

## CURRICULUM VITAE

**NAME:** Michael Scott Howard, M.D.

**DATE/LOCATION OF BIRTH:** December 8, 1959  
Atlanta, Georgia USA

**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  
1534 North Decatur Road, NE; Suite 206  
Atlanta, Georgia 30307-1000  
Telephone: (404) 371-0077  
Fax: (404) 371-1900  
Cellular 24/7: (404) 431-9249  
Email: [mhoward@gadermpath.com](mailto:mhoward@gadermpath.com)

**EDUCATION:**

**Postgraduate**

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,<br>Georgia Dermatopathology Associates, Atlanta,<br>Georgia           |
| February 2001 – February 2002 | Staff Dermatopathologist,<br>Quest Diagnostics Clinical Laboratories,<br>Atlanta, Georgia                       |
| August 2000 – December 2000   | Staff Dermatopathologist,<br>Atlanta Dermatopathology and Pathology<br>Associates, Atlanta, Georgia             |
| January 1993 – June 1993      | Pathology Associate,<br>Georgia Tissue Bank/Cryolife, Inc., Atlanta,<br>Georgia                                 |
| November 1986 – August 1987   | Unit Secretary, Emergency Department, DeKalb<br>Medical Center, Decatur, Georgia                                |
| October 1983 – August 1984    | Research Technician, Dept. of Anatomy<br>and Cell Biology, Emory University<br>Medical Center, Atlanta, Georgia |

**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

## PROFESSIONAL PUBLICATIONS:

Abreu-Velez AM, Howard MS. A new variant of endemic pemphigus foliaceus in El Bagre and surrounding areas of Colombia, South America. In: World Atlas of Dermatology. Editors BR Smoller and Nooshin Bagherani. In press.

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-Yeppez CA, Howard MS. Vimentin, bromodeoxyuridine and topoisomerase II  $\alpha$  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<sup>Kip1</sup> 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 $\alpha$ , KI-67 and p27<sup>Kip1</sup>. 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. 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, 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. OI: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 c-ANCA 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 Saboureau 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, *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.

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, HLA-DPDQDR, 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, Loebel 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, Patino 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, Loebel 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.

### **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

**DIAGNOSTIC PROFICIENCY TESTING  
PARTICIPATION:**

Yearly participation in the American Society of Dermatopathology (ASDP) Diagnostic Quality Assurance Program

**CONTINUING MEDICAL EDUCATION(CME) PROGRAMS:**

- Alabama Dermatology Society Annual Meetings, June 2005-2015, 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:**

- [www.labmeeting.com/papers/author/HowardMS](http://www.labmeeting.com/papers/author/HowardMS)
- [www.sciencedirect.com/science](http://www.sciencedirect.com/science)
- [www.pipl.com/directory](http://www.pipl.com/directory)
- [www.sidnet.org/donors.aspx.com](http://www.sidnet.org/donors.aspx.com)
- [www.sciencestage.com](http://www.sciencestage.com)
- [www.researchgate.net](http://www.researchgate.net)
- [www.nextbio.com](http://www.nextbio.com)
- [www.pubmed.org](http://www.pubmed.org)

**REFERENCES:**

Bruce R. Smoller, M.D.  
Professor and Chair  
Dept. of Pathology and Laboratory Medicine  
University of Rochester Medical Center  
601 Elmwood Street  
Rochester, New York 14642  
Telephone: (585) 275-3183  
E-mail: [Bruce\\_Smoller@URMC.Rochester.edu](mailto:Bruce_Smoller@URMC.Rochester.edu)

Paul B. Googe, Jr., M.D.  
Laboratory Director and Dermatopathologist  
Knoxville Dermatopathology Laboratory  
315 Erin Drive  
Knoxville, Tennessee 37919-6202  
Telephone: (865) 584-1933  
Email: [pgooge@labpath.com](mailto:pgooge@labpath.com)

Hans E. Grossniklaus, M.D.  
Professor and Laboratory Director  
Montgomery Eye Pathology Laboratory  
Department of Ophthalmology  
Emory University Medical Center  
1365-B Clifton Road, NE  
Atlanta, Georgia 30322-1000  
Telephone: (404) 778-4611  
Email: [ophtheg@emory.edu](mailto:ophtheg@emory.edu)



