pemphigus foliaceus, pemphigus erythematosus and pemphigus vulgaris, in human skin, regional variation in the expression of, 159
Antioxidant enzymes in human keratinocytes, activities of, 255
Atopic dermatitis
abnormalities in epidermal lipid metabolism, 10
ceramides in stratum corneum of, 523
expansion of skin-infiltrating lymphocytes by interleukin-4, 370
interleukin 4 and interleukin 2, 468
Autoantibodies, human, and calcium-sensitive epitope of pemphigus foliaceae antigens, 144
Autoimmune disease, role of genetics in, 865
The Autologous Mixed Epidermal Cell-T Lymphocyte Reaction is Everted in Psoriasis: A Crucial Role for Epidermal HLA-DR*/CD1a* Antigen-Presenting Cells, Prens EP, Benne K, van Joost T, Benner R, 880
Autoradiographic Localization of Endothelin-1 Binding Sites in Porcine Skin, rapid communication, Zhao YD, Springall DR, Wharton J, Polak JM, 152
Autoreactive Cells in Alopecia Areata, Hordinsky MK, Kalish RS, 935
The Award of the Fothergillian Gold Medal to Robert Willan in 1790 (A Bicentennial Not to Be Forgotten), letter, Holubar K, 292

B

B-locus protein, 500
Bafilomycin-sensitive proton translocating ATPase in human epidermal Langerhans cells, 735
Barrier characteristics of the skin, effects of UVA (320–400 nm) on, 758
Barrier Function of Human Keratinocyte Cultures Grown at the Air-Liquid Interface, Mak VHW, Cumpstone MB, Kennedy AH, Harmon CS, Guy RH, Potts RO, 323
Basement membrane components, immunohistological alterations in squamous cell carcinoma, 250
proteins and interstitial collagens in dermal papilla of human hair follicles, 93
Benzoyl peroxide, 490
Beta-Adrenergic Stimulation Induces Intracellular Ca++ Increase in Human Epidermal Keratinocytes, Koizumi H, Yasui C, Fukaya T, Ohkawara A, Ueda T, 234
BHA (butylated hydroxyanisole), 289
Biochemical characterization of topical retinoic acid-treated human skin, 699
Biochemical Diagnosis of Systemic Mast Cell Disorders, Roberts LJ II, Oates JA, 195
Bone marrow pathology in adult and pediatric systemic mast cell disease, 475
Borage oil (n-6), 98
Bradynkinin, studies of inositol phosphate formation in the human squamous cell carcinoma line SCC-12 F, 116
Bullous pemphigoid antigen, 527, 908, 993
detection of cross-reactive idiotypes in serum of patients with, 809
Butylated hydroxyanisole, effects of on ornithine decarboxylase activity, 289

C

C-locus protein, 500
C57BL/6j-Ay/a hair bulb melanocytes, effects of exogenous MSH on the transformation from phaeo- to eumelanogenesis within, 78
Caffeine, transcutaneous chemical collection of, 186

Calcium
induction of transcription of the human loricrin gene, in vitro, by, 414
ionophore A23187, studies with, in inositol phosphate formation in the human squamous cell carcinoma line SCC-12 F, 116
release from murine keratinocytes, agonist/inositol triphosphate-induced, 134

The Calcium-Sensitive Epitope of Pemphigus Foliaceus Antigen Is Present on a Murine Tryptic Fragment and Constitutes a Major Antigenic Region for Human Autotransplants, Labib RS, Rock B, Robledo MA, Anhalt GJ, 144

Calcycin, 383
Canine neutrophil aggregation, 260
Carbipoda and L-dopa, use of, in metastatic malignant melanoma, 85
Carcinoma, squamous cell, 104, 116, 250, 771
CD4+ positive T-cell line, clonal, 31
CD11a, functional role of in the activation of alloreactive T-cells, 148
CD18, functional role of in the activation of alloreactive T-cells, 148
cDNA cloning, 908
for androgen-regulated mRNA, characterization of, 926
isolation of, 285, 926
Cell density induction of transcription of the human loricrin gene, in vitro, 414
Cell wall glycopolypeptide (mannan) immunohistobrery, 657
Cellular characterization of topical retinoic acid-treated human skin, 699

Characteristics of Autoimmune Disease, Rose NR, 875

Characterization of Cutaneous Infiltrates in MRL/lpr Mice Monitored from Onset to the Full Development of Lupus Erythematosus-Like Skin Lesions, Kanauchi H, Furukawa F, Imamura S, 478

Characterization of Decay-Accelerating Factor (DAF) in Human Skin, Sayama K, Shirairi S, Shirakata Y, Kobayashi Y, Miki Y, 61

Characterization of 5(a)-Reductase in Cultured Human Dermal Papilla Cells from Beard and Occipital Scalp Hair, Itami S, Kurata S, Sonoda T, Takayasu S, 57

Characterization of Human Sebaceous Cells In Vitro, Doran TI, Baff R, Jacobs P, Pacia E, 341

Characterization of Pemphigus Foliaceus Antigen from Human Epidermis, Calvanico NJ, Martins CR, Diaz LA, 815


Characterization of 230-KD Bullous Pemphigoid Antigen Associated with the Detergent-Insoluble Fraction of Cultured Keratinocytes, Thacher SM, Heff LI, 139

Class II (f4) antigens, keratinocytes with, 950

Classification and Diagnosis of Mastocytosis: Current Status, Metcalfe DD, 25


Collagen
gene expression, 473
matrix cultures, 815
production and corresponding procollagen mRNA levels in human dermal fibroblasts, 243
RNA transcription, types I and III, 473
secretion of a unique, 267
synthesis, in vitro, 975

Collagen Metabolism in Ultraviolet Irradiated Hairless Mouse Skin, letter, Pourtainier A, 994

Collagen VII
enhancement of by epithelial-mesenchymal interactions, in vitro, 803
lack of, in sheep with recessive dystrophic epidermolysis bullosa, 452
overexpression by cylindroma, 729
Collagen-induced motility, inhibition of, 724
Collagens, interstitial, and basement membrane proteins in dermal papillae of human hair follicles, 93


Comparison of Effects of Transforming Growth Factor-Beta and Cyclosporin A on Antigen-Presenting Cells of Blood and Epidermis, DeMiden A, Taylor JR, Grammer SF, Streilein JW, 401

Connective tissue mast cell granule contents, human, extracellular localization of, 857

Contact dermatitis
allergic, 695
irritant, 505, 695

t-Corticosteroids, regulation of epidermal cell interleukin-6 production by, 484

Cross-Antigenicity Between the Scabies Mite, Sarcoptes scabiei, and the House Dust Mite, Dermatophagoides pteronyssinus, Arlian LG, Vyszenski-Moher DAL, Ahmed SG, Estes SA, 349

Cross-Linked Components of the Cuticle of the Coptex of Hair, Kvedar JC, Daryanani HA, Baden HP, 845

Cross-reactive idotypes, detection in patients with bullous pemphigoid, 809

Cutaneous (g)/(d) t-cell lymphoma, primary, 718
inflammation, experimental, 763
microbial symbionts, 439
t-cell lymphoma, molecular diagnosis of, 299
t-cell-rich pseudolymphomas, 799
vascular responses to histamine and neuropeptides in in Raynaud’s phenomenon, digital, 314

Cutaneous-type ATL, 196

Cyclosporin A
antigen-presenting blood and epidermis cells, effects on, 401
cytotoxic P-450III, metabolism by, 827
human Langerhans cells, in vitro, 408
ICAM-1 suppression, 362
ornithine decarboxylase activity, effects on, 871
psoriatic plaques, 362

Cyclosporin A Inhibits the Antigen-Presenting Functions of Freshly Isolated Human Langerhans Cells In Vitro, Dupuy P, Bagot M, Michel L, Descourt B, Dubertret L, 408


Cyclosporine A Metabolism by Cytochrome P-450III Occurs in Microsomes from Rat Liver but Not from Normal Epidermis or Psoriatic Lesions, Duell E, Fischer V, Fisher G, Astron A, Voorhees J, 827
Cyldromeda Overexpresses Collagen VII, the Major Anchoring Filtr Pro- tein, Bruckner-Tuderman L, Pfaltz M, Schnyder UW, 729 Cytochrome P-450III, cyclosporine A metabolism by, 827

Cytokines, inhibition of induction of lta antigen on Langerhans cells by, 832

D

The DEBR Rat Model for Alopecia Areata, Oliver RF, Jahoda CAB, Horne KA, Michie HJ, Poulton L, Johnson BE, 975

Decay-accelerating factor (DAF) in human skin, characterization of, 61


Demonstration of Initial Lymphatics in Excised Human Skin Using an Extension Technique and Dye Injection, Lubach D, Nissen S, Neukam D, 754

Dendritic cells in draining lymph nodes, 355

Dermal papilla, 673

Dermal-Epidermal Interactions and Hair Growth, Oliver RF, 76S

Dermatitis
atopic


ceramides in stratum corneum of, 523
reduced neutrophil LTB4, release, 16
responsiveness of peripheral blood mononuclear cells to interleukin 4 and interleukin 2, 468

contact
allergic, 695
irritant, 505, 695

hepetiformis
IgA class antibodies in, 155
IgA-binding structures in, 88

Dermatophagoides pteronyssinus, house dust mite, 349

Dermolytic mechanobullous disease, 452
Detection of Cross-Reactive Idiotypes in the Serum of Patients with Bullous Pemphigoid, Rico MJ, White LDS, Bartow S, Hall RP, 809
Detection of Photorepair of UV-Induced Thymine Dimers in Human Epidermis by Immunofluorescence Microscopy, Rozza L, De Grujir FR, Henegouwen JJB, Guikers K, Van Weelden H, Van Der Schans GP, Baan RA, 903
Dietary Supplementation with Ethyl Ester Concentrates of Fish Oil (n-3) and Borage Oil (n-6) Polysaturated Fatty Acids Induces Epidermal Generation of Local Putative Anti-Inflammatory Metabolites, Miller CC, Tang W, Ziboh VA, Fletcher MP, 98
Differential Effects of Cyclosporine A on Ornithine Decarboxylase Activity Induced by Ultraviolet-B and PUVA in Mouse Skin, Kono T, Mizuno T, Taniguchi S, Ishii M, Yoshida H, Matsui-Yuyasa I, Otani S, Hamada T, 871
Differential Expression and Activity of Melanogenesis-Related Proteins During Induced Hair Growth in Mice, Slominski A, Paus R, Costantino R, 172
Digital Cutaneous Vascular Responses to Histamine and Neuropeptides in Raynaud’s Phenomenon, Bunker CB, Foreman JC, Dowd PM, 314
Diminished Antigen-Presenting Function by Freshly Isolated Epidermal Langerhans Cells: Possible Explained Based on Methodology, letter, Simon JC, Bergstresser PR, Cruz PD Jr, 995
Disseminated pagetoid reticulosis, 218
Distribution of Proteoglycans During the Hair Growth Cycle in Human Skin, Westgate GE, Messenger AG, Watson LP, Gibson WT, 191
DNA Damage in Cultured Human Skin Fibroblasts Exposed to Excimer Laser Radiation, Rimoldi D, Miller AC, Freeman SE, Samid D, 898
DNA sequences, upstream regulatory, of human epidermal keratin genes, 162
Dominant dystrophic epidermolysis bullosa, 168
Dopac-induced effects on melanoma cells, mediated by hydrogen peroxide, 224
Drug-Induced Pemphigus: Autoantibodies Directed Against the Pemphigus Antigen Complexes Are Present in Penicillamine and Captopril-Induced Pemphigus, rapid communication, Korman NJ, Eyre RW, Zone J, Stanley JR, 273
Dye injection and extension technique in demonstration of initial lymphatics in excised human skin, 754
Dystrophic epidermolysis bullosa, 168
Epidermolysis bullosa dominant, Pasini and Cockayne-Touraine forms of, recessive, in sheep, 452
Effect of Retinoic Acid on Platelet-Derived Growth Factor (PDGF) Bioactivity and Type-B PDGF Receptors in Normal and Psoriatic Human Fibroblasts, Raynaud F, Gerbaud P, Gu XF, Donnadieu M, Evin-Brion D, 111
Effect of Sodium Lauryl Sulfate-Induced Skin Irritation On In Vitro Percutaneous Absorption of Four Drugs, Wilhelm K-P, Surber C, Maibaum HI, 963
Effets of Butylated Hydroxyanisole on Ornithine Decarboxylase Activity and Its Gene Expression Induced by Phorbol Ester Tumor Promoter, rapid communication, Taniguchi S, Kono T, Mizuno N, Ishii M, Matsui-Yuyasa I, Otani S, Hamada T, 289
Effects of Exogenous MSH on the Transformation from Phaeo- to Eumelanogenesis Within C57BL/6j-A^t/ha Hairbulb Melanocytes, Granholm NH, Van Amerongen AW, 78
Effects of In Vitro UVA Irradiation and PUVA Treatment on Membrane Fatty Acids and Activities of Antioxidant Enzymes in Human Keratinocytes, Punnonen K, Jansén CT, Puntala A, Ahotupa M, 255
Effects of Oxygen Tension on the Growth and Pigmentation of Normal Human Melanocytes, Horikoshi T, Balin AK, Carter DM, 841
Effects of 13-Cis-Retinoic Acid, All-Trans-Retinoic Acid, and Acitretin on the Proliferation, Lipid Synthesis and Keratin Expression of Cultured Human Sebocytes In Vitro, Zouboulis CC, Korge B, Akamatsu H, Xia L, Schiller S, Gollnick H, Orfanos CE, 792
Effects of UVA (320–400 nm) on Barrier Characteristics of the Skin, McAuliffe DJ, Blank IH, 758
Eicosanoid Levels in Human Skin, letter, Hansen HS, 798
8-Methoxypsoralen Acts on Lymphocyte Membranes in the Dark, letter, Gast W, Haustein U-F, 293
8-MOP-DNA Photoadducts in Keratinocytes, 942
ELAM-1 experimental cutaneous inflammation, 763 in alopecia areata, expression of, 915
Elastic-microfibrillar bundles, IgA-binding structures in dermatitis herpetiformis skin are independent of, 88
Electron microscopy, 682
Endothelial cells, presence in psoriatic dermis, 333
Endothelin-1 binding sites, autoradiographic localization of, in porcin skin, 20
The Endothelium in the Margin Zone of Spreading Psoriatic Plaques, letter, van de Kerkhof PCM, Rulo HFC, 529
Eosinophilia-myalgia syndrome, expression of genes for transforming TGF-(b), and Type VI collagen in associated diffuse fasciitis, 20
Epidermal cell-T lymphocyte reaction in psoriasis, 880
formation of local putative anti-inflammatory metabolites, induction of growth factor (EGF), synergistic effects on keratinocyte proliferation, 419
HDL-DR CD1a antigen-presenting cells, 880
TX4keratin genes, upstream regulatory DNA sequences of four human, 162
lipid metabolism in patients with atopic dermatitis, abnormalities in, 10 vascular responses to histamine and neuropeptides in Langerhans cells, diminished antigen-presenting function by, 995
Epidermal Langerhans Cells in Myelodysplastic Syndromes are Abnormal, Sepp N, Zwierzina H, Smolle J, Schmalz F, Fritsch P, Schuler G, 932
Epidermolysis bullosa dominant dystrophic, recessive, in sheep, 452
Epidermolysis bullosa recessive, 502
Epithelial-Mesenchymal Interactions Enhance Expression of Collagen VII In Vitro, König A, Bruckner-Tuderman L, 803
Epithelium, human junctional, 708
Epitope, calcium-sensitive, 144
Epitope Mapping of the Laminin Molecule in Murine Skin Basement Membrane Zone: Demonstration of Spatial Differences in Ultrastructural Localization, Horiguchi Y, Abrahamsson DR, Fine J-D, 309
Erythema elicitation in skin sensitized by photobound 8-methoxypsoralen, 799 ultraviolet B, 763
Erythel ester concentrates of fish oil (n-3) and borage oil (n-6) polysaturated fatty acids, dietary supplementation with, to induce epithelial generation of local putative anti-inflammatory metabolites, 98
Eumelanogenesis, transformation from phaeomelanogenesis within C57BL/6j-A^t/ha hairbulb melanocytes, 78
Evidence for (g)-Melanocyte Stimulating Hormone Containing Nerves and Neuropil Granulocytes in the Human Skin by Indirect Immuno-fluorescence, Johannson O, Ljungberg A, Han S-W, Vaalasti A, 852
Examination of HTLV-I Integration in the Skin Lesions of Various Types of Adult T-Cell Leukemia (ATL): Independence of Cutaneous-Type ATL Confirmed by Southern Blot Analysis, Dosaka N, Tanaka T, Miyachi Y, Imamura S,akahizu A, 196
Excimer laser radiation, 898
Exogenous MSH, effects on transformation from phaeo- to eumelanogenesis within C57BL/6j-A^t/ha hairbulb melanocytes, 78
Expression of Basement Membrane Proteins and Intestinal Collagens in Dermal Papillae of Human Hair Follicles, Messenger AG, Elliott K, Temple A, Randall VA, 93
Expression of Calcinexin, a Calcium-Binding Protein, in the Keratogenous Region of Growing Hair Follicles, Wood L, Carter D, Mills M, Hatzenbuhler N, Vogeli G, 383
The Expression of Endothelial Leukocyte Adhesion Molecule 1 (ELAM-1), Intercellular Adhesion Molecule 1 (ICAM-1), and Vascular Cell Adhesion Molecule 1 (VCAM-1) in Experimental Cutaneous Inflammation: A Comparison of Ultraviolet B Erythema and Delayed Hy-
Hair Growth Regulation: A Molecular Biologic Approach, Bertolino AP, 825


Hematologic Aspects of Mastocytosis: I: Bone Marrow Pathology in Adult and Pediatric Systemic Mast Cell Disease, Parker RI, 475

Hematologic Aspects of Mastocytosis: II: Management of Hematologic Disorders in Association with Systemic Mast Cell Disease, Parker RI, 525

Hematologic disorders in association with systemic mast cell disease, 52S


Histamine in Raynaud’s phenomenon, responses to, 314

HIV-1 in epidermal Langerhans cells, detection of, 979

HIV/AIDS and CD4 T cells, antigen-presenting cells, epidermal, 880

House dust mite, dermatophagoides pteronyssinus, 349

HTLV-1, 196

Human cells, analysis of transcriptional regulation in, 742

Human Epidermal Langerhans Cells Express Integrins of the β1 Subfamily, rapid communication, Le Varlet B, Dezutter-Dambuyant C, Stauquet M, Delorme P, Schmitt D, 518

Human epidermis, thymine dimers in, 903


Human skin fibroblasts, cultured, DNA damage in, 898
topical retinoic acid-treated cellular, immunologic and biochemical characterization of, 699

Hydrogen Peroxide as a Mediator of Dopac-Induced Effects on Melanoma Cells, Karg E, Rosengren E, Rorsman H, 224

Hydrophilic penetrants, 921

Hyperplasia, epidermal, in relation to lovastatin, 201

Hyperproliferative skin epithelium, expression of TGF-(α) in, 328

Hypersensitivity contact, inhibition of by 12-O-tetradecanoylphorbol-13-acetate, 864 delayed, compared with ultraviolet B erythema, 763

I

Ia antigen, inhibition of induction of, on Langerhans cells, 832

ICAM-1 aberrant, 91S

CD11a and CD18, adhesion molecules on human epidermal Langerhans cells, functional role of in the activation of alloreactive T-cells, 148
expression of in experimental cutaneous inflammation, 763
suppression of by cyclosporin A, 362
Identification of a Melanoma Progression Antigen as Integrin VLA-2, rapid communication, Klein CE, Steinmann T, Kaufmann D, Weber L, Bröcker E-B, 281

IGA anti-jejunum antibodies, 228


IgA-Binding Structures in Dermatitis Herpetiformis Skin Are Independent of Elastic-Microfibrillar Bundles, Lightner VA, Sakai LY, Hall RP, 88

II-2–activated peripheral blood lymphocytes, lysis of keratinocytes by, 127

Immunocytotoxic study of neoproteptides in psoriasis, 435

Immunoelectronmicroscopy, indirect, 228

Immunofluorescence, indirect, 852

Immunoglobulin gene rearrangements in cutaneous t-cell –rich pseudolymphomas, 79S

Immunoglobulins Coat Microorganisms of Skin Surface: A Comparative Immunohistochemical and Ultrastructural Study of Cutaneous and Oral Microbial Symbionts, Metze D, Kersten A, Jurecka W, Gebhart W, 439
Interleukin-1(a) in Normal Skin, *letter*, Didierjean L, Groves RW, Saurat J-H, 294

Interleukin-1-Like Activity in Normal Rat Skin after In Vivo Treatment with Interferon-Gamma, Skoglund C, Söder O, Scheynius A, 937

Interleukin-4 Promotes the Expansion of Skin-Infiltrating Lymphocytes from Atopic Dermatitis In Vitro, Reinhold U, Kukel S, Goeden B, Neumann U, Wehrmann W, Kreyel H-W, 370

Interleukin-6 production, epidermal cell, regulation of by UV light and corticosteroids, 484

Interleukin-8, recombinant human, 260

Interleukins 1(a) and 6 and Tumor Necrosis Factor-α Are Paracrine Inhibitors of Human Melanocyte Proliferation and Melanogenesis, Swope VB, Abdel-Malek Z, Kassem LM, Nordlund JJ, 180

Intestinal collagen and basement membrane proteins in dermal papillae of human hair follicles, 93

Intracellular Ca++ in human epidermal keratinocytes, increase in, 234

Intradermal injection of neutrophil attractant/activation protein-1, 690

Intracellular Rodlets and Associated True Intracellular Bodies in Normal Cultured Human Dermal Papilla Cells, Tobin DJ, Mandir N, Fenton DA, Dover R, 388


Isolation of cDNA for Human Epidermal Type I Transglutaminase, *rapid communication*, Polakowska R, Herting E, Goldsmith LA, 285

Isoprinosine Treatment of Alopecia Areata, Thiers BH, 725

K

Keratin expression

characterization of human junctional epithelium by, 708 of cultured human sebocytes, 792

Keratin genes, human epidermal, 162

Keratinocyte human

barrier function of cultured, 323
cultures grown at the air–liquid interface, 323
motility, effects of vitronectin on, 724
proliferation, 419

Keratinocyties class II (la) antigens, with, 950
cultured
detergent-insoluble fraction associated with 230-kD bullous pemphigoid antigen, 139
human, heat shock proteins in, 392
8-MOP-DNA photoadducts in, 942
expression of lymphocyte function–associated antigen 3, 512
human epidermal, intracellular Ca++ increase, 234
production of interleukin-1 and interleukin-6 by, 771
skin, cultured, pyramide dimer induction and repair in, 916
lysis by IL-2–activated peripheral blood lymphocytes, 127
selective expression of immune-associated surface antigens, 505

L

L-dopa and carbipoda, use of, in metastatic malignant melanoma, 85
Laminin molecule in murine skin basement membrane zone, epitope mapping of, 309

Langerhans cells

accessory cell function of, may be potentiated by keratinocytes bearing class II (la) antigens, 950
epidermal, in myelodysplastic syndromes, 932
express the lymphocyte function–associated antigen 3, 512
in aged vs. young skin, 210
LECTIN reactivity and human junctional epithelium, 708
Leukotriene B4, biosynthesis, 260
Light microscopy, 682
Lipid Content and Water Permeability of Skin and Oral Mucosa, Squier CA, Cox P, Wertz PW, 123
Lipid synthesis of cultured human sebocytes, 792
Lipids human stratum corneum, 959
stratum corneum, 845, 959
The Liver, Spleen, and Lymph Nodes in Mastocytosis, Metcalfe DD, 455
Localization of Basic Fibroblast Growth Factor mRNA in Melanocytic Lesions by In Situ Hybridization, Scott G., Stoler M., Sarkar S., Halaban R., 318

Localization of Minoxidil Sulphotransferase in Rat Liver and the Outer Root Sheath of Anagen Pelage and Vibrissa Follicles, Dooley TP, Walker CJ, Hirshey SJ, Falany CN, Diani AR, 65

Localization of Neurophil-Activating Peptide-1/Interleukin-8 Immunoreactivity in Normal and Psoriatic Skin, Sticherling M., Bornscheuer E., Schröder J-M, Christophers E., 26

Loricrin gene, in vitro, transcription of, induced by calcium and cell density, 414

The Lovastatin-Treated Rodent: A New Model of Barrier Disruption and Epidermal Hyperplasia, Feingold KR, Mao-Qiang M., Proksch E., Menon GK, Brown BE, Elias PM, 201

Lupus erythematosus-like skin lesions, 478

Lymph nodes draining dendritic cells in, 355 in mastocytosis, 455

Lymphocyte function—associated antigen 3 (LFA-3), 512 membranes, 293

Lymphocytes
IL-2—activated peripheral blood, lysis of keratinocytes by, 127
skin-infiltrating interleukin-4 promotes the expansion of, 370
patients with psoriasis, in, 3

Lymphomatoid papulosis, analysis of (b), (g) and (d) t-cell receptor genes, 786

Lysis of Keratinocytes by IL-2—Activated Peripheral Blood Lymphocytes, Symington FW, Santos EB, 127

M

Malignant melanoma
metastatic
TNF-alpha/cachectin, 238
use of L-dopa and carbidopa in, 85

Mannan, 657

Mast cell disease, pediatric systemic, 475

Mast cell, role in clinical gastrointestinal disease with reference to systemic mastocytosis, 405

Mast cells, normal, ultrastructural and immunohistochemical characterization of, 265

Mastocytosis
classification and diagnosis of, 25
hematologic aspects of, 475
liver, spleen and lymph nodes in, 455
pediatric, 155
the skin in, 325

Mechanobullous dermatologic disease, 452


Melanocyte
proliferation
paracrine inhibitors of, 180
stimulation of, 987

tumors, 662

Melanocytes
analysis of transcriptional regulation in human cells, 742
in human fetal and neonatal skin equivalents, physiologic distribution and differentiation of, 71
oxygen tension effects on growth and pigmentation of normal human, 841
pyrimidine dimer induction and repair in, 916

Melanocytes and Langerhans Cells in Aged Versus Young Skin Before and After Transplantation onto Nude Mice, Gilhar A., Pillar T., David M., Eidelman S., 210

Melanocytic lesions, localization of basic fibroblast growth factor mRNA in, 318

Melanogenesis, 180

Melanogenesis-related proteins, activity of during induced hair-growth in mice, 172

Melanoma
malignant, studies on co-cultivated, 238
metastatic malignant, use of L-dopa and carbidopa in, 85

Melanoma cells, malignant, analysis of transcriptional regulation in human cells, 742

Membrane fatty acids, 255


Metabolic Studies on Isolated Hair Follicles: Hair Follicles Engage in Aerobic Glycolysis and Do Not Demonstrate the Glucose Fatty Acid Cycle, Philipp MP, Kealey T., 875

Metabolism
collagen, 994
dermal lipid, abnormalities in, 10
Metastatic malignant melanoma, use of L-dopa and carbidopa in, 85
Microbial symbionts, cutaneous and oral, 439

Microscopy
electron, 682
immunofluorescence, 903
light, 682

Minoxidil Stimulates Mouse Vibrissae Follicles in Organ Culture, letter, Kiesewetter F., Langer P., Schell H., 295
Minoxidil sulfotransferase in rat liver, localization of, 65
Minoxidil's Action in Hair Follicles, Buhl AE, 735

Molecular Diagnosis of Cutaneous T-Cell Lymphoma: Polymerase Chain Reaction Amplification of T-Cell Antigen Receptor (b)—Chain Gene Rearrangements, Lessin SR, Rook AH, Rovera G., 299
Molecules CD11a, CD18 and ICAM-1 on human epidermal Langerhans cells, functional role in activation of alloreactive T-cells, 148
Monochromatic ultraviolet radiation, 916

The Monoclonal Antibodies TMH-1 and TMH-2 Specifically Bind to a Protein Encoded at the Murine i-Locus, Not to the Authentic Tyrosinase Encoded at the c-Locus, Tomita Y., Shibahara S., Takeda A., Okinaga S., Matsunaga J., Tagami H., 500

Morphology, stratum corneum, influence on water permeability, 495

MRL/lpr mice, 478

mRNA
androgen—regulated, 926
basic fibroblast growth factor localization in melanocytic lesions by in situ hybridization, 318
human dermal fibroblasts, levels in, 243

MSH, exogenous, 78

Mucosa, oral, lipid content and water permeability o., 123

Murine
epidermis, essential fatty acid-deficient, 950
graft-versus-host disease, experimental, 303
keratinocytes
release of calcium from, induced by agonist/inositol trisphosphate, 134
spontaneously transformed, 267
monoclonal antibody 2G10, 446
pelage hair follicles, properties of, 815

Mycosis fungoides, decrease of t-cell subsets with a naive phenotype in peripheral blood of patients with, 50

Myelodysplastic syndromes, epidermal Langerhans cells in, 932

N

n-Decymethyl sulfide, general influences on permeation of drugs across hairless mouse skin, 822

Neonatal skin equivalents, physiologic distribution and differentiation of melanocytes in, 71
Neoplastic and inflammatory cutaneous tissue specimens, scanning acoustic microscopy of, 38


Nerve Growth Factor, 662

Nerves, (g)-MSH in, 852

Neuropeptides Enhance Irritant and Allergic Contact Dermatitis, Gutwald J., Goebeler M., Sorg C., 695

Neuropeptides in Psoriasis: An Immunocytochemical and Radioimmunoassay Study, Eedy DJ, Johnston CF, Shaw C., Buchanan KD, 434

Neuropeptides in Raynaud’s phenomenon, 314

Neutrophil LTβ, reduced release in atopic dermatitis patients, 16
Neutrophil Recruitment by Intradermally Injected Neutrophil Attractant/ Activation Protein-1, Leonard EJ, Yoshimura T, Tanaka S, Raffeld M, 690

Neutrophil-activating peptide-1/interleukin-8—immunoreactivity, localization of in normal and psoriatic skin, 26

Neutrophil-activating peptide-1/interleukin-8 (NAP-1/IL-8) in human skin, inflammatory properties of, 682

Neutrophil granulocytes, (g)-MSH in, 852

A Novel Approach to Analysis of Transcriptional Regulation in Human Cells: Initial Application to Melanocytes and Melanoma Cells, Grichnik JM, Gilchrest BA, 742

O

Oral microbial symbionts, 439

Oriented Structure in Human Stratum Corneum Revealed by X-Ray Diffraction, Garson J-C, Doucet J, Levêque J-L, Tsoucaris G, 43

Ornithine decarboxylase activity

BHA effects of on, 289
differential effects of cyclosporine A on, 871

Oxygen tension, effects of on the growth and pigmentation of normal human melanocytes, 841

Pagetoid reticulosis, disseminated, 718

PAM cells, 267

Papilla cells, normal cultured human dermal, 388

Papilla, dermal, comparison in alopecia areata, 673

Papillae, dermal, of human hair follicles, expression of basement membrane proteins and interstitial collagens in, 93

Papillary endothelium in healing psoriatic plaques, 362

Parathyroid hormone-related protein in normal skin, 277

Patch-test reactions, cell trafficking in positive and negative, 459

Patterns of Glycosaminoglycan/Proteoglycan Immunostaining in Human Skin During Aging, Willen MD, Sorrell JM, Lekan CC, Davis BR, Caplan AI, 968

Pediatric Dermatology and Dermatopathology I. By Ruggero Caputo, A. Bernard Ackerman, and Evita Q. Sison-Torre, book review, Weston WL, 530

Pediatric Mastocytosis, Kettelhub BT, Metcalfe DD, 155

Pediatric systemic mast cell disease, 475

Pemphigoid antigen, bullous, 527

Pemphigus

antigen complexes, autoantibodies directed against, 273
captopril-induced, 273
erthythematous, 159

foliaceus

antigen, 815

human skin, 159

penicillamine-induced, 273

vulgaris, 159

Peptide-1/interleukin-8—immunoreactivity, localization of neutrophil-activating, in normal and psoriatic skin, 26

Perfusor, benzoyl, 490

Phaeomelanogenesis, transformation to eumelanogenesis within C57BL/6J-A/a hair bulb melanocytes, 78

Phenotypic analysis of t cells in patients with psoriasis, 376

Phorbol ester tumor promoter, 289

Phorbols, tegline-type, 987

Photoactivation of T cell Function with Psoralen and UVA Radiation Suppresses the Induction of Experimental Murine Graft Versus-Host Disease Across Major Histocompatibility Barriers, Ullrich SE, 303

Photorepair of UV-induced thymine dimers, 903

Photosensitivity, generation of contact, accompanied by increased number of dendritic cells in draining lymph nodes, 355

Physiologic Distribution and Differentiation of Melanocytes in Human Fetal and Neonatal Skin Equivalents, Haake AR, Scott GA, 71

Plasma membrane of epidermal cells, adhesion molecules on, 512

Platelet-derived growth factor

bioactivity and type-B PDGF receptors in normal and psoriatic human fibroblasts, effects of retinoic acid on, 111

receptors, 983

Polymerase chain reaction

amplification of TCR-(b), 299
detection of HIV-1 with, 979

Polymorphism of the human gene, evidence for, 908


Primary Cutaneous (g)/(d) T-Cell Lymphoma Presented as Disseminated Pagetoid Reticulosis, Berti E, Cerri A, Cavicchini S, Delia D, Soligo D, Alessi E, Caputo R, 718


Production of Interleukin-1 and Interleukin-6 by Human Keratinocytes and Squamous Cell Carcinoma Cell Lines, Partridge M, Chantry D, Turner M, Feldmann M, 771

Proliferating Cells in Psoriatic Dermis Are Comprised Primarily of T Cells, Endothelial Cells, and Factor XIIIa+ Perivascular Dendritic Cells, Morganroth GS, Chan LS, Weinstein GD, Voorhees JJ, Cooper KD, 333

Properties of Murine Pelage Hair Follicles in Molayer and Collagen Matrix Cultures, Lichti U, Weinberg WC, Yusu SH, 815

Protein, b- and c-locus, 500

Proteins

basement membrane and interstitial collagens, expression in dermal papillae of human hair follicles, 93

heat shock, in cultured human keratinocytes and fibroblasts, 392

Psoralen, photoinactivation of t-cell function with, 303

Psoriasis

characterization of skin-infiltrating lymphocytes in patients with, 3 neuproteptides in, 434

platelet-derived growth factor receptors, 983

systemic cyclosporin A treatment, 376

Psoriatic dermis, proliferating cells in, 333

human fibroblasts, 111

plaques

papillary endothelium in healing, 362

spreading, endothelium in the margin zone of, 529

skin, localization of neutrophil-activating peptide-1/interleukin-8—immunoreactivity in, 26

PUVA, 871

PUVA treatment, effects of on membrane fatty acids and activities of antioxidant enzymes in human keratinocytes, 255

Pyrimidine Dimer Induction and Repair in Cultured Human Skin Keratinocytes or Melanocytes After Irradiation with Monochromatic Ultraviolet Radiation, Schoothorst AA, Evers LM, Noz KC, Filon R, van Zeeland AA, 916

R

Radioimmunoassay study of neuproteptides in psoriasis, 435

Raynaud's phenomenon, 314

Receptors for nerve growth factor, in tumors of melanocytic origin, 662

Recessive dystrophic epidermolysis bullosa, in sheep, 452

Recombinant Human Interleukin-8 Is a Potent Activator of Canine Neutrophil Aggregation, Migration, and Leukotriene B4, Biosynthesis, Thomsen MK, Larsen CG, Thomsen HK, Kirstein D, Skak-Nielsen Reduced Neutrophil LTB4, Release in Atopic Dermatitis Patients Despite Normal Fatty Acid Composition, Schafer L, Krabbske K, Jepsen LV, Iversen L, 16

Regional Variation in the Expression of Pemphigus Foliaceus, Pemphigus Erythematosus, and Pemphigus Vulgaris Antigens in Human Skin, Ioannides D, Hytioglu P, Phelps RG, Bystryn J-C, 159

Regulation of Collagen Gene Expression by Transformed Human Fibroblasts: Decreased Type I and Type III Collagen RNA Transcription, Hatamochii A, Ono M, Ueki H, Namba M, 473

Regulation of Epidermal Cell Interleukin-6 Production by UV Light and Corticotriroids, Kirschauer R, Köck A, Neuner P, Förster E, Krut tmann J, Urbanski A, Schauer E, Ansel JC, Schwarz T, Luger TA, 484

A Request for Data, letter, 397

Responsiveness to Interleukin 4 and Interleukin 2 of Peripheral Blood Mononuclear Cells in Atopic Dermatitis, Furue M, Ohtsuki M, Ogata F, Ishibashi Y, 468
Reticulosis, disseminated pagetoid, 718
Reticular acid
all-trans, 975
suppression of transcription of the human loricrin gene, in vitro, 414
Reticular acid-treated human skin, topical, 699
Retinoids, 942
Rodlets, intranuclear, and associated true intranuclear bodies in normal cultured human dermal papilla cells, 388
The Role of Genetics in Autoimmune Disease, Bach FH, 865
The Role of the Mast Cell in Clinical Gastrointestinal Disease with Special Reference to Systