssen Pharmaceutical. The goal of this study was to determine the presence of fungi in Turkish baths and to evaluate the resistance to antifungal medicines, including Sporanox® and Itraconazole®. 1997 –1999.

**Study name:** Education in psycho-prophylactic and humanized attention for families and pregnant women exposed to violence in inner cities.

**Sponsor institution:** Metrohealth Institute, Saint Javier Medical Unit. 1989-1990.

**Study name:** Use of alternative medicine for children affected by “bidorro” in Indian Communities. **Sponsors:** National Indian Organization and National Institute of Tropical Diseases. 1992-1994.

### **OTHER TRAINING AND SKILLS**

- Confocal Microscopy – Winship Cancer Institute workshop, Emory University, Atlanta, GA. May 2010.
- Immune electron microscopy stains and silver enhancement workshop – Aurion and Electron Microscopy Science – University of Florida at Gainesville, FL. 2010.
- Confocal Microscopy course – University of North Carolina, NC. 2008.
- Confocal Microscopy in cancer and in autoimmune disease – Winship Cancer Institute, Emory University, Atlanta, GA. 2005 – 2006.
- Investigator Trained Program – Pfizer pharmaceuticals (ADR, AE, CFR, CIOMS): All aspects of clinical trials, Atlanta, GA. 2006.
- Experimental lab regulation in animal research – Emory University, Atlanta, GA. 2006.
- Concepts in Clinical Research, Behavioral Research, Biomedical Research, Human Subjects Protection and Drug Regulation Development – Medical College of Georgia, Augusta, GA. Fall 2001 and Fall 2003.
- Annual Safety Refresher Seminar – Medical College of Georgia, Augusta, GA. 2002, 2003 and 2004.
- Transgenic Mouse Development – Medical College of Georgia, Institute of Molecular Medicine and Genetics, Augusta, GA. January 2004.
- Right-To-Know Chemical Specific Training Program. ([www.usg.edu/rtk/training/rt](http://www.usg.edu/rtk/training/rt)). 2002, 2003 and 2004.
- Right-To-Know Basic Awareness Online Training Program. ([www.usg.edu/rtk/training/chemical](http://www.usg.edu/rtk/training/chemical)) 2002, 2003 and 2004. Laboratory Safety Course – Code 17 (Safety Public Division), Medical College of Georgia, Augusta, GA.
- Occupational Health Training for Personnel Working with Laboratory Animals – Medical College of Georgia, Augusta, GA. 2002, 2003 and 2004.
- EHOS annual refresher courses – Medical College of Georgia, Augusta, GA. 2002– 2004.

- Chemical and Biological Safety, Radiation Safety, Fire Safety and Environmental Safety, brief overview of USA Patriot Act and the US Public Health Preparedness and Bioterrorism Prevention Act Medical College of Georgia, Augusta, GA. 2003 –2004.
- Course training in Transportation of Dangerous Goods – Trained as per 49 CFR 172.00/ International Air Transport Association (IATA) 1.5, part 6, 1 of ICAO Technical Instructions TDGR 9.2. Training material used Saf-T-Pak’s “The 2002, 2003, 2004 comprehensive guide to shipping infectious substances.” Medical College of Georgia, Augusta, GA. 2002 –2004.
- Training in “The Health Insurance Portability and Accountability Act” HIPPA – Medical College of Georgia, Augusta, GA. 2003 -2004.
- Biostatistics, Computer Science and Epidemiology Courses – in France and in Colombia.
- Electron Microscopy – under the guidance of Dr. Ken Hashimoto, Wayne State University, Detroit, MI. 1998.

