EDITORIAL
721 Clinical Snippets
722 Editors’ Picks

JID CONNECTOR
723 Research Techniques Made Simple: CRISPR Genetic Screens
ABC Otten and BK Sun

e35 SnapshotDx Quiz: April 2020
JD McBride and M Miteva

e43 Cells to Surgery Quiz: April 2020
P Gurnani, NM Williams, J Long, J Zade, A Rajabi-Estarabadi and K Nouri

MEETING REPORT
J Uitto, Q Lu and G Wang

COMMENTARIES
733 Recent Advances in Understanding Pemphigus and Bullous Pemphigoid
CM Hammers and JR Stanley
741 Kallikrein-6—Regulated Pathways Shed Light on New Potential Targets in Varicella Zoster Virus Infection
SM Caucheteux and V Piguet
743 Cellular Phenotypic Plasticity of Cutaneous Melanoma: A Complex Puzzle
SS Joshi and TJ Hornyak
745 Innate Cancer Immunoediting
T Bald and MJ Smyth

REVIEWS
748 Migration and Function of Memory CD8+ T Cells in Skin
T Hirai, SK Whitley and DH Kaplan
756 Theranostic Advances in Vascular Malformations
V Dekeuleneer, E Seront, A Van Damme, LM Boon and M Vikkula

ORIGINAL ARTICLES
Appendages
764 Defining Transcriptional Signatures of Human Hair Follicle Cell States
R Takahashi, A Grzenda, TF Allison, J Rawnsley, SJ Balin, S Sabri, K Plath and WE Lowry

Cell Biology
774 Kallikrein-Mediated Cytokeratin 10 Degradation Is Required for Varicella Zoster Virus Propagation in Skin
C Tommasi, C Rogerson, DP Depledge, M Jones, AS Naeem, C Venturini, D Frampton, HJ Tutill, B Way, J Breuer and RFL O’Shaughnessy

Clinical Research: Patient Outcomes
785 Interpretability of the Quality Of Life in Hand Eczema Questionnaire
JAF Oosterhaven, RF Ofenloch and MLA Schuttelaar
Genetics/Genetic Disease

791 Somatic Mosaic NLRP3 Mutations and Inflammasome Activation in Late-Onset Chronic Urticaria

799 Exome-Wide Rare Loss-of-Function Variant Enrichment Study of 21,347 Han Chinese Individuals Identifies Four Susceptibility Genes for Psoriasis
C Yang, M Chen, H Huang, X Li, D Qian, X Hong, L Zheng, J Hong, J Hong, Z Zhu, X Zheng, Y Sheng and X Zhang

Immunity

806 Pathogenic CD8⁺ Epidermis-Resident Memory T Cells Displace Dendritic Epidermal T Cells in Allergic Dermatitis

Inflammation

816 IL-36 Promotes Systemic IFN-I Responses in Severe Forms of Psoriasis
M Catapano, M Vergnano, M Romano, SK Mahil, S-E Choon, AD Burden, HS Young, IM Carr, HJ Lachmann, G Lombardi, CH Smith, FD Ciccarelli, JN Barker and F Capon

827 IL-17A—Producing Innate Lymphoid Cells Promote Skin Inflammation by Inducing IL-33—Driven Type 2 Immune Responses
MH Kim, S-P Jin, S Jang, J-Y Choi, DH Chung, DH Lee, KH Kim and HY Kim

838 Homeostatic Function of Dermokine in the Skin Barrier and Inflammation
A Utsunomiya, T Chino, N Utsunomiya, VH Luong, A Tokuriki, T Naganuma, M Arita, K Higashi, K Saito, N Suzuki, A Ohara, M Sugai, K Sugawara, D Tsuruta, N Oyama and M Hasegawa

850 Mechanisms of Itch in Stasis Dermatitis: Significant Role of IL-31 from Macrophages
T Hashimoto, CD Kursewicz, RA Fayne, S Nanda, SM Shah, L Nattkemper, H Yokozeki and G Yosipovitch

Lymphoma/Lymphoproliferative Disorders

860 YKL-40 Promotes Proliferation of Cutaneous T-Cell Lymphoma Tumor Cells through Extracellular Signal—Regulated Kinase Pathways
H Suzuki, H Boki, H Kamijo, R Nakajima, T Oka, N Shishido-Takahashi, H Suga, M Sugaya, S Sato and T Miyagaki

Melanocytes/Melanoma

869 A Distinct Pretreatment Immune Gene Signature in Lentigo Maligna Is Associated with Imiquimod Response
H Halse, F Caramia, CA McLean, M Wang, HX Aw Yeang, SP Keam, A Behren, L Ly, M Haskett, J Cebon, GA McArthur, PJ Neeson and VJ Mar

878 Inhibition of p38/MK2 Signaling Prevents Vascular Invasion of Melanoma
J Wenzina, S Holzner, E Puujalka, PF Cheng, A Forsthuber, K Neumüller, K Schossleitner, BM Lichtenberger, MP Levesque and P Petzelbauer

Tumor Biology

891 Tracing the Equilibrium Phase of Cancer Immunoediting in Epidermal Neoplasms via Longitudinal Intravital Imaging
BJ Kubick, X Fan, A Crouch, R McCarthy and DR Roop
In this issue of the JID, Kubick and colleagues describe a new model that allows real time, in situ monitoring and assessment of cancer immunoediting of keratinocyte pre-cancers in syngeneic immunocompetent mice. The investigators make use of transgenic mice that express mutant K-ras and endogenous fluorescent proteins (dsRED or EGFP) and that lack p53, coupled with in vivo confocal fluorescence microscopy and skin transplantation onto immunocompromised and immunocompetent mice in their model system. See pages 891-900 for additional details.

**LETTERS TO THE EDITOR**

**901 Topical Application of a Mast Cell Stabilizer Improves Impaired Diabetic Wound Healing**
A Tellechea, S Bai, S Dangwal, G Theocharidis, M Nagai, S Koerner, JE Cheong, S Bhasin, T-Y Shih, Y Zheng, W Zhao, C Zhang, X Li, K Kounas, S Panagiotidou, T Theocharides, D Mooney, M Bhasin, L Sun and A Veves

**902 Cells of Myeloid Origin Partly Mediate the Association between Psoriasis Severity and Coronary Plaque**
HL Teague, M Aksentijevich, E Stansky, JI Silverman, NJ Varghese, AK Dey, Y Elnabawi, A Goyal, PK Dagur, MY Chen, JP McCoy, MP Playford, C Hourigan, JM Gelfand and NN Mehta

**915 Staphylococcus aureus Lipoteichoic Acid Initiates a TSLP-Basophil-IL4 Axis in the Skin**
AM Brauweiler, E Goleva and DYM Leung

**918 Inherited Melanoma Risk Variants Associated with Histopathologically Amelanotic Melanoma**
DC Gibbs, I Orlow, S Vernali, HB Powell, PA Kanetsky, L Luo, KJ Busam, A Sharma, A Kricker, BK Armstrong, AE Cust, H Anton-Culver, SB Gruber, RP Gallagher, R Zanetti, S Rosso, L Sacchetto, T Dwyer, DW Ollila, CB Begg, M Berwick and NE Thomas, on behalf of the GEM Study Group

**922 Skin Microbiota Perturbations Are Distinct and Disease Severity—Dependent in Hidradenitis Suppurativa**
HB Naik, J-H Jo, M Paul and HH Kong

**COVER IMAGE**
In this issue of the JID, Kubick and colleagues describe a new model that allows real time, in situ monitoring and assessment of cancer immunoediting of keratinocyte pre-cancers in syngeneic immunocompetent mice. The investigators make use of transgenic mice that express mutant K-ras and endogenous fluorescent proteins (dsRED or EGFP) and that lack p53, coupled with in vivo confocal fluorescence microscopy and skin transplantation onto immunocompromised and immunocompetent mice in their model system. See pages 891-900 for additional details.