

CURRICULUM VITAE

NAME: Michael Scott Howard, M.D.

MEDICAL LICENSURE: Unrestricted Georgia License, Number 49034
Unrestricted Tennessee License, Number 25830

BOARD CERTIFICATIONS: American Boards of Dermatology and Pathology
Certification in Anatomic and Clinical Pathology,
November 1997
Special Certification in Dermatopathology,
November 2000

BUSINESS ADDRESS: Georgia Dermatopathology Associates
1610 Lavista Road, NE; Suite 4
Atlanta, Georgia 30329
Telephone: (404) 371-0077
Fax: (404) 636-5445
Cellular 24/7: (404) 431-9249
Email: mhoward@gadermpath.com
.
<https://orcid.org/0000-0003-0430-6093>

EDUCATION:

Postgraduate

July 2022–January 2023

Program for Leadership Development, Harvard Business School, Cambridge, Massachusetts

July 1999 – June 2000

Fellow in Dermatopathology

Departments of Dermatology and Pathology
University of Arkansas Medical Center
Little Rock, Arkansas

July 1997 – June 1999

Fellow in Hematopathology
Department of Pathology
University of Texas Southwestern Medical Center
Parkland Memorial Hospital,
Dallas, Texas

July 1993 – June 1997

Resident, Department of Pathology
University of Tennessee Medical
Center, Knoxville, Tennessee

July 1992 – December 1992

Resident, Department of Anesthesiology,
Duke University Medical Center,
Durham, North Carolina

July 1991 – June 1992

Intern, Department of Surgery, Baptist
Medical
Centers, Birmingham, Alabama

Medical Studies

August 1987 – May 1991

Emory University School of Medicine,
Atlanta,
Georgia
▪ Doctor of Medicine
▪ Irene K. Woodruff Medical Scholarship

Graduate Studies

August 1984 – August 1986

Yale University, New Haven, Connecticut

- Master of Science
- Major: Molecular Biology
- NIH Predoctoral Fellowship
- Yale University Fellowship
- American Mensa Predoctoral Scholarship

Undergraduate Studies

September 1978 – June 1983

University of Georgia, Athens, Georgia

- Bachelor of Science
- Major: Biology
- Phi Beta Kappa
- Phi Kappa Phi
- *summa cum laude* Graduate
- University Honors Program Graduate
- Research Graduate with Highest Honors
- Alpha Epsilon Delta

EMPLOYMENT:

February 2002 – present

Founding Partner and Laboratory Director,
Georgia Dermatopathology Associates,
Atlanta, Georgia

February 2001 – February 2002

Staff Dermatopathologist,
Quest Diagnostics Clinical Laboratories,
Atlanta, Georgia

August 2000 – December 2000

Staff Dermatopathologist,
Atlanta Dermatopathology and Pathology
Associates, Atlanta, Georgia

January 1993 – June 1993

Pathology Associate,

Georgia Tissue Bank/Cryolife, Inc., Atlanta,
Georgia

November 1986 – August 1987

Unit Secretary, Emergency Department,
DeKalb

Medical Center, Decatur, Georgia

October 1983 – August 1984

Research Technician, Dept. of Anatomy
and Cell Biology, Emory University
Medical Center, Atlanta, Georgia

GEORGIA DERMATOPATHOLOGY ASSOCIATES LABORATORY TRACK RECORD:

- Dr. Howard is one of the only about 25 double fellowship trained pathologists in the United States in both Dermatopathology and Hematopathology.
- Maintained a perfect record with continuous annual Laboratory Proficiency Testing by the American Society of Dermatopathology since 2003.
- Maintained a perfect record with continuous annual certification under the Clinical Laboratory Improvement Act (CLIA), regulated by the U.S Department of Health and Human Services since 2002.
- **HONORS:** New complex cell junctions in and around the intervertebral discs discovered using autoantibodies from patients affected by endemic pemphigus foliaceus in El Bagre, Colombia, South America. - Physician's Weekly (<https://www.physiciansweekly.com/new-complex-cell-junctions-in-and-around-the-intervertebral-discs-discovered-using-autoantibodies-from-patients-affected-by-endemic-pemphigus-foliaceus-in-el-bagre-colombia-south-america/>) Sept 6, 2024.

PROFESSIONAL ORGANIZATIONS:

- Fellow, American Society of Dermatopathology
- American Academy of Dermatology
- Annenberg Circle, Dermatology Foundation;
Georgia DF Vice Chair 2007; 2008
- Fellow, College of American Pathologists
- United States and Canadian Academy of

Pathology/International Academy of Pathology

- Society for Investigative Dermatology
- American Medical Association
- Medical Association of Georgia
- Georgia Society of Dermatology and Dermatologic Surgery
- Georgia Association of Pathologists
- Atlanta Association of Dermatology and Dermatologic Surgery
- DeKalb County Medical Society

EARLY PROFESSIONAL ACTIVITIES:

- National Meeting, American Academy of Dermatology, New Orleans, Louisiana, February 2002
- National Meetings, American Society of Dermatopathology, Fall 1999, 2005
- Chicago Compass Dermatology Review Educational Course, Chicago, Illinois, September 2000
- University of Pennsylvania Medical Center Educational Course, “Dermatopathology Self Assessment and Board Review,” Philadelphia, Pennsylvania, August 2000
- National Meetings, United States and Canadian Academy of Pathology, Spring 1999, 2001 and 2006
- Junior Member, College of American Pathologists SNOMED Editorial Board, Chicago, Illinois, June 1994 to June 1997
- Laboratory Inspector, College of American Pathologists, Chicago, Illinois, February 1994 to June 1997

PUBLICATIONS:

IN PRESS

Abreu Velez AM, Upegui-Zapata YA, Olarte Aponte AM, Vélez Arango JM, Upegui-Quiceño E, Hashimoto T, Howard MS, Vega JA Autoantibodies against components of sensory nerve formations in the intervertebral disks and adjacent structures are antigens recognized by the sera from patients affected by a new variant endemic pemphigus in El Bagre, Colombia, South America. *Dermatol Pract Concept*.

JOURNALS

Abréu-Vélez AM, Ramos W, *Howard MS*. Is Tunisian Endemic Pemphigus Foliaceus A Real Entity, Or Should These Cases Be Reclassified With Other Autoimmune Blistering Disease? *Dermatol Pract Concept*. 2025;15(2):5008. DOI: <https://doi.org/10.5826/dpc.1502a5008>.

Abreu Velez, AM, Hashimoto T, Upegui YA, Vélez Arango JM, Olarte Aponte AM, Vega JA, Howard MS. The Pericardium Cell Junctions Area Target for Autoantibodies of Patients Affected by a Variant of Endemic Pemphigus Foliaceus in El Bagre and Surrounding Municipalities in Colombia, South America. *Diagnostics* 2025, 15, 964. <https://doi.org/10.3390/diagnostics15080964>.

Abreu Velez AM, Hashimoto T, Arango JMV, Upegui-Zapata YA, Upegui-Quiceño E, Aponte AM, *Howard MS*. New complex cell junctions in and around the intervertebral discs discovered using autoantibodies from patients affected by endemic pemphigus foliaceus in El Bagre, Colombia, South America. *Int J Dermatol*. 2025 Mar; 64(3):552-562. doi: 10.1111/ijd.17471. PMID: 39279034. <https://pubmed.ncbi.nlm.nih.gov/39279034/>

Abreu Velez AM, Ramírez-Posada M, *Howard MS*. Immunofluorescence findings in a reactivating lichenoid photoallergic chronic dermatitis (actinic reticuloid). *Photodermatol Photoimmunol Photomed*. 2024 Sep;40(5):e12995. doi: 10.1111/phpp.12995.PMID:39145412. (<https://pubmed.ncbi.nlm.nih.gov/39145412/>)

Abreu Velez AM, Smoller BR, *Howard MS*. Drug reaction, cyclooxygenase 2, and alteration on lymphatics. *Our Derm Online*. 2024; 2024;15(3):268-271. http://www.odermatol.com/issue-in-html/2024-3-11-cyclooxygenase_2/.

Abreu Velez AM, Smoller BR, *Howard MS*. A peculiar in situ case of cutaneous leukocytoclastic vasculitis induced by urinary infection. *Our Dermatol Online*. 2024;15(2):146-149. http://www.odermatol.com/issue-in-html/2024-2-9-leukocyto_vasculitis/ DOI: 10.7241/ourd.20242.9

Abreu Velez AM, Smoller BR, *Howard MS*. Leukocytoclastic vasculitis induced by medications displaying colocalizing lesional deposits for CD15, myeloperoxidase and HLA-DPDQDR: A Yin and Yang? *Our Dermatol Online*. 2022;13(4):426-429. http://www.odermatol.com/issue-in-html/2022-4-16-leukocytocla_vasculitis/. DOI:10.7241/ourd.20224.16

Abreu Velez AM, Upegui-Zapata YA, Valencia-Yepes CA, Upegui-Quiceño E, *Howard MS*. Patterns of antinuclear antibodies in a new variant of endemic pemphigus in El Bagre, Colombia, colocalizing with antigens against MIZAP, ARVCF, p0071, and desmoplakins I and II. *J Appl Lab Med*. J Appl Lab Med.2022 Jul 28, 1-13; jfac050.2022, PMID:35899599. DOI:10.1093/jalm/jfac050. <https://pubmed.ncbi.nlm.nih.gov/35899599>.

Abreu Velez AM, Upegui-Zapata YA, Valencia-Yepes CA, Upegui-Quiceño E, *Howard MS*. Extrusion of pilosebaceous units into blisters of patients affected by a new variant of endemic pemphigus in El Bagre, Colombia, South America. *J Cutan Pathol*.2022 Mar 17. DOI: 10.1111/cup.14225. Online ahead of print. PMID:35298031. <https://pubmed.ncbi.nlm.nih.gov/35298031/>

Abreu-Velez AM, Smoller BR, *Howard MS*. Bullous lupus erythematosus with basement membrane deposits of IgD. *Our Dermatol Online*. 2022;13(2):161-164.

Abreu-Velez AM, Bortle Thomason A. Jackson BL, *Howard MS*. Recurrent herpes zoster with IgD deposits, multinucleated keratinocytes, and overexpression of galectin and glypican 3 in a patient with SARS-COVID-19 infection. *Our Dermatol Online*. 2022;13(1):41-44. http://www.odermatol.com/issue-in-html/2022-1-8-zoster_sars-covid-19/.

Abreu-Velez AM, Upegui-Zapata YA, *Howard MS*. Mucous membrane pemphigoid (cicatricial pemphigoid) with autoreactivity to salivary gland neurovascular bundles. *Our Dermatol Online*. 2021, 12(3):288-290. http://www.odermatol.com/issue-in-html/2021-3-13-cicatricial_pemphigoid/.

Abreu-Velez AM, Smoller BR, *Howard MS*. An extraordinary case of oral leukocytoclastic vasculitis demonstrating IgD deposition around dermal vessels and within mucosal keratinocytes. *Our Dermatol Online*. 2021;12(1):50-53. <http://www.odermatol.com/odermatology/20211/13.extraordinary-Abreu-VelezAM.pdf>.

Abreu Velez AM, Jackson BL, *Howard MS*. Lichen planus pemphigoids': Lesional immunopathologic features. *Our Dermatol Online*. 2020;11(4):367-370. <http://www.odermatol.com/odermatology/20204/8.Lichen-AbreuVelezAM.pdf>

Abreu Velez AM, Jackson BL, *Howard MS*. Lichen simplex chronicus positive for c5b-9/MAC, IgD and C3c as a result of recurrent bacterial hair follicular unit infection. *Our Dermatol Online*. 2020;11(4):385-388. http://www.odermatol.com/issue-in-html/2020-4-14-lichen_simplex/

Abreu Velez AM, Upegui-Zapata YA, Valencia-Yépez CA, Upegui-Quiceño E, Yi H, *Howard MS*. MYZAP a newly protein expressed in the skin is autoantigen for patients with endemic pemphigus foliaceus in El Bagre, Colombia. *Our Dermatol Online*. 2020;11(4):340-345. <http://www.odermatol.com/odermatology/20204/2.MYOZAP-AbreuVelezAM.pdf>

Abreu Velez AM, Upegui-Zapata YA, Valencia-Yépez CA, Upegui-Quiceño E, Yi H, Vargas Florez A, Hashimoto T, *Howard MS*. A new variant of endemic pemphigus foliaceus in Colombia South America. *Our Dermatol Online*. 2020;11(3):284-299. <http://www.odermatol.com/odermatology/20203/14.endemic-AbreuVelezAM.pdf>

Abreu-Velez AM, Smoller BR, *Howard MS*. Lesional IgE in flares induced by drugs in a patient with autoimmune lupus erythematosus. *Our Dermatol Online*. 2020;11(3):260-263. <http://www.odermatol.com/odermatology/20203/8.Lesional-Abreu-VelezAM.pdf>

Abreu Velez AM, Smoller BR, *Howard MS*. Ezrin may confine neutrophil orientation in a chemotactic gradient towards the vessels in a case of sweet syndrome. *Our Dermatol Online*. 2020;11(3):247-251. <http://www.odermatol.com/issue-in-html/2020-3-5-sweet>

Abreu Velez AM, Upegui-Zapata YA, Valencia-Yepes CA, Upegui-Quiceño E, Jimenez-Echavarria AM, Nino-Pulido CD, Smoller BR, *Howard MS*. Nail alterations in patients affected by endemic pemphigus foliaceus in El Bagre, Colombia. *Our Derm Online* 2019; 10(4): 325-8. DOI: 10.7241/ourd.20194. <http://odermatol.com/issue-in-html/2019-4-1-pemphigus/>

Abreu Velez AM, Upegui-Zapata YA, Valencia-Yepes CA, Upegui-Quiceño E, Mesa-Herrera NR, Jimenez-Echavarria AM, Nino-Pulido CD, Smoller BR, *Howard MS*. Membrane attack complex (C5b-9 or Mac) is strongly present in lesional skin from patients with endemic pemphigus foliaceus in El Bagre, Colombia. 2019; *J Cutan Pathol* 46(12): 925-9. PMID: 31435955. DOI: 10.1111/cup.13565. <http://www.ncbi.nlm.nih.gov/pubmed/31435955>.

Abreu Velez AM, Upegui-Zapata YA, Valencia-Yepes CA, Vasquez-Hincapie DA, Upegui-Quiceño E, Jimenez-Echavarria AM, Smoller BR, *Howard MS*, Nino-Pulido CD. Involvement of the areae compositae of the heart in endemic pemphigus foliaceus. *Dermatol Prac Concept* 2019; 9(3): 2: 181-6. PMID: 31384490. DOI: 10.5826/dpc.0903a02. <http://www.ncbi.nlm.nih.gov/pubmed/31384490>.

Abreu Velez AM, Howard MS, Lambraño-Padilla HJ, Tobón-Arroyave S. Asymptomatic oral autoimmunity in patients with endemic pemphigus foliaceus in Colombia has direct association with the mucosal immune system. *Dermatol Prac Concept* 2018; 8(4): 252-61. PMID: 30479852. PMCID: PMC6246068. DOI: 10.5826/dpc.0804a02.

Abreu Velez AM, Howard MS, Yi H, Florez-Vargas AA. Patients affected by a new variant of endemic pemphigus foliaceus have autoantibodies colocalizing with MYZAP, p0071, desmoplakins I and II and ARVCF, causing renal damage. *Clin Exp Dermatol* 2018; May 16. PMID: 29768670. DOI: 10.1111/ced.13556. <http://www.ncbi.nlm.nih.gov/pubmed/29768670>.

Abreu Velez AM, Gao W, Howard MS. The optic nerve envelope cell junctions and other structures colocalize with autoantibodies from patients affected by a new variant of endemic pemphigus and p0071, ARVCF and desmoplakins I and II. *Dermatol Prac Concept* 2018; 8(1): 1-6. PMID: 29445566. PMCID: PMC5808363. DOI: 10.5826/dpc.0801a01. <http://www.ncbi.nlm.nih.gov/pubmed/29445566>.

Abreu Velez AM, Douchy CJ, Howard MS. Immune response in a regressing compound dysplastic nevus. *Our Derm Online* 2018; 9(1): 65-67. DOI: 10.7241/ourd.20181.18. <http://www.odermatol.com/issue-in-html/2018-1-18-nevus/>

Abreu Velez AM, Sabini GM, Howard MS. IgD, cyclo-oxygenase 2 and ribosomal protein S6-ps240 immune response in a case of early psoriasis. *Our Derm Online* 2018; 9(1): 41-43. DOI: 10.7241/ourd.20181.12. <http://www.odermatol.com/issue-in-html/2018-1-12-psoriasis/>

Abreu Velez AM, Howard MS, Velazquez-Velez JE. Cardiac rhythm and pacemaking abnormalities in patients affected by endemic pemphigus in Colombia may be a result of deposition of autoantibodies, complement, fibrinogen and other molecules. *Heart Rhythm* 2017; Dec 22. pii: S1547-5271 (17) 31457-61. DOI: 10.1016/j.hrthm.2017.12.023. PMID: 29277685. <http://www.ncbi.nlm.nih.gov/pubmed/29277685>.

Abreu Velez AM, Yi H, Howard MS. Autoantibodies to full vascular cell junctions colocalize with MYZAP, ARVCF, desmoplakins I and II and p0071 in endemic pemphigus in Colombia, South America. *Int J Dermatol* 2017; 7(4): 3-8. DOI: 10.1111.ijd.13827. eCollection 2017 Oct. PMID: 29152726. <http://www.ncbi.nlm.nih.gov/pubmed/29152726>.

Abreu Velez AM, Valencia-Yepes CA, Vasquez-Hincapie DA, Upegui-Zapata YA, Upegui-Quiceño E, Velazquez-Velez JE, Howard MS. Patients affected by a new variant of endemic pemphigus foliaceus have autoantibodies against arrector pili muscles, colocalizing with MYOZAP, p0071, desmoplakins I and II and ARVCF. *Clin Exp Dermatol* 2017; 42(8): 874-80. PMID: 29034528. DOI: 10.1111/ced.13214. <http://www.ncbi.nlm.nih.gov/pubmed/29034528>.

Abreu Velez AM, Yi H, *Howard MS*. Cell junction protein Armadillo Repeat Gene Deleted in Velo-Cardiofacial Syndrome is expressed in the skin and colocalizes with autoantibodies of patients affected by endemic pemphigus foliaceus in Colombia. *Dermatol Prac Concept* 2017; 7(4): 3-8. PMID: 29214101. PMCID: PMC5718118. DOI: 10.5826/dpc.0704a02. <http://www.ncbi.nlm.nih.gov/pubmed/29214101>.

Abreu Velez AM, Devaro J, *Howard MS*. A cutaneous rash with mixed Gell Coombs allergic features, sclerodermoid changes and status post previous therapy. *Our Derm Online* 2017; 8(4): 420-3. DOI: 10.7241/ourd.20174.119. <http://www.odermatol.com/odermatology/20174/12>.

Abreu Velez AM, Cohen DJ, *Howard MS*. Plakophilin 4 and Armadillo Repeat Gene Deleted in Velo-Cardiofacial Syndrome in a skin drug reaction. *Our Derm Online* 2017; 8(4): 410-2. DOI: 10.7241/ourd.20174.144. <http://www.odermatol.com/odermatology/20174/9>. Plakophilin-AbreuVelezAM.pdf.

Abreu Velez AM, Silver WE, *Howard MS*. Triple histology of an extracted polytef (Gore-Tex) implant. *Our Derm Online* 2017; 8(4): 501-2. DOI: 10.7241/ourd.20174.144. <http://www.odermatol.com/odermatology/20174/37>. Triple-AbreuVelezAM.pdf.

Abreu Velez AM, Barth GD, *Howard MS*. Exacerbated pemphigus vulgaris superinfected with herpes virus II, chemoattracting a florid inflammatory response. *J Ital Dermatol Venereol* 2017; Jul 11. PMID: 28704987. DOI: 10.23736./S0392-0488.17.05611-5. <http://www.ncbi.nlm.nih.gov/pubmed/28704987>.

Abreu Velez AM, Brown VM, *Howard MS*. Cytooid, colloidal and large intra-blister round bodies seem to be amalgamated molecules *in situ* in a case of erythema multiforme with C-ANCA. *Our Derm Online* 2017; 8(3): 282-5. DOI: 10.7241/ourd.20173.81. <http://www.odermatol.comodermatology/20173/12>. Cytooid-Abreu-VelezAM.pdf.

Abreu Velez AM, Valencia-Yepes CA, *Howard MS*. Immunologic markers to arrector pili muscle, blister tissue and vessels in a case of bullous eczema herpeticum. *Our Derm Online* 2017; 8(3): 361-3. DOI: 10.7241/ourd.20173.105. <http://www.odermatol.com/issue-in-html/2017-3-36-immunologic/>.

Abreu Velez AM, Jimenez-Echavarria AM, Jackson BL, *Howard MS*. Immunoreactivity to Meissner corpuscles and dermal nerves in a bullous arthropod bite reaction. *Our Derm Online* 2017; 8(1): 102-03. DOI: 10.7241/ourd.20171.28. <http://www.odermatol.com/issue-in-html/2017-1-28-meissner/>.

Abreu Velez AM, Howard MS. Periodic acid Schiff staining parallels the immunoreactivity seen by direct immunofluorescence in autoimmune skin diseases. *N Am J Med Sci* 2016; 8: 151-5. DOI: 10.4103/1947-2714.179132. Publisher: Medknow Publications. PMID:27114972. <http://www.ncbi.nlm.nih.gov/pubmed/27114972>.

Abreu-Velez AM, Howard MS, Brown VM. Spongiotic dermatitis with Langerhans cell microabscesses. *J Cutan Pathol* 2016 Feb; 43(2) 181-6. DOI: 10.1111/cup.12595. Publisher: John Wiley & Sons, Inc. PMID: 26469341. <http://ncbi.nlm.nih.gov/pubmed/26469341>.

Abreu Velez AM, Brown VM, Howard MS. Multiple drug allergy/intolerance syndrome and/or adverse drug reaction with multiple immune reactants. *Our Derm Online* 2015; 6(3): 299-303.

Abreu Velez AM, Calle Isaza J, Howard MS. Immunofluorescence patterns in selected dermatoses, including blistering skin diseases utilizing multiple fluorochromes. *North Am J Med Sci*. 2015; 7: 397-402.

Abreu Velez AM, Howard MS, Brown VM. Spongiotic dermatitis with Langerhans cell microvesicles. *J Cutan Pathol*. 2015; 15. Doi: 10.1111/cup.12595.

Abreu Velez AM, Pereyo NG, Howard MS. Palmoplantar lichen planus: a case report and review of the literature. *An Bras Dermatol*. 2015; 90(3Suppl1): S175-7. DOI: <http://dx.doi.org/10.1590/abd1806-4841.20153034>.

Abreu Velez AM, Googe PB, Kim J, Howard MS. Markers for sebaceoma show a spectrum of cell cycle regulators, tumor suppressor genes and oncogenes. *North Am J Med Sci*. 2015; 7(6): 275-280. DOI: 10.4103/1947-2014.159338.

Abreu Velez AM, Jackson BL, Howard MS. Intraepidermal and subepidermal blistering with skin necrosis, possibly caused by etanercept in treatment of a patient with psoriasis. *Our Derm Online* 2015; 6(3): 299-303. DOI:10.7241/ourd.20153.80.

Abreu Velez AM, Howard MS. Tumor suppressor genes, cell cycle regulatory checkpoints, and the skin. *North Am J Med Sci*. 2015; 7(5): 176-188. DOI: 10.4103/1947-2714.157476.

Abreu Velez AM, Smoller BR, Howard MS. Central centrifugal cicatricial alopecia amalgamated with alopecia areata: immunologic findings. *Our Derm Online*. 2014; 5(3): 287-291.

Abreu Velez AM, Howard MS, Brown VM. Immunoreactivity to dermal vessels in a patient with pyoderma gangrenosum. *Our Derm Online*. 2014; 5(4): 419-422.

Abreu Velez AM, Howard MS, Brown VM. A complex immune response in halo nevi correlates with immune reactivity on infiltrated melanocytes, adjacent hair follicles and blood vessels. *Our Derm Online*. 2014; 5(4): 391-394.

Abreu Velez AM, Vásquez-Hincapié DA, Howard MS. Vimentin may reflect areas of cutaneous involvement in biopsies from patients with autoimmune skin diseases. *Our Derm Online*. 2014; 5(2): 140-143.

Abreu Velez AM, Calle-Isaza J, Howard MS. CD1a, HAM56, CD68 and S-100 are present in lesional skin biopsies from patients affected by autoimmune blistering diseases. *Our Derm Online*. 2014; 5(2): 113-117.

Abreu Velez AM, Calle-Isaza J, Howard MS. HLA-DP, DQ, DR antigen is expressed in lesional skin from patients with autoimmune skin diseases. *Our Derm Online*. 2014; 5(2): 125-128.

Abreu Velez AM, Brown VM, Howard MS. Linear IgA bullous disease with possible reactivity to the basement membrane zone and dermal blood vessels. *Our Derm Online* 2014 5(1): 71-73.