### **Journal editorial boards, book editing and journal reviewer**

- Reviewer Australasian Journal of Dermatology (2016). (<https://mc.manuscriptcentral.com/ajd>).
- Reviewer Immunological Investigations 2015. ([www.tandfonline.com/loi/iimm20](http://www.tandfonline.com/loi/iimm20)).
- Editorial Board CES Medicina 2015-present. (<http://revistas.ces.edu.co/index.php/medicina>).
- Reviewer American Journal of Tropical Medicine & Hygiene. ([www.ajtmh.org](http://www.ajtmh.org) 2015).
- Reviewer for JAMA Dermatology (<http://www.sciencepublishinggroup.com/info/joinus.aspx> ), 2012-present.
- Editorial Board, and Reviewer International Journal of Dermatology, 2008–present. ([www.wiley.com/bw/journal.asp?ref=0011-9059](http://www.wiley.com/bw/journal.asp?ref=0011-9059)).
- Editorial Board and reviewer of the North American Journal of Medical Science, 2009–present. ([www.NorthAmJMedSci.org](http://www.NorthAmJMedSci.org)).
- Editorial Board and Reviewer of the Journal of Clinical Immunology and Immunopathology Research. 2009–present. (<http://academicjournals.org/JCIIR>).
- Editorial Board and Reviewer of the Dermatol Online. ([www.odermatol.com](http://www.odermatol.com) .2010-present.)
- Reviewer, New England Journal of Medicine. 2009–present. (<http://content.nejm.org>)
- Reviewer, Proceedings of the National Academy of Science. 2011-present. ([www.pnascentral.org](http://www.pnascentral.org)).
- Reviewer, Journal Cutaneous Pathology. ([www.wiley.com/bw/journal.asp](http://www.wiley.com/bw/journal.asp) 2010 – present).
- Reviewer, Journal of Clinical Immunology. ([www.springer.com/biomed/immunology/journal/10875](http://www.springer.com/biomed/immunology/journal/10875). 2011-present).
- Reviewer, LUPUS Journal. (<http://lup.sagepub.com> 2009-present).
- Reviewer, Journal of the American Academy of Dermatology. ([www.eblue.org](http://www.eblue.org) 2008-present).
- Reviewer, International Journal of Dermatology. ([www.wiley.com/bw/journal.asp](http://www.wiley.com/bw/journal.asp) 2007-present).
- Reviewer, British Journal of Dermatology. ([www3.interscience.wiley.com/journal/117](http://www3.interscience.wiley.com/journal/117) 1998–present).

- Reviewer, Clinical and Experimental Dermatology. 2003-present. ([www.wiley.com/bw/journal.asp?ref=0307-6938](http://www.wiley.com/bw/journal.asp?ref=0307-6938)).
- Reviewer, European Journal of Dermatology. 2006-present. ([www.john-libbey-eurotext.fr/en/revues/medecine/ejd/sommaire.md](http://www.john-libbey-eurotext.fr/en/revues/medecine/ejd/sommaire.md)).
- Reviewer, Dermatologic Therapy. 2008–present. ([www.wiley.com/bw/journal](http://www.wiley.com/bw/journal)).
- Reviewer, International Journal of Medicine. 2010–present. ([www.academicjournals.org/IJMMS](http://www.academicjournals.org/IJMMS)).
- Reviewer, Medical Practice and Reviews. ([www.academicjournals.org/MPR](http://www.academicjournals.org/MPR). 2007-present).
- Reviewer, International Journal for Biotechnology and Molecular Biology Research. 2007-present. ([www.academicjournals.org/IJBMBR](http://www.academicjournals.org/IJBMBR)).
- Reviewer, Archives Dermatological Research. 2003-present. ([www.springerlink.com/openurl.asp](http://www.springerlink.com/openurl.asp)).
- Reviewer, Journal of Histotechnology for The National Society for Histotechnology. 2010-present. ([www.nsh.org](http://www.nsh.org)).
- Reviewer, Journal of Clinical Medicine and Research. 2010-present. ([www.academicjournals.org/JCMR](http://www.academicjournals.org/JCMR)).
- Reviewer, OMICS Publishing Group-Clinical. (<http://omicsonline.org/clinical.php>)
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### **Abstracts**

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### **Books and book chapter contributions**

Abreu-Velez AM, Howard MS. A new variant of endemic pemphigus foliaceus in El Bagre and surrounding areas of Colombia, South America. In: the world atlas of dermatology. Editors Smoller BS and Nooshin Bagherani. In press.

