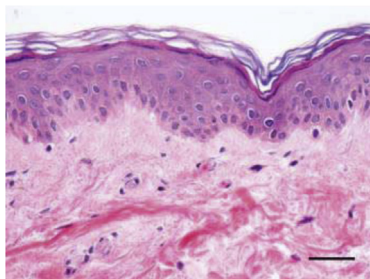




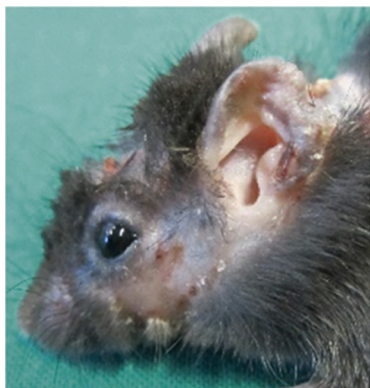
Online-only content can be accessed on the JID Connector at [www.jidonline.org/content/connector](http://www.jidonline.org/content/connector)



Page 282



Page 291



Page 301

## EDITORIAL

- 243 **Clinical Snippets**
- 244 **Editors' Picks**
- 245 ***BJD* Editor's Choice**

## ONLINE ONLY

- e13 **Research Techniques Made Simple: Pharmacoepidemiology Research Methods in Dermatology**
- e19 **SnapshotDx Quiz: February 2018**
- e21 **Cells to Surgery Quiz: February 2018**

## COMMENTARIES

- 246 **Increasing the Complement of Therapeutic Options in Bullous Pemphigoid**  
CJ Kushner and AS Payne
- 248 **UV-B-Induced Erythema in Human Skin: The Circadian Clock Is Ticking**  
S Sarkar and S Gaddameedhi
- 251 ***Propionibacterium acnes* Strains Differentially Regulate the Fate of Th17 Responses in the Skin**  
E Contassot and LE French
- 254 **Clinical, Epidemiological, and Molecular Heterogeneity in Acral Melanoma**  
C Carrera and JA Puig-Butille

## ORIGINAL ARTICLES

### Appendages

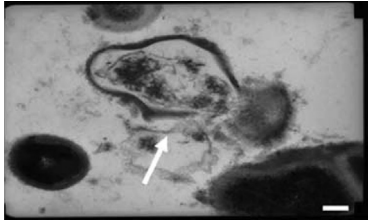
- 256 **NF- $\kappa$ B Participates in Mouse Hair Cycle Control and Plays Distinct Roles in the Various Pelage Hair Follicle Types**  
K Krieger, SE Millar, N Mikuda, I Krahn, JE Kloepper, M Bertolini, C Scheidereit, R Paus and R Schmidt-Ullrich

### Clinical Research

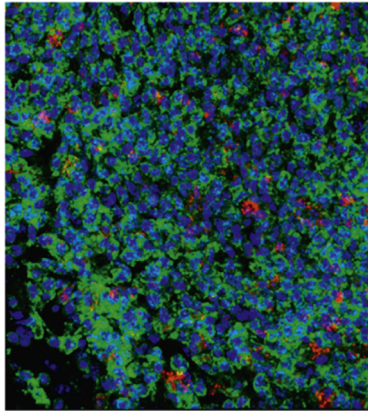
- 265 **Epidemiology of Eczema Herpeticum in Hospitalized U.S. Children: Analysis of a Nationwide Cohort**  
DY Hsu, K Shinkai and JI Silverberg
- 273 **Reduction of Inflammatory and Cardiovascular Proteins in the Blood of Patients with Psoriasis: Differential Responses between Tofacitinib and Etanercept after 4 Weeks of Treatment**  
J Kim, L Tomalin, J Lee, LJ Fitz, G Berstein, J Correa-da Rosa, S Garcet, MA Lowes, H Valdez, R Wolk, M Suarez-Farinas and JG Krueger
- 282 **RNA Aptamer Delivery through Intact Human Skin**  
JD Lenn, J Neil, C Donahue, K Demock, CV Tibbetts, J Cote-Sierra, SH Smith, D Rubenstein, J-P Therrien, PS Pendergrast, J Killough, MB Brown and AC Williams

### Genetics

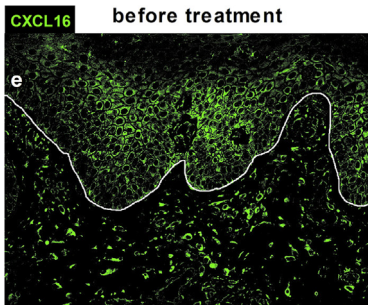
- 291 **ENPP1 Mutation Causes Recessive Cole Disease by Altering Melanogenesis**  
M Chourabi, MS Liew, S Lim, D H'mida-Ben Brahim, L Boussofara, L Dai, PM Wong, JN Foo, B Sriha, KS Robinson, S Denil, JEA Common, O Mamaï, Y Ben Khalifa, M Bollen, J Liu, M Denguezli, C Bonnard, A Saad and B Reversade



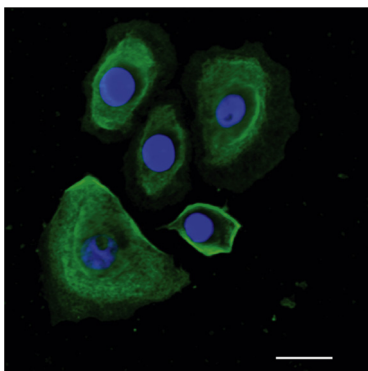
Page 316



Page 325



Page 344



Page 365

Immunology/Infection

**301 Calcitriol Treatment Ameliorates Inflammation and Blistering in Mouse Models of Epidermolysis Bullosa Acquisita**

S Tukaj, K Bieber, M Witte, S Ghorbanalipoor, E Schmidt, D Zillikens, RJ Ludwig and M Kasperkiewicz

**310 Protection from Psoriasis-Related Thrombosis after Inhibition of IL-23 or IL-17A**

Y Li, JB Golden, MI Camhi, X Zhang, Y Fritz, D Diaconu, TL Ivanco, DI Simon, K Kikly, TS McCormick, Y Wang and NL Ward

**316 Phenotype and Antimicrobial Activity of Th17 Cells Induced by *Propionibacterium acnes* Strains Associated with Healthy and Acne Skin**

GW Agak, S Kao, K Ouyang, M Qin, D Moon, A Butt and J Kim

JID Open

**325 Regulatory T Cells Mediate Local Immunosuppression in Lymphedema**

GD García Nores, CL Ly, IL Savetsky, RP Kataru, S Ghanta, GE Hesper, SG Rockson and BJ Mehrara

**336 The Microevolution and Epidemiology of *Staphylococcus aureus* Colonization during Atopic Eczema Disease Flare**

CP Harkins, KA Pettigrew, K Oravcová, J Gardner, RMR Hearn, D Rice, AE Mather, J Parkhill, SJ Brown, CM Proby and MTG Holden

JID Open

**344 Toll-Like Receptor-Mediated Upregulation of CXCL16 in Psoriasis Orchestrates Neutrophil Activation**

S Steffen, S Abraham, M Herbig, F Schmidt, K Blau, S Meisterfeld, S Beissert, J Guck and C Günther

**355 Vitiligo Skin Is Imprinted with Resident Memory CD8 T Cells Expressing CXCR3**

K Boniface, C Jacquemin, A-S Darrigade, B Dessarthe, C Martins, N Boukhedouni, C Vernisse, A Grasseau, D Thiolat, J Rambert, F Lucchese, A Bertolotti, K Ezzedine, A Taieb and J Seneschal

Keratinocytes/Epidermis

**365 Activation of TRPV3 Regulates Inflammatory Actions of Human Epidermal Keratinocytes**

AG Szöllösi, N Vasas, Á Angyal, K Kistamás, PP Nánási, J Mihály, G Béke, E Herczeg-Lisztes, A Szegedi, N Kawada, T Yanagida, T Mori, L Kemény and T Bíró

**375 CD100–Plexin-B2 Promotes the Inflammation in Psoriasis by Activating NF-κB and the Inflammasome in Keratinocytes**

C Zhang, C Xiao, E Dang, J Cao, Z Zhu, M Fu, X Yao, Y Liu, B Jin, G Wang and W Li

Melanocytes/Melanoma

**384 Distinct Patterns of Acral Melanoma Based on Site and Relative Sun Exposure**

AM Haugh, B Zhang, VL Quan, EM Garfield, JA Bublely, E Kudalkar, AE Verzi, K Walton, T VandenBoom, EA Merkel, CY Lee, T Tan, MC Isales, BY Kong, AT Wenzel, CG Bunick, J Choi, J Sosman and P Gerami

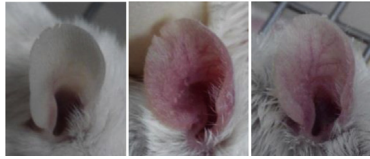
**394 Vitiligo Skin: Exploring the Dermal Compartment**

D Kovacs, E Bastonini, M Ottaviani, C Cota, E Migliano, ML Dell'Anna and M Picardo

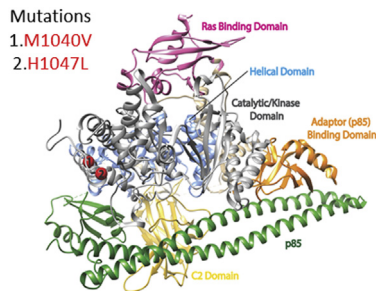
Photobiology

**405 Persistence and Tolerance of DNA Damage Induced by Chronic UVB Irradiation of the Human Genome**

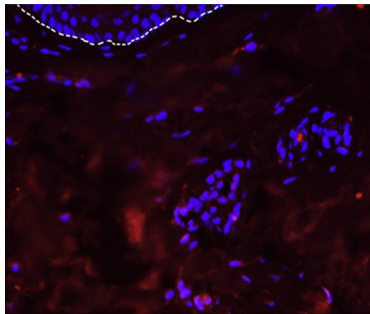
R Bérubé, M-C Drigeard Desgarnier, T Douki, A Lechasseur and PJ Rochette



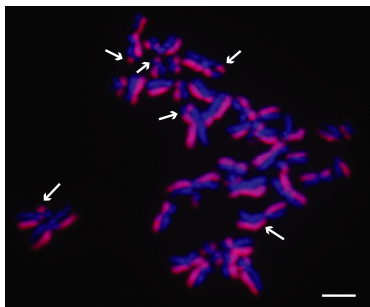
Page 375



Page 384



Page 394



Page 405

Wound Healing

- 413 Comparative Degradomics of Porcine and Human Wound Exudates Unravels Biomarker Candidates for Assessment of Wound Healing Progression in Trauma Patients**  
F Sabino, FE Egli, S Savickas, J Holstein, D Kaspar, M Rollmann, JN Kizhakkepathu, T Pohlemann, H Smola and U auf dem Keller
- 423 Extracellular and Non-Chaperone Function of Heat Shock Protein – 90α Is Required for Skin Wound Healing**  
A Bhatia, K O'Brien, J Guo, V Lincoln, C Kajiwara, M Chen, DT Woodley, H Udono and W Li
- 434 Topical Reformulation of Valsartan for Treatment of Chronic Diabetic Wounds**  
P Abadir, S Hosseini, M Faghieh, A Ansari, F Lay, B Smith, A Beselman, D Vuong, A Berger, J Tian, D Rini, K Keenahan, J Budman, T Inagami, N Fedarko, G Marti, J Harmon and J Walston
- 444 Opposing Roles of Epidermal Integrins α3β1 and α9β1 in Regulation of mTLD/BMP-1–Mediated Laminin-γ2 Processing during Wound Healing**  
WM Longmate, SP Lyons, L DeFreest, L Van De Water and CM DiPersio

LETTERS TO THE EDITOR

- 452 Allergen-Specific Low Zone Tolerance Is Independent of MRP8/14-, TLR4-, TLR7-, and TLR9-Mediated Immune Processes**  
T Schmidt, N Lorenz, VK Raker, MI Schmidgen, K Mahnke, A Enk, J Roth and K Steinbrink
- 455 How Effective Is Tacrolimus in the Imiquimod-Induced Mouse Model of Psoriasis?**  
H Pischon, M Radbruch, A Ostrowski, F Schumacher, S Hönzke, B Kleuser, S Hedtrich, JW Fluhr, AD Gruber and L Mundhenk
- 458 The Anti-C1s Antibody TNT003 Prevents Complement Activation in the Skin Induced by Bullous Pemphigoid Autoantibodies**  
A Kasprick, MM Holtsche, EL Rose, S Hussain, E Schmidt, F Petersen, S Panicker and RJ Ludwig JID Open
- 461 Mas-Related G-Protein Coupled Receptors and Cowhage-Induced Itch**  
VB Reddy, E Azimi, L Chu and EA Lerner
- 464 Circadian Time Effects on NB-UVB–Induced Erythema in Human Skin In Vivo**  
V Nikkola, M Grönroos, R Huotari-Orava, H Kautiainen, L Ylianttila, T Karppinen, T Partonen and E Snellman
- 467 Xeroderma Pigmentosum Diagnosis Using a Flow Cytometry-Based Nucleotide Excision Repair Assay**  
E Nakano, S Takeuchi, R Ono, M Tsujimoto, T Masaki and C Nishigori JID Open
- 471 ERRATA**

COVER IMAGE

Haugh and coworkers characterized acral melanocytic melanomas on dorsal, volar, and subungual/interdigital skin using next generation sequencing of a 50 gene panel. They detected mutation heterogeneity that may reflect differential UV exposure. See page 384 for details.