Abreu Velez AM, Googe PB Jr., Howard MS. Ribosomal protein S6-pS240 is expressed in lesional skin from patients with autoimmune skin diseases. *North Am J Med Sci* 2013 5: 604-608.

Abreu Velez AM, Calle-Isaza J, Howard MS. A case of bullous pemphigoid with immunoreactivity to blood vessels and sweat glands. *Our Derm Online* 2013 4: 621-624.

Abreu Velez AM, Oliver J, Howard MS. Immunohistochemistry studies in a case of dermatitis herpetiformis demonstrates complex patterns of reactivity. *Our Derm Online* 2013 4: 627-630.

Abreu Velez AM, Vasquez-Hincapie DA, Howard MS. Autoimmune basement membrane and subepidermal blistering diseases. *Our Derm Online* 2013 4: 647-662.

Abreu Velez AM, Googe PB Jr., Howard MS. In situ immune response in skin biopsies from patients affected by autoimmune blistering diseases. *Our Derm Online* 2013 4: 606-612.

Abreu Velez AM, Googe PB Jr., Howard MS. Immunohistochemistry versus immunofluorescence in the diagnosis of autoimmune blistering diseases. *Our Derm Online* 2013 4: 627-630.

Abreu Velez AM, Smoller BR, Howard MS. Rouleaux and autoagglutination of erythrocytes associated with fibrin-like material in skin biopsies from patients with autoimmune blistering diseases. *Our Derm Online* 2013 4: 613-615.

Abreu Velez AM, Roselino AM, Howard MS. Mast cells, mast/stem cell growth factor receptor(c-kit/CD117) and IgE may be integral to the pathogenesis of endemic pemphigus foliaceus. *Our Derm Online* 2013 4: 596-600.

Abreu Velez AM, Calle-Isaza J, Howard MS. Autoimmune epidermal blistering diseases. *Our Derm Online* 2013 4: 631-646.

Abreu Velez AM, Brown VM, Howard MS. A transient drug-induced lupus erythematosus-like allergic drug reaction with multiple antibodies. *Our Derm Online* 2013 4: 511-513.

Abreu Velez AM, Barth GD, Howard MS. Thrombomodulin overexpression surrounding a subepidermal bullous allergic drug reaction. *Our Derm Online* 2013 4: 514-516.

Abreu Velez AM, Calle-Isaza J, Howard MS. Cyclo-oxygenase 2 is present in the majority of lesional skin from patients with autoimmune blistering diseases. *Our Derm Online* 2013 4: 476-478.

Abreu Velez AM, Yepes-Naranjo MM, Avila IC, Londono ML, Googe PB Jr., Velasquez-Velez JE, Velez ID, Upegui YA, Jimenez-Echevarria A, Mesa-Herrera NR, Yi H, Calle Isaza J, Howard MS. Tissue inhibitor of metalloproteinase 1, matrix metalloproteinase 9, alpha 1 antitrypsin, metallothionein and urokinase type plasminogen activator receptor in skin biopsies from patients affected by autoimmune blistering diseases. *Our Derm Online* 2013 4: 275-280.

Abreu Velez AM, Klein AD, Howard MS. Specific cutaneous histologic and immunologic features in a case of early lupus erythematosus scarring alopecia. *Our Derm Online* 2013 4: 199-201.

Abreu Velez AM, Avila IC, Howard MS. Immune response in a cutaneous allergic drug reaction secondary to Imidapril, Benazapril and Metformin. *Our Derm Online* 2013 4: 192-195.

Abreu Velez AM, Brown VM, Shipp L, Smoller BR, Howard MS. N-TRAPs and cANCA in a vasculitis-lupus-scleroderma-panniculitis overlap syndrome. *Our Derm Online* 2013 4: 83-86.

Abreu Velez AM, Jackson BL, Velasquez-Cantillo KL, Benavides-Alvarez AR, Howard MS. Merkel cell carcinoma versus metastatic small cell primary bronchogenic carcinoma. *Our Derm Online* 2013 4: 64-71.

Abreu Velez AM, Howard MS. Neural reactivity detected by immunofluorescence in a patient with a localized blistering disease. *Our Derm Online* 2013 4: 91-94.

Abreu Velez AM, Klein AD, Howard MS. An allergic bullous drug reaction triggered by levofloxacin and trimethoprim/sulfamethoxazole mimicking an autoimmune blistering disease. *Our Derm Online* 2012 3: 341-343.

Abreu Velez AM, Howard MS, Gao W, Grossniklaus HE, Jiao Z, Arias LF, Dudley SC Jr., Smoller BR. Varicella zoster virus (VZV) and antitrypsin: a fatal outcome in a patient affected by endemic pemphigus. *Int J Derm* 2012 51: 809-816.

Abreu Velez AM, Klein AD, Howard MS. JAM-A, plasminogen and fibrinogen reactivity in a case of a lupus erythematosus-like reaction to Lisinopril. *J Clin Exp Derm Res* 2012 5:6.

Abreu Velez AM, Howard MS, Pereyo NG, Delman KA, Mihm MC Jr., Rizzo M. CD45/CD8, myeloid histoid antigen and plasma cell antibody immune response in a case of malignant melanoma. *N Am J Med Sci* 2012 4: 507-509.

Abreu Velez AM, Yi H, Girard JG, Duque-Ramirez M, Arias LF, Smoller BR, Dudley SC Jr., Howard MS. Dermatitis herpetiformis bodies and autoantibodies to noncutaneous organs and mitochondria in dermatitis herpetiformis. *Our Derm Online* 2012 3: 283-291.

Abreu Velez AM, Klein AD, Howard MS. Immune findings in central centrifugal cicatricial alopecia. *Our Derm Online* 2012 3:202-205.

Abreu Velez AM, Howard MS. Immune reactivity in psoriatic Munro Saboureaux microabscesses, stratum corneum and blood vessels. *N Am J Med Sci* 2012 4: 257-265.

Abreu Velez AM, Howard MS. Collagen IV in normal skin and in pathologic processes. *N Am J Med Sci* 2012 4: 1-8.

Abreu Velez AM, Brown VM, Howard MS. Cytotoxic and antigen presenting cells and non-basement membrane zone pathology in a case of bullous pemphigoid. *Our Derm Online* 2012 3: 93-99.

Abreu Velez AM, Howard MS, Brzezinski P. Immunofluorescence in multiple tissues utilizing serum from a patient affected by systemic lupus erythematosus. *Our Derm Online* 2012 3: 431-434.