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Abreu-Velez AM, Lockhart L & Howard MS. Chapter 12. Aggressive nodular basal cell carcinoma with expression of proliferating cell nuclear antigen and B-cell lymphoma 2 gene. In: *Inflammatory markers, oncogenes, tumor suppressor's cell cycle regulators in skin growths, pre-skin and skin tumors*. S.I., New York: Nova Science. ISBN: 978-1-63484-304-1. First Quarter, 2016. Pgs.151-158.

Abreu-Velez AM, Villdibill HD, & Howard MS. Chapter 13 .Octamer transcription factor-2 (OCT-2) and CD25 expression in a recurrent cutaneous melanoma. In: *Inflammatory markers, oncogenes, tumor suppressor's cell cycle regulators in skin growths, pre-skin and skin tumors*. S.I., New York: Nova Science. ISBN: 978-1-63484-304-1. First Quarter, 2016. Pgs.159-168.

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Abreu-Velez, AM, Velazques-Velez, J., & Howard, M. Chapter 2. Bullous Pemphigoid: Broader Concepts. In *Advances in Dermatology Research*. S.I., James P Vega, editor. New York: Nova Science. ISBN: 978-1-63484-304-1. 2015-2nd Quarter. First Quarter, 2016. Pgs. 9-32.

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Abreu-Velez AM., Jackson BL, Howard MS. Chapter 4. Expression of Immunologic markers varies between intact blister and traumatized blister areas in a patient with bullous pemphigoid. In: *Advances in Dermatology Research*. S.I., James P Vega, editor. New York: Nova Science. ISBN: 978-1-63484-304-1. 2015-2nd Quarter. First Quarter, 2016. Pgs. 45-56.

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Abreu-Velez AM. Howard MS. Chapter 1. Lupus: a comprehensive review. In: Lupus: symptoms, treatment and potential complications. In: *Immunology and Immune System Disorders*. S.I., Thiago Devesa Marquez and Davi Urgeiro Neto, editors. New York: Nova Science. ISBN: 978-1-63484-304-1. 2012 3rd Quarter. Pgs 13-54.

Abreu-Velez AM. Leishmaniosis in: *Fundamentals of Pediatric, Infectious and Respiratory Diseases*. Chapter 76. Tomo II. , chapter 76.(Correa JA *et. al*. Edits. Corporación para Investigaciones Biológicas (CIB), Medellín, Colombia. 2003.

**Programs created and funded**

**Project:** Project for preparation for the delivery in inner cities. Special Program. Research Committee.

**Date:** 1989.

**PI:** Abreu Velez AM

**Funded by:** Metrosalud. (Metrohealth). ([www.metrosalud.gov.co](http://www.metrosalud.gov.co)).

**The major goals of this project were:** Give training for the delivery in inner cities and low income communities that are essential component of health programs that incorporate promotoras de salud (the Spanish term for community health workers) in the delivery.

**Project Number:** IMMNODEMATOLOGY UNIT

**Dates:** 1999-2001.

**PI:** Abréu Vélez AM.

**Grant Number:** E00320.

**Funded by:** State Tax Exemption Program of Antioquia (completed). Antioquia Government. ([antioquia.gov.co/antioquia](http://antioquia.gov.co/antioquia)).

**Title of Project:** Creation of an immunodermatology, and oral pathology and keratinocyte units at the School of Medicine, University of Antioquia (U de A).

**The major goals of this project were:** 1). To establish a tissue bank including blood and other tissues. 2). To develop a clinical research unit to study different skin and oral mucosa immunological-related diseases and create a research unit for academic, clinical, and private diagnostic services and research.

**Amount funded:** 35,000,000 pesos.

**Project Number:** AJC-EPF.

**Dates:** 1999-2001.

**PI:** Abréu Vélez AM.

**Funded by:** The Embassy of Japan in Colombia. ([www.colombia.emb-japan.go.jp/ESP/index.htm](http://www.colombia.emb-japan.go.jp/ESP/index.htm)).

**Title of Project:** Complex segregation analysis and immunological features in individuals affected by endemic pemphigus foliaceus (EPF) in El-Bagre.

**The major goals of this project were:** To attempt to identify the possible role of major genes, multifactorial inheritance and cohort effects in the susceptibility to EPF. Complex segregation analysis (CSA) in people affected by EPF.

**Amount funded:** 58,000,000 pesos.

**Program-Project:** Creation of a special internship in the Schools of Medicine, bacteriology, dentistry, clinical laboratory and pathology. U de A, Medellin, Colombia, SA.

**Dates:** 1998-2000.

**PI:** Abréu Vélez AM.

**Funded by:** Ministers of Education and Health of Colombia and the University of Antioquia.

**The major goal of this project was:** To prepare biomedical students for careers in science. Other objectives included teaching them to cooperate with students in other fields.

**Program-Project:** Application for creating a Dermatology-residence Program in the Schools of Medicine, Pontifical Bolivarian University, Medellin, Colombia, SA. ([www.upb.edu.co](http://www.upb.edu.co)).

**Dates:** 1993-1994.

**Co-PI:** Abréu Vélez AM, Pi, Dr. Luz Marina Zuluga, chief dermatology UPB.

**Funded by:** Ministers of Education and Health of Colombia and the School of Medicine Pontifical University.

**The major goal of this project was:** To lead the best medical students to become dermatologists-scientists.

**Project Number:** CIM-EPF-1.

**Dates.** 1997-1998.

**PI:** Abréu Vélez AM.

**Funded:** Office of the VP of Research of the U de A.

**Title of Project:** Clinical-epidemiological characterization of EPF disease in El-Bagre, Colombia.

**The major goal of this project was:** To identify and characterize the endemic nature of a new variant of El-Bagre-EPF.

**Amount funded:** 5,000,000 pesos.

**Project Number:** CIM-EPF-2.

**Dates:** 1996-1998.

**PI:** Abréu Vélez AM.

**Funded by:** Center for Biomedical Research School of Medicine (CIM) of the University of Antioquia, Medellin, Colombia, SA and CODI U de A.

(<http://mokana.udea.edu.co/portal/page/portal/portal3/F.Investigacion/F.CODI>).

**Title of Project:** Pilot immunological characterization of a focus of EPF in the rural area of El-Bagre.

**Dates:** 1991-1992.

**PI:** Abreu Velez AM.

**Funded by:** The Antioquia Health Division (<https://www.dssa.gov.co/>), and the University of Antioquia (<https://www.udea.edu.co/>).

**The major goal of this project was:** To identify major autoantigens in people with a new variant of EPF in El-Bagre and to compare the autoantigens with those described for other types of pemphigus.

**Amount funded:** 9,000,000 pesos.

**Project Number:** Metrohealth –STDS-92.

**Dates:** 1991-1992.

**PI:** Abréu Vélez AM.

**Funded by:** Metrosalud, Medellin. ([www.metrosalud.gov.co](http://www.metrosalud.gov.co)).

**Title of research project:** Correlation between epidemiological, clinical and microbiological findings in prostitutes monitored by a prophylactic center in Medellin, 1991-1992.

**The major goal of this project was:** To determine epidemiological characteristics; to evaluate the habits related to sexually transmitted disease; to determine the prevalence of sexually transmitted disease (STD); to prevent disease in a group of people who sought medical attention.

**Amount funded:** 5,000,000 pesos.

**Program-project:** Comparison of U de A medical students who participated in international exchange programs, in order to assess the effects of this experience in furthering their professional performance.

**Dates:** 1999-2001.

**Co-PI:** Abréu Vélez AM. **Pi:** Medical students school of medicine U de A.

**Funded by:** State Stamp Program and by the School of Medicine U de A. (<http://.medicina.udea.edu.co/>).

**Institutions:** U de A (Medellin, Colombia, SA), Harvard University, Boston, Massachusetts USA and Yale University, Connecticut USA.

**The major goal of this project was:** To use a “Dopa Matrix” in evaluating learning skills, using different educational models.

**Program-project:** Establishment of a National Colombian Program for the Ministry of Health, in order to prioritize pemphigus in the POS and in the National Basic Plan of Attention, in order to formulate the local, state and national regulations for this program.

**PI:** Abreu Velez AM.

**Dates** 1996-2000.

**Institutions:** U de A, Medellin, Colombia (SA) and institutions regulated by the Minister of Health, Colombia. (<https://www.minsalud.gov.co/Paginas/default.aspx>).

**Program-project:** (completed). Establishment of a nutritional recovery program and self-sufficiency program for the partitions affected by an endemic pemphigus foliaceus in El Bagre and surround areas.

**Funded by:** Secretary of Agriculture of the State of Antioquia, in order to address issues confronted by patients affected by El-Bagre-EPF.

**Dates:** 1999.

**PI:** Abreu Velez AM.

**Institutions:** U de A, Medellin, Colombia (SA), and Office of the First Lady of the State of Antioquia.

**Funded by:** Secretary of Agriculture of Antioquia State, Colombia. (<http://antioquia.gov.co>).

**Amount funded:** 5,000,000 pesos.

### **Grants in Preparation**

R01 in preparation, 2016

Entity: NIH.

Type: Abreu Velez AM, MD, PhD.

Title: Identification of autoantibodies in the cardiovascular and conductive system of the heart, and their role in patients affected by a new variant of endemic pemphigus foliaceus.

R01 in preparation, 2016

Entity: NIH.

Type: Abreu-Velez AM, MD, PhD.

Title: Detection of autoantibodies and immune response in patients affected by a new variant of endemic pemphigus foliaceus.

### **Research Projects**

**Dates:** 2007 –2015.

**Project:** Further characterization of a new variant of endemic pemphigus foliaceus in El-Bagre including heart and eyes.

**Institutions:** Georgia Dermatopathology Associates, Emory University and University of Chicago Dermatology, Cardiology and Ophthalmology.

**Research Group:** Georgia Dermatopathology Associates, Emory Ophthalmology, cardiology, electron microscopy and University of Chicago sections of Cardiology, Dermatology, Proteomics and bioinformatics.

**City:** Atlanta, GA and Chicago, IL, USA.

**Keywords:** Mechanoreceptors, nerves, hearts, cells junctions, axons autoreactivity.

**Dates:** August 2005-January 2007.

**Project:** Cancer immune response, oncogenes, and cell cycle checkpoints.

**Institution:** Emory University, Winship Cancer Institute.

**Research Group:** Radiation oncology.

**City:** Atlanta, GA, USA.

**Keywords:** Oncogenes, centrosome amplification, breast cancer.

**Dates:** July 2004 - January 2005.

**Project:** Multiple clinical trials and clinical trials coordinator.

**Institution:** Medical College of Georgia, Department of Ophthalmology.

**Research Group:** Ophthalmology.

**City:** Augusta, GA, USA.

**Keywords:** Retina, randomized trials, phototherapy, rhuFab V2, diabetic retinopathy.

July 2002- July 2004.

**Project:** Clinical immunological and genetical features of a new variant of endemic pemphigus foliaceus in El-Bagre-Colombia, South America.

**Institution:** Medical College of Georgia, Institute of Molecular Medicine and Genetics.

**Research Group:** Cell signaling.

**City:** Augusta, GA, USA.

**Keywords:** Endemic pemphigus foliaceus, skin autoimmunity, desmosomes, cell junctions.

**Dates:** October 2001- June 2002.

**Project:** Detection of IDO in melanoma sentinel lymph nodes.

**Institution:** Medical College of Georgia, Institute of Molecular Medicine and Genetics.

**Research Group:** Immunology.

**City:** Augusta, GA, USA.

**Keywords:** Melanoma, sentinel lymph node, Indolamine 2,3-dioxygenase (IDO).

**Dates:** August 1999 - September 2000.

**Project:** Establish a nutritional recovery program and self-sufficiency program for the Secretary of Agriculture, in order to address issues confronted by patients affected by El-Bagre-EPF.

**Institution:** Secretary of Agriculture of Antioquia State and University of Antioquia.

**Research Group:** Autoimmune and Bullous Skin Diseases.

**City:** El-Bagre, Antioquia and Medellin, Colombia, S.A.

**Keywords:** Nutrition, endemic pemphigus foliaceus, poultry.

**Dates:** January 1999-Aug 2001.

**Project:** Comparison of University de Antioquia medical students who participated in international exchange programs, in order to assess the effects of this experience in furthering their professional performance.

