EDITORIAL
1841 Putting “Research Techniques Made Simple” Articles to Work for You and for the Future of Investigative Dermatology
JL Johnson

1843 Use of “Research Techniques Made Simple” Series in Translational Topics Training in Dermatology at Oregon Health & Science University
S Ophaug and TR Medler

1845 Clinical Snippets

1846 Editors’ Picks

1847 BJD Editor’s Choice

JID CONNECTOR
1848 Research Techniques Made Simple: Forward Genetic Screening to Uncover Genes Involved in Skin Biology
W McAlpine, J Russell, AR Murray, B Beutler and E Turer
e99 SnapshotDx Quiz: September 2019
S Rengarajan and MJ Anadkat
e103 Cells to Surgery Quiz: September 2019
T-L Yang and EA Hurst

COMMENTARIES
1854 Cross-Talk between Hemidesmosomes and Focal Adhesions: A Primer for Wound Healing, Blistering Skin Disease, and Skin Aging
M Hatzfeld and TM Magin

1857 Can Combination MEK and Akt Inhibition Slay the Giant Congenital Nevus?
BM Murphy and CE Burd

ORIGINAL ARTICLES

Autoimmunity/Autoinflammation
1860 Demographics and Autoantibody Profiles of Pemphigoid Patients with Underlying Neurologic Diseases
KN Messingham, AD Miller, NS Narayanan, SJ Connell and JA Fairley

Barrier Function
1867 Keratinocyte Proline-Rich Protein Deficiency in Atopic Dermatitis Leads to Barrier Disruption
H Suga, T Oka, M Sugaya, Y Sato, T Ishii, H Nishida, S Ishikawa, M Fukayama and S Sato

Cell Adhesion
1876 Hemidesmosomes and Focal Adhesions Treadmill as Separate but Linked Entities during Keratinocyte Migration
A Pora, S Yoon, R Windoffer and RE Leube

Cell Biology
1889 Peptidylarginine Deiminase Inhibitor Cl-Amidine Attenuates Cornification and Interferes with the Regulation of Autophagy in Reconstructed Human Epidermis
L Cau, H Takahara, PR Thompson, G Serre, M-C Méchin and M Simon
Clinical Research

1898 Skin Cancer Early Detection Practices among Adult Survivors of Childhood Cancer Treated with Radiation

1906 Racial/Ethnic Variation in Use of Ambulatory and Emergency Care for Atopic Dermatitis among US Children

Connective Tissue/Matrix Biology

1914 Bone Morphogenetic Protein-6 Inhibits Fibrogenesis in Scleroderma Offering Treatment Options for Fibrotic Skin Disease
S Arndt, S Karrer, C Hellerbrand and AK Bosserhoff

1925 TRAF4 Promotes Fibroblast Proliferation in Keloids by Destabilizing p53 via Interacting with the Deubiquitinase USP10
C-C Deng, D-H Zhu, Y-J Chen, T-Y Huang, Y Peng, S-Y Liu, P Lu, Y-H Xue, Y-P Xu, B Yang and Z Rong

Inflammation

1936 Disruption of the Sensory System Affects Sterile Cutaneous Inflammation In Vivo
F La Russa, DM Lopes, C Hobbs, F Argunhan, S Brain, S Bevan, DLH Bennett and SB McMahon

1946 cis-Khellactone Inhibited the Proinflammatory Macrophages via Promoting Autophagy to Ameliorate Imiquimod-Induced Psoriasis
L Feng, P Song, F Xu, L Xu, F Shao, M Guo, W Huang, L Kong, X Wu and Q Xu

1957 Eosinophils Mediate Basophil-Dependent Allergic Skin Inflammation in Mice
JU Eberle, D Radtke, F Nimmerjahn and D Voehringer

Lymphoma/Lymphoproliferative Disorders

1966 Preclinical Targeting of MicroRNA-214 in Cutaneous T-Cell Lymphoma

1975 Contribution of STAT3 and RAD23B in Primary Sézary Cells to Histone Deacetylase Inhibitor FK228 Resistance
RM Butler, RC McKenzie, CL Jones, CE Flanagan, WJ Woollard, M Demontis, S Ferreira, I Tosi, S John, SJ Whittaker and TJ Mitchell

Melanocytes/Melanoma

1985 Exome Sequencing of ABCB5 Identifies Recurrent Melanoma Mutations that Result in Increased Proliferative and Invasive Capacities
G Sana, JP Madigan, JJ Gartner, M Fourrez, J Lin, N Qutob, J Narayan, S Shukla, SV Ambudkar, D Xia, SA Rosenberg, MM Gottesman, Y Samuels and J-P Gillet

1993 Melanocyte Hyaluronan Coat Fragmentation Enhances the UVB-Induced TLR-4 Receptor Signaling and Expression of Proinflammatory Mediators IL6, IL8, CXCL1, and CXCL10 via NF-kB Activation
P Takabe, R Kärnäs, L Rauhala, M Tammi, R Tammi and S Pasonen-Seppänen

2004 Local Inhibition of MEK/Akt Prevents Cellular Growth in Human Congenital Melanocytic Nevi
T Rouillé, S Aractingi, N Kadlub, S Fraitag, A How-Kit, A Daunay, M Hivelin, P Moguelet, A Picard, RH Fontaine and S Guéган
Tumor Biology
2016 Loss of Epidermal HIF-1α Blocks UVB-Induced Tumorigenesis by Affecting DNA Repair Capacity and Oxidative Stress
W Mahfouf, M Hosseini, E Muzotte, M Serrano-Sanchez, L Dousset, F Moisan, W Rachidi, A Taieb, J Rudolf and HR Rezvani

Wound Healing
2029 Keratinocyte Integrin α3β1 Promotes Secretion of IL-1α to Effect Paracrine Regulation of Fibroblast Gene Expression and Differentiation
R Zheng, WM Longmate, L DeFreest, S Varney, L Wu, CM DiPersio and L Van De Water

LETTERS TO THE EDITOR
2039 HOPX Is a ZNF750 Target that Promotes Late Epidermal Differentiation
SY Chen, MA Ishii, B Cheng, ABC Otten and BK Sun

2042 Genome-Wide Association Study in Irradiated Childhood Cancer Survivors Identifies HTR2A for Subsequent Basal Cell Carcinoma

2045 HLA-C*01:02 and HLA-A*02:07 Confer Risk Specific for Psoriatic Patients in Southern China
M Cai, H Huang, D Ran, X Zheng, L Wen, Z Zhu, L Liu, C Zhang, X Hong, J Hong, W Wu, J Ma, M Wu, D Qian, Y Sheng and X Zhang

2049 Identity-by-Descent Analysis Reveals Susceptibility Loci for Severe Acne in Chinese Han Cohort
X Yang, W Wu, M Peng, Q Shen, J Feng, W Lai, H Zhu, C Tu, X Quan, Y Chen, L Qin, D Li, L He and Y Zhang

2052 Subcutaneous White Adipose Tissue of Healthy Young Individuals Harbors a Leukocyte Compartment Distinct from Skin and Blood
M-C Brüggen, J Strobl, F Koszik, R Naito, M Vierhapper, N Li, G Stary, H Kiprov, LE French and G Stingl

2055 Imaging Mass Spectrometry-Based Lipidomic Approach to Classification of Architectural Features in Nevi
J Garate, S Lage, R Fernández, V Velasco, B Abad, A Asumendi, J Gardeazabal, Y Arroyo-Berdugo, MA Rodríguez, JL Artola, I Zabalza, B Ochoa, JA Fernández and MD Boyano

2058 Delineating the Healthy Human Skin UV Response and Early Induction of Interferon Pathway in Cutaneous Lupus Erythematosus
S Katayama, J Panelius, S Koskenmies, T Skoog, K Mähönen, K Kisand, V Bondet, D Duffy, K Krajčí, J Kere and A Ranki

2061 CCR6+ γδ T Cells Home to Skin Wounds and Restore Normal Wound Healing in CCR6-Deficient Mice

B1 LATE-BREAKING ABSTRACTS FROM THE SOCIETY FOR INVESTIGATIVE DERMATOLOGY 2019 ANNUAL MEETING
Normal human keratinocytes were seeded onto fibronectin (FN)-coated X-micropatterns and fixed with paraformaldehyde one day later. Multiparameter fluorescence microscopy demonstrates that paxillin-positive focal adhesions (red) and β4 integrin-containing hemidesmosomes (purple) occupy closely related but non-overlapping spaces. In this image, actin stress fibers are green and exclusively associate with focal adhesions and centrally located DAPI-stained nuclei are blue. See the Original Article by Pora and colleagues on page 1876 for the rest of the story.