Abreu Velez AM, Brown VM, Howard MS. An inflamed trichilemmal(pilar) cyst: not so simple? *N Am J Med Sci* 2011 3: 431-434.

Abreu Velez AM, Klein AD, Howard MS. Skin appendageal immune reactivity in a case of lupus. *Our Derm Online* 2011 2: 175-180.

Abreu Velez AM, DeJoseph LM, Howard MS. HAM56 and CD68 antigen presenting cells surrounding a sarcoidal granulomatous tattoo. *N Am J Med Sci* 2011 3: 475-477.

Abreu Velez AM, Yi H, Googe PB Jr, Mihm MC Jr, *Howard MS*. Autoantibodies to melanocytes and characterization of melanophages in patients affected by a new variant of endemic pemphigus foliaceus. *J Cutan Path* 2011 38(9): 710-719.

Abreu Velez AM, Klein AD, *Howard MS*. LAT, EGFR-pY197, PCNL2, CDX2, HLADPDQDR, bromodeoxyuridine, JAM-A and ezrin immunoreactants in a rubbed spongiotic dermatitis. *Our Derm Online* 2011 2: 211-215.

Abreu Velez AM, Jackson BL, *Howard MS*. Salt and pepper staining patterns for LAT, ZAP-70 and MUM-1 in a vasculitic bullous allergic drug eruption. *Our Derm Online* 2011 2: 211-215.

Abreu Velez AM, Howard WR, *Howard MS*. Upregulation of anti-human ribosomal protein S6-p240, topoisomerase II alpha, cyclin D1, bcl-2 and anti-corneal antibodies in acute psoriasis. *Our Derm Online* 2011 3: 113-117.

Abreu Velez AM, Smith JG Jr., *Howard MS*. Subcorneal pustular dermatosis (Sneddon Wilkinson) with multiple immunoreactants. *Int J Clin Exp Pathol* 2011 4: 526-529.

Abreu Velez AM, Klein AD, *Howard MS*. Survivin, p53, MAC, Complement/C3, fibrinogen and HLA-ABC within hair follicles in follicular degeneration syndrome. *N Am J Med Sci* 2011 3: 251-254.

Abreu Velez AM, Smith JG Jr., *Howard MS*. Activation of the signaling cascade in response to T lymphocyte receptor stimulation and prostanoids in a case of cutaneous lupus. *North Am J Med Sci*. 2011 3: 251-254.

Abreu Velez AM, Loebl AM, *Howard MS*. Spongiotic dermatitis with a mixed inflammatory infiltrate of lymphocytes, antigen presenting cells, immunoglobulins and complement. *Our Derm Online* 2011 2(2): 52-57.

Abreu Velez AM, Klein AD, *Howard MS*. Overexpression of linker for activated T cells, cyclooxygenase 2, CD1a, CD68 and myeloid/histiocyte antigen in an inflamed seborrheic keratosis. *North Am J Med Sci*. 2011 3: 161-163.

Abreu Velez AM, Girard JG, *Howard MS*. IgG bullous pemphigoid with antibodies to IgD, dermal blood vessels, eccrine glands, and the endomysium of monkey esophagus. *Our Derm Online* 2011 2(2): 48-51.

Abreu Velez AM, Klein AD, *Howard MS*. Bullous allergic drug eruption with presence of myeloperoxidase and reorganization of the dermal vessels observed by using CD34 and collagen IV antibodies. *North Am J Med Sci*. 2011 3: 82-84.

Abreu Velez AM, Howard MS, Grossniklaus HE, Gao W, Hashimoto T. Neural system antigens are recognized by autoantibodies from patients affected by a new variant of endemic pemphigus foliaceus in Colombia. *J Clin Immunol* 2011 31: 356-368.

Abreu Velez AM, Jiao Z, Howard MS, Dudley SC Jr. Cardiac autoantibodies from patients affected by a new variant of endemic pemphigus foliaceus in Colombia, South America. *J Clin Immunol* 2011 31: 985-997.

Abreu Velez AM, Yi H, Gao W, Smoller BR, Grossniklaus HE, Howard MS. Antibodies to pilosebaceous units, in a new variant of pemphigus foliaceus. *Eur J Derm* 2011 21: 371-375.

Abreu Velez AM, Smith JG Jr, Howard MS. Cutaneous lupus erythematosus with autoantibodies colocalizing with glial acidic fibrillary protein. *Our Derm Online* 2011 2(1): 8-11.

Abreu Velez AM, Howard MS. Diagnosis, and treatment of cutaneous paraneoplastic disorders. *Derm Ther* 2010 23: 662-75.

Abreu Velez AM, Smith JG Jr, Howard MS. IgG/IgE bullous pemphigoid with CD45 lymphocytic reactivity to dermal blood vessels, nerves and eccrine sweat glands. *North Am J Med Sci.* 2010 2: 538-41.

Abreu Velez AM, Howard MS, Smoller BR. Atopic dermatitis and possible polysensitization, with monkey esophagus reactivity. *North Am J Med Sci.* 2010 2: 336-40.

Abreu Velez AM, Howard MS, Brown VM. Antibodies to piloerector (arrector pili) muscle in a case of lupus/lichen planus overlap syndrome. *North Am J Med Sci.* 2010 2: 276-80.

Abreu Velez AM, Klein AD, Howard MS. Junctional adhesion molecule overexpression in Kaposi varicelliform eruption skin lesions, as a possible herpes virus entry site. *North Am J Med Sci* 2010 2: 433-37.

Howard MS, Yepes MM, Maldonado JG, Villa E, Jaramillo A, Botero J, Patiño PJ, Hashimoto T, Abreu Velez AM. Broad histopathologic patterns of non-glabrous skin and glabrous skin from patients with a new variant of endemic pemphigus foliaceus (Part 1). *J Cutan Path* 2010 Feb; 37(2): 222-30.

Abreu Velez AM, Howard MS, Hashimoto T, Grossniklaus HE. Human eyelid meibomian glands and tarsal muscle are recognized by autoantibodies from patients affected by a new variant of endemic pemphigus foliaceus in El-Bagre, Colombia, South America. *J Am Acad Derm* 2010 Mar; 62(3): 437-47.

Abreu Velez AM, Messias Reason LJ, Howard MS, Roselino AM. Endemic pemphigus foliaceus over a century: part 1. *North Am J Med Sci.* 2010 2: 51-59.

Abreu Velez AM, Roselino AM, *Howard MS*, Messias Reason LJ. Endemic pemphigus foliaceus over a century: part 2. *North Am J Med Sci*. 2010 2 :114-25.

Abreu Velez AM, Klein AD, Howard MS. Autoreactivity to sweat glands and nerves in a clinical scabies infection. *North Am J Med Sci* 2010; 2: 422-25.

Abreu Velez AM, Smith JG Jr., *Howard MS*. Vimentin compartmentalization in discoid lupus *North Am J Med Sci*. 2010 2: 106-10.

Abreu Velez AM, Jackson BL, *Howard MS*. Deposition of immunoreactants in a cutaneous allergic drug reaction. *North Am J Med Sci*. 2009 1: 180-83.

Abreu Velez AM, *Howard MS*, Hashimoto K, Hashimoto T. Autoantibodies to sweat glands detected by different methods in serum and in tissue from patients affected by a new variant of endemic pemphigus foliaceus. *Arch Derm Res*. 2009 Oct 301(10): 711-18.

Abreu Velez AM, *Howard MS*, Loeb AM. Autoreactivity to sweat and sebaceous glands and skin homing T cells in lupus profundus. *Clin Immunol*. 2009 132: 420-24.

Abreu Velez AM, Villa Robles E, *Howard MS*. A new variant of endemic pemphigus foliaceus in El-Bagre, Colombia: The Hardy-Weinberg-Castle law and linked short tandem repeats. *North Am J Med Sci*. 2009 1: 169-79.

Abreu Velez AM, Girard JG, *Howard MS*. Antigen presenting cells in a patient with hair loss and systemic lupus erythematosus. *North Am J Med Sci*. 2009 1: 205-10.

Abreu Velez AM, Smith JG Jr., *Howard MS*. Neutrophil extracellular traps (NETS), IgD, myeloperoxidase (MPO) and antineutrophil cytoplasmic antibody (ANCA) associated vasculitides. *North Am J Med Sc*. 2009 1: 309-13.

Abreu Velez AM, *Howard MS*, Restrepo M, Smoller BR. Formalin deposition as artifact in biopsies from patients affected by a new variant of endemic pemphigus foliaceus in El Bagre, Colombia, South America. *J Cutan Path* 2009 Dec 10. 37(8): 835-42.

Abreu Velez AM, *Howard MS*, Pinto FJ Jr. Dyshidrotic eczema: relevance to the immune response *in situ*. *North Am J Med Sci* 2009, August, Vol 1. No 3: 117-20.

Abreu Velez AM, *Howard MS*, Hashimoto T. Palms with a polyclonal autoimmune response in patients affected by a new variant of endemic pemphigus foliaceus in Colombia, South America. *Eur J Dermatol*. 2009 Nov 4. 20(1): 74-81.

Yug A, Lane JE, Howard MS, Kent DE. Histologic study of depressed acne scars treated with serial high concentration (95%) trichloroacetic acid. *Derm Surg* 2006 Aug 32(8) 985-90.

Asplund SL, McKenna RW, Howard MS, Kroft SH. Immunophenotype does not correlate with lymph node histology in CLL/SLL. *Am J Surg Path* 2002 26(5): 624-29.

Howard MS. An Atlas of Histopathology of Skin Diseases. Book Review. *J Cutan Path* 2001 28: 53-54.

Howard MS, Smoller BR. Mycosis Fungoides: Classic disease and variant presentations. *Sem Cutan Med Surg* 2000 19: 91-99.

Kroft SH, Howard MS, Picker LJ, Ansari MQ, Aquino DB, McKenna, RW. *De Novo* CD5 Positive diffuse large B-cell lymphomas: a heterogeneous group containing a distinct form of splenic lymphoma. *Am J Clin Path* 2000 114: 523-533.

Howard MS, Smoller BR. "Trichofolliculoma". Book Chapter. In: Online Textbook of Dermatology, William James, M.D., Editor, 2000.

BOOKS AND BOOK CHAPTERS

Abreu Velez AM., Deloach ED, Howard MS. Double color immunohistochemistry analysis of the immune response, angiolymphatic invasion and tumor mitotic rate in a superficial spreading malignant melanoma. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM. Valencia-Yepez CA, Howard MS. Vimentin, bromodeoxyuridine and topoisomerase II α expression in a mildly dysplastic compound nevus. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Vásquez-Hincapié DA, Howard MS. Basal cell carcinoma with sebaceous and squamous differentiation, with expression of proliferating cell nuclear antigen, P27^{Kip1} and vimentin. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM. Jackson BL, Howard MS. A case of an inflamed precancerous wart, and immune response with Factor XIIIa, IgD, CD11c/CD18 and CD79a. Book Chapter. In:

Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Upegui-Zapata YA, Howard MS. Squamous cell carcinoma immunohistochemical staining reveals lateral satellitosis undetected via hematoxylin and eosin. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Vildibill HD, Howard MS. Immunologic and cell cycle regulatory markers in an inflamed actinic keratosis. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Lockhart R, Howard MS. Aggressive nodular basal cell carcinoma with expression of proliferating cell nuclear antigen and B-cell lymphoma 2 gene. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Jackson BL, Howard MS. Epidermis above a nodular basal cell carcinoma overexpressing proliferating cell nuclear antigen. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Jackson BL, Howard MS. Epidermal tissue near a basal cell carcinoma overexpress proliferating cell nuclear antigen, cyclin D1, topoisomerase II α , KI-67 and p27^{kip1}. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Brown VM, Howard MS. Directed host immune response against a primary cutaneous squamous cell carcinoma. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Lockhart R, Howard MS. Aggressive nodular basal cell carcinoma with expression of proliferating cell nuclear antigen and B-cell lymphoma 2 gene. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Vildibill HD, *Howard MS*. Octamer transcription factor-2 (OCT-2) and CD25 expression in a recurrent cutaneous melanoma. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Douchy CJ, *Howard MS*. Ribosomal protein S6-PS240, CD45 and cyclooxygenase-2 in an inflamed mildly dysplastic junctional nevus. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez AM, Calle-Isaza J, Upegui-Zapata YA, Vásquez- Hincapié DA, Upegui-Quiceño E, Mesa-Herrera NR, Valencia-Yepes CA, Velasquez-Velez JE, Vásquez-Hincapié DA, *Howard MS*. Inflammatory markers, oncogenes, and tumor suppressor cell cycle regulators in skin growths, pre-skin and skin tumors. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez, Vildibill HD, *Howard MS*. Immunologic and cell cycle regulatory markers in an inflamed actinic keratosis. Book Chapter. In: *Inflammatory markers, oncogenes, and tumor suppressor 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.

Abreu Velez, AM, Velazques-Velez, J., *Howard MS*. Bullous Pemphigoid: Broader Concepts. Book Chapter. In *Advances in Dermatology Research* (pp. 9-32). S.I., New York: Nova Science. ISBN: 978-1-63484-304-1. Feb 10, 2015.

Abreu Velez AM., Velazques-Velez JE, *Howard MS*. Dermal neurovascular structures demonstrate autoimmune reactivity in lesional skin of a patient with bullous pemphigoid. Book Chapter. In: *Advances in Dermatology Research* (pp 33-44). S.I., New York: Nova Science. ISBN: 978-1-63484-304-1. Feb 10, 2015.

Abreu Velez AM., Brown VM, *Howard MS*. A bullous pemphigoid-like allergic drug reaction, with clues for differentiation versus classic bullous pemphigoid. Book Chapter. In: *Advances in Dermatology Research* (pp 57-66). S.I., New York: Nova Science. ISBN: 978-1-63484-304-1. Feb 10, 2015.

Abreu Velez AM., Jackson BL, *Howard MS*. Expression of Immunologic markers varies between intact blister and traumatized blister areas in a patient with bullous pemphigoid. Book Chapter. In: *Advances in Dermatology Research* (pp 45-56). S.I., New York: Nova Science. ISBN: 978-1-63484-304-1. Feb 10, 2015.

Abreu Velez AM, *Howard MS*. “Lupus: a comprehensive review”. Book Chapter. In: Lupus: symptoms, treatment, and potential complications. Editors: Thiago D. Marquez, David U. Neto. Series: Immunology and Immune System Disorders. Binding: ebook, Nova Science Publishers, Happaage, New York, 2012.

PRESENTED ABSTRACTS AND LECTURES:

Abreu Velez, AM, Jiao Z, Gao W, *Howard MS*, Grossniklaus HE, Arias Restrepo LF, Dudley SC. “Multiple heart cell junctions and blood vessels are recognized by autoantibodies from patients affected by a new variant of endemic pemphigus foliaceus in Colombia, South America”, Abstract presentation at Seventieth Annual Meeting, Society for Investigative Dermatology, May 2010, Atlanta, Georgia

Howard MS. “Dermatopathology Clinicopathologic Correlations”, Lecture presentations at Georgia Society of Dermatologists Annual Meeting, June 2006, Sea Island, Georgia; and at Atlanta Dermatological Association Monthly Meeting, August 2006, Atlanta, Georgia

Howard MS, Smoller BR, Horn TD. “AILD-Like T Cell Lymphoma Presenting with Cutaneous Findings”, Abstract presentation at American Society of Dermatopathology National Meeting, November 1999, La Jolla, California

Howard MS. “*De Novo* CD5-Positive diffuse large B cell lymphomas: a heterogeneous group containing a distinct form of splenic lymphoma”. Lecture presentation at United States and Canadian Academy of Pathology Annual Meeting, March 1999, San Francisco, California

PUBLICATION IMPACT TRACK:

ResearchGate. Total reads: 28,868. Publication reads: 27,868. Other reads:13,458. Percentile: Score is higher than 90% of all ResearchGate member scores. 871.1Research Interest Score. 2,151 Citations.

CONTINUING MEDICAL EDUCATION(CME) PROGRAMS:

Cambridge, Massachusetts

- Current Concepts in Surgical Pathology, Harvard Medical School. October 2023 and October 2024,
- Alabama Dermatology Society Annual Meetings, June 2005-2019, Destin, Florida.
- American Society of Dermatopathology Annual Meeting, October 2010, Atlanta, Georgia.
- Society for Investigative Dermatology, Annual Meeting, May 2010, Atlanta, Georgia.
- The Massachusetts Medical Society, NEJM Manuscript Review CME Program, December 2009, Boston, Massachusetts.
- Georgia Society of Dermatologists Annual Meetings, June 2005-2007, 2009, Sea Island, Georgia and Ponte Vedra Beach, Florida.
- Piedmont Dermatological Society of South Carolina, Thirtieth Annual Congress, October 2008, Asheville, North Carolina.
- Scientific Symposiums International Dermatopathology Course Reviews, June 2007-2009, Hilton Head Island, South Carolina.
- Dermatology Foundation Clinical Symposium: Advances in Dermatology, April 2008, Amelia Island, Florida.
- Fifty-sixth Annual Montagna Symposium on the Biology of the Skin, Oregon Health Sciences University School of Medicine, October 2007, Gleneden Beach, Oregon.
- Harvard Dermatopathology Update CME Course, October 2006, Boston, Massachusetts

SCIENTIFIC CITATION WEBSITES:

- <http://www.gadermpath.com>

- <https://www.linkedin.com/in/michael-s-howard-3b3331116/>
- https://scholar.google.com/scholar?hl=en&as_sdt=0%2C11&q=Michael+S+Howard&btnG=
- www.labmeeting.com/papers/author/HowardMS
- www.sciencedirect.com/science
- www.pipl.com/directory
- www.sidnet.org/donors.aspx.com
- www.sciencestage.com
- www.researchgate.net
- <https://pubmed.ncbi.nlm.nih.gov/?term=Howard+MS>
- <https://providers.doctor.com/app/manage-data/providers/profile=746985>
- <https://www.doximity.com/profiles/7c8182d9-3610-46eb-9253-d40345f3feb0/edit>
- <https://health.usnews.com/doctors/michael-howard-139030>
- <https://orcid.org/my-orcid?orcid=0000-0003-0430-6093>

REFERENCES:

Bruce R. Smoller, M.D.
 Professor
 Department of Pathology and Laboratory Medicine
 University of Rochester Medical Center
 601 Elmwood Street
 Rochester, New York 14642
 Telephone: (585) 275-3183
 E-mail: BruceSmoller@URMC.Rochester.edu.

Paul B. Googe, Jr., M.D.

Professor

UNC Dermatopathology Service

8131 Neuroscience Research Building

115 Mason Farm Road, CB7287

Department of Pathology and Laboratory

Medicine,

Univ. of North Carolina Medical Center

Chapel Hill, North Carolina 27599

Telephone: (919) 966-0786

E-mail: paul_googe@med.unc.edu.