**Institution:** University of Antioquia, Department of Dermatology.

**Research Group:** Center for Biomedical Corporation of the School of Medicine (CIM).

**City:** Medellin, Colombia, SA.

**Keywords:** Dopa Matrix.

**Date:** May 1998 – May 1999.

**Project:** Pilot immunological characterization of a focus of EPF in the rural area of El-Bagre.

**Institution:** University of Antioquia, Department of Dermatology.

**Research Group:** Center for Biomedical Research School of Medicine (CIM).

**City:** Medellin, Colombia, S.A.

**Keywords:** Endemic pemphigus foliaceus, immunoblotting, immunoprecipitation, ELISA, Direct, immunofluorescence, indirect immunofluorescence.

**Project:** Complex segregation analysis and immunological features in individuals affected by endemic pemphigus foliaceus (EPF) in El-Bagre.

**Institution:** The Embassy of Japan in Colombia and University of Antioquia, and department of Dermatology, University of Antioquia.

**Research Group:** Autoimmune Bullous Diseases.

**City:** Medellin and Bogota, Colombia, S.A.

**Keywords:** Genetics, autoimmunity, pemphigus.

**Dates:** June 1997 – June 1998.

**Project:** Creation of a special Internship in the Schools of Medicine, Bacteriology, Dentistry, Clinical Laboratory and Pathology.

**Institution:** University of Antioquia, Department of Dermatology.

**Research Group:** Center for Biomedical Research School of Medicine (CIM).

**City:** Medellin, Colombia, SA.

**Keywords:** Internship, research.

**Dates:** April 1996 – July 2000.

**Project:** Clinical-epidemiological characterization of EPF disease in El-Bagre, Colombia.

**Institution:** University of Antioquia, Department of Dermatology

**Research Group:** Immunodermatology and Bullous Diseases. Center for Biomedical Research School of Medicine (CIM).

**City:** Medellin, Colombia, S.A.

**Keywords:** Epidemiology and clinical features of a new variant of endemic pemphigus foliaceus.

**Dates:** January 1991 – December 1992.

**Project:** Correlation between epidemiological, clinical and microbiological findings in prostitutes monitored by a prophylactic Center in Medellin, 1991-1992. Metrohealth –STDS-922.

**Institution:** Metrosalud, Medicine.

**Research Group:** Sexual transmitted diseases, MetroSalud.

**City:** Medellin, Colombia, S.A.

**Keywords:** Sexually transmitted diseases.

### **Website work citations**

- “Rare Disease Endemic in South America is Model for Studying Autoimmunity” By Toni Baker, Medical, College of Georgia. January 2004. Doctor Honor” by Tom Corwin. ([www.mcg.edu/news/2004NewsRel/AbreuVelez.html](http://www.mcg.edu/news/2004NewsRel/AbreuVelez.html)). “MCG’s Global reach” by a staff writer, The Augusta Chronicle, February 7, 2004 Isolated Disease Wins The Augusta Chronicle, February 16, 200. ([https://augustachronicle.com/stories/021804/edi\\_089-6947.shtml](https://augustachronicle.com/stories/021804/edi_089-6947.shtml)). “
- “Rare disease endemic in South America is model for Studying Autoimmunity.” By Science Daily ([www.sciencedaily.com](http://www.sciencedaily.com).) ScienceDaily is one of the Internet's leading online

magazines and Web portals devoted to science, technology, and medicine in the world.

- Centre National de la Recherche Scientifique, France (National Center for Scientific Research, France). This is a government-funded research organization, under the administrative authority of France's Ministry of Research.
- “Pemphigus Foliaceus” by Robert A. Schwartz MD Med. May 2008. (<http://www.emedicine.com/derm/topic318.htm>).
- “Dr. Abreu Velez finds new variant of PF in Colombia” by The Pemphigus & Pemphigoid Society. They have since merged with the International Pemphigus Foundation to form the International Pemphigus & Pemphigoid Foundation. May 2004.
- “The tragedy to die for an unknown cause” or in Spanish, “La tragedia de morir sin saber de que” by Marleny Velez Castano, Newspaper El Colombiano. El Colombiano is the most prestigious newspaper in Colombia. (<http://www.elcolombiano.com>). May, 25, 1994.
- “The Mark of Pemphigus” or in Spanish “Marcados con la Huella del Pemfigo” by Nestor Alonso Lopez, Special Report for El tiempo Newspaper, Medellin, Colombia, S.A. (<http://www.eltiempo.com/>). August 12, 2001.
- Dr. Ana Maria Abreu-Velez. Issue – Copernicus, ([journals.indexcopernicus.com/issue.php?id=14&id\\_issue=869711](http://journals.indexcopernicus.com/issue.php?id=14&id_issue=869711)).
- Publications Authored by Dr. Ana Maria Abreu-Velez - logo ([www.pubfacts.com/author/Ana+Maria+Abreu-Velez](http://www.pubfacts.com/author/Ana+Maria+Abreu-Velez)).
- Dr. Ana Maria Abreu-Velez, MD – Atlanta, GA | Dermatology. ([www.doximity.com](http://www.doximity.com) › States, Georgia › Atlanta).
- Dr. Ana Maria Abreu-Velez | Our Dermatology Online journal. ([www.odermatol.com/editorial-board/ana-maria-abreu-velez/](http://www.odermatol.com/editorial-board/ana-maria-abreu-velez/)).
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- Ana Maria Abreu-Velez - Microsoft Academic Search. 65.54.113.26 › Authors.
- Dr. Ana Maria Abreu-Velez MD, PhD, Immunologist in Atlanta, GA, USA. ([www.healthcare.com](http://www.healthcare.com)).
- Ana Maria Abreu-Velez - Director of Research, Georgia. ([www.mendeley.com/profiles/ana-maria-abreu-velez/](http://www.mendeley.com/profiles/ana-maria-abreu-velez/)).
- Trichilemmal cyst - Wikipedia, the free encyclopedia, Ana Maria Abreu-Velez. ([en.wikipedia.org/wiki/Trichilemmal\\_cyst](http://en.wikipedia.org/wiki/Trichilemmal_cyst)).
- WikiGenes – Ana Maria Abreu-Velez. Scientific Director and professor dermatology U de A. Georgia Dermatopathology Associates. ([www.wikigenes.org/e/author/e/18239.html](http://www.wikigenes.org/e/author/e/18239.html)).
- Ana Maria Abreu-Velez MD, PhD. Treatment For Eczema Or Psoriasis Eczema In Toddlers. (<http://psoriasismed.cnconfucius.asia/health/16083-treatment-for-eczema-or-psoriasis-eczema-in-toddlers-home-remedies/>).
- Redalyc. Enfermedades ampollas autoinmunes del grupo Ana Maria Abreu-Velez MD, Ph. ([www.redalyc.org/pdf/1805/180531324007](http://www.redalyc.org/pdf/1805/180531324007)).
- Iatreia - Autoimmune blistering diseases of the pemphigus. Ana Maria Abreu-Velez MD, Ph. D. ([www.scielo.org.co/scielo.php?pid=S0121.sci](http://www.scielo.org.co/scielo.php?pid=S0121.sci)).
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## **Networks**

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- [www.researchgate.net](http://www.researchgate.net)
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- <https://www.researcherid.com/OrcidBioExchange.actio>
- <http://www.autoimmunity-network.com/profile/AnaMariaAbreu>

### **Participation in continuing medical education**

Six (6) AMA PRA awarded by the Southern Alliance For physicians Specialties, continuing medical education (SAPS CME) For participation in the Atlanta Association for dermatology and Dermatologic Surgery Winter Tri-Annual meeting. January 23, 2016, Atlanta, GA.

Three (3) "AMA PRA Category 1 Credits™" Credits for review perform for the JAMA. American Medical Association (AMA) Division of Continuing Physician Professional Development. September 2015.

Three (3) "AMA PRA Category 1 Credits™" Credits for review perform for the JAMA. American Medical Association (AMA) Division of Continuing Physician Professional Development. September 2015.

Three (3) "AMA PRA Category 1 Credits™" Credits for review perform for the JAMA. American Medical Association (AMA) Division of Continuing Physician Professional Development. July 2015.

Alabama Society of Dermatology Meeting, Destin, Florida. June, 2015. Awarded 16.0 AMA PRA (American Medical Association) Category 1 credits.

Three (3) "AMA PRA Category 1 Credits for review perform for the JAMA. American Medical Association (AMA) Division of Continuing Physician Professional Development. December 2014.

Three (3) "AMA PRA Category 1 Credits for review perform for the JAMA. American Medical Association (AMA) Division of Continuing Physician Professional Development. December 2014.

Atlanta Association for Dermatology and Dermatologic surgery, tri- annual meeting, Sept 20, 2014, Piedmont hospital Atlanta GA, 2014. Awarded 5.25 AMA PRA (American Medical Association) Category 1 credits.

Atlanta Association for Dermatology and Dermatologic surgery, bi-monthly dinner and business meeting and, Oct 14, 2014, Vino Venue, Dunwoody, GA, Atlanta GA, 2014. Awarded 1 AMA PRA (American Medical Association) Category 1 credits.

The Massachusetts Medical Society, publisher of the New England Journal of Medicine an educational activity as part of the NEJM Manuscript Review CME Program between July 1, 2011 and December 31, 2011 and is awarded 1 AMA PRA Category 1 Credit.™

Alabama Society of Dermatology Meeting, Destin, Florida, June, 2011. Awarded 16.0 AMA PRA Category 1 credits.

The Massachusetts Medical Society, publisher of the New England Journal of Medicine an educational activity as part of the NEJM Manuscript Review CME Program between July 1, 2010 and December 30, 2010; awarded 1 AMA PRA Category 1 Credit.™

American Society of Dermatopathology (ASDP) Annual Meeting, October, 2010, Atlanta, Georgia, Awarded 34 AMA PRA Category 1 credits.

Society for Investigative Dermatology (SID) Annual Meeting, May, 2010, Atlanta, Georgia, Awarded 37.75 AMA PRA Category 1 credits.

Alabama Society of Dermatology Meeting, June, 2010, Destin, Florida Awarded 16.0 AMA PRA Category 1 credits.

The Massachusetts Medical Society, publisher of the New England Journal of Medicine an educational activity as part of the NEJM Manuscript Review CME Program between July 1, 2009 and December 31, 2009; awarded 2 AMA PRA Category 1 Credit(s).™

Alabama Society of Dermatology Meeting, June, 2009, Destin, Florida. Awarded 16.0 AMA PRA Category 1 credits.

Georgia Society of Dermatologists, Fifty-fourth Annual Meeting, Ponte Vedra Beach, Florida, June, 2009. Awarded 10.5 AMA PRA Category 1 credits.

Piedmont Dermatology Society of South Carolina. Thirtieth Annual Congress, Grove Park Inn, Asheville, North Carolina, October, 2008.

University of Texas Southwestern Medical Center. Participation in the educational activity entitled: The prevention and management of infections in patients receiving TNF inhibitors. Savannah, Georgia, June, 2008. Awarded 2.0 AMA PRA, Category 1 credits.

Georgia Society of Rheumatology Meeting. Continuing Medical Education (CME) programs. Savannah, Georgia, June, 2008. Awarded 8.0 AMA Category 1 credits.

Dermatology Foundation, Amelia Island, Florida, April, 2008 Clinical Symposia, Advances in Dermatology. Awarded 16.0 AMA PRA Category 1 credits.

Pfizer Investigator Training Program Workshop Certificate of Completion, Atlanta, Georgia, Nov 2006.

Alabama Society of Dermatology Meeting, June, 2008, Destin, Florida. Awarded 16.0 AMA PRA Category 1 credits.

Fifty-sixth Annual Montagna Symposium on the Biology of the Skin. Oregon Health & Science University, School of Medicine, Division of Continuing Medical Education (CME), Gleneden Beach, Oregon, October, 2007. Awarded 11.5 AMA PRA Category 1 credits.

### **Meeting attendance**

- Over 200 meetings attended, including regional, national, and international.

### **Volunteer experience**

- Multiple, available upon request.

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