EDITORIAL
1623 Clinical Snippets
1624 Editors’ Picks
1625 BJD Editor’s Choice

JID CONNECTOR
1626 Research Techniques Made Simple: Teledermatology in Clinical Trials
CW Laggis, VL Williams, X Yang and CL Kovarik

e83 SnapshotDx Quiz: August 2019
C Goldman, S Nanda and M Miteva

e91 Cells to Surgery Quiz: August 2019
A Rajabi-Estarabadi, M Forouzandeh, J Long, S Choragudi, S Akhtar, T Vazquez, M Zarei and K Nouri

COMMENTARY
1634 Gene Therapy for Skin Fragility Diseases: The New Generation
G Bilousova

ORIGINAL ARTICLES

Aging
1638 Nicotinamide Metabolism Modulates the Proliferation/Differentiation Balance and Senescence of Human Primary Keratinocytes
CL Tan, T Chin, CYR Tan, HA Rovito, LS Quek, JE Oblong and S Bellanger

Barrier Function
1648 ZAG Regulates the Skin Barrier and Immunity in Atopic Dermatitis
JY Noh, J U Shin, JH Kim, SH Kim, B-M Kim, YH Kim, S Park, T-G Kim, K-O Shin, K Park and KH Lee

Carcinogenesis/Tumorigenesis
1658 Epigenetic Regulation of iASPP-p63 Feedback Loop in Cutaneous Squamous Cell Carcinoma
DJ Robinson, A Patel, KJ Purdie, J Wang, H Rizvi, M Hußbauer, P Ostano, B Akgül, G Chiorino, CA Harwood and D Bergamaschi

Clinical Research: Therapeutics
1672 Racial Differences in Perceptions of Psoriasis Therapies: Implications for Racial Disparities in Psoriasis Treatment
J Takeshita, WT Eriksen, VT Raziano, C Bocage, L Hur, RV Shah, JM Gelfand and FK Barg

1680 A Double-Blind, Randomized Trial Shows the Role of Zonal Priming and Direct Topical Application of Epigallocatechin-3-Gallate in the Modulation of Cutaneous Scarring in Human Skin
S Ud-Din, P Foden, M Mazhari, S Al-Habba, M Baguneid, S Bulfone-Paus, D McGeorge and A Bayat

1691 Effective Tyrosinase Inhibition by Thiamidol Results in Significant Improvement of Mild to Moderate Melasma
C Arrowitz, AM Schoelermann, T Mann, LI Jiang, T Weber and L Kolbe
Gene Therapy
1699 Gene Editing—Mediated Disruption of Epidermolytic Ichthyosis—Associated KRT10 Alleles Restores Filament Stability in Keratinocytes

1711 Efficient Gene Reframing Therapy for Recessive Dystrophic Epidermolysis Bullosa with CRISPR/Cas9
S Takashima, S Shinkuma, Y Fujita, T Nomura, H Ujiie, K Natsuga, H Iwata, H Nakamura, A Vorobyev, R Abe and H Shimizu

Inflammation
1722 Increased Type 2 Innate Lymphoid Cells in Patients with Drug Reaction with Eosinophilia and Systemic Symptoms Syndrome
Y-G Tsai, J-H Liou, S-I Hung, C-B Chen, T-M Chiu, C-W Wang and W-H Chung

1732 IL-17E (IL-25) Enhances Innate Immune Responses during Skin Inflammation

1743 Human Keratinocytes Use Sphingosine 1-Phosphate and its Receptors to Communicate Staphylococcus aureus Invasion and Activate Host Defense
S Igawa, JE Choi, Z Wang, Y-L Chang, C-C Wu, T Werbel, A Ishida-Yamamoto and A Di Nardo

1753 Staphylococcus aureus Lipoteichoic Acid Damages the Skin Barrier through an IL-1—Mediated Pathway
AM Brauweiler, E Goleva and DYM Leung

Melanocytes/Melanoma
1762 Molecular Genomic Profiling of Melanocytic Nevi
AJ Colebatch, P Ferguson, F Newell, SH Kazakoff, T Witkowski, A Dobrovic, PA Johansson, RPM Saw, JR Stretch, GA McArthur, GV Long, JF Thompson, JV Pearson, GJ Mann, NK Hayward, N Waddell, RA Scolyer and JS Wilmott

1769 Dynamic Evolution of Clonal Composition and Neoantigen Landscape in Recurrent Metastatic Melanoma with a Rare Combination of Driver Mutations
G Davidson, S Coassolo, A Kieny, M Ennen, E Pencrach, GG Malouf, D Lipsker and I Davidson

Microbiome/Microbiology
1779 Inverse Association Between the Skin and Oral Microbiota in Atopic Dermatitis
W Li, X Xu, H Wen, Z Wang, C Ding, X Liu, Y Gao, H Su, J Zhang, Y Han, Y Xia, X Wang, H Gu and X Yao

Tumor Biology
1788 The NLRP1 Inflammasome Pathway Is Silenced in Cutaneous Squamous Cell Carcinoma
J Sand, G Fenini, S Grossi, P Hennig, M Di Filippo, M Levesque, S Werner, LE French and H-D Beer

1798 Fibulin-3 Has Anti-Tumorigenic Activities in Cutaneous Squamous Cell Carcinoma
X Wang, Q Zhang, C Li, X Qu, P Yang, J Jia, L Song, W Fan, H Jing and Y Zheng
Wound Healing

1809 SOX2 Epidermal Overexpression Promotes Cutaneous Wound Healing via Activation of EGFR/MEK/ERK Signaling Mediated by EGFR Ligands
A Uchiyama, S Nayak, R Graf, M Cross, K Hasneen, JS Gutkind, SR Brooks and MI Morasso

LETTERS TO THE EDITOR

1821 Chronic UVA1 Irradiation of Human Dermal Fibroblasts: Persistence of DNA Damage and Validation of a Cell Cultured—Based Model of Photoaging
A Montoni, KM George, J Soeur, C Tran, L Marrot and PJ Rochette

1824 Expression Level of Prostaglandin D2 Receptor 2 Regulates Hair Regression
YR Kang, S-S Bak, MK Kim, HW Joo, NM Mali, MJ Shin, MK Kim, JC Kim, JW Oh and YK Sung

1828 Temporal Changes in Size and Dermoscopic Patterns of New and Existing Nevi in Adolescents
H Xu, X Wu, E Chung, M Fonseca, SW Dusza, A Scope, AC Geller, M Bishop, AA Marghoob, AC Halpern and MA Marchetti

1830 Immunogenicity of Guselkumab Is Not Clinically Relevant in Patients with Moderate-to-Severe Plaque Psoriasis
Y Zhu, JC Marini, M Song, B Randazzo, Y-K Shen, S Li and H Zhou

1834 Amphiregulin from Basophils Amplifies Basophil-Mediated Chronic Skin Inflammation
T Hashimoto, T Satoh, H Karasuyama and H Yokozeki

1837 Differential Hairless Mouse Strain-Specific Susceptibility to Skin Cancer and Sunburn
AY Voigt, M Michaud, KY Tsai, J Oh and JP Sundberg

COVER IMAGE
A recurrent frameshift mutation in COL7A1 was corrected in primary human RDEB fibroblasts using CRISPR/Cas9 based methodology. Injection of gene corrected fibroblasts into murine COL7 knockout mouse skin that had been grafted onto immunocompromised mice reduced epidermal-dermal cleft formation (top panels) in conjunction with deposition of human COL7 near the basement membrane zone as compared to uninjected skin (remaining panels). Please see the Original Article by Takashima and coworkers on page 1711 for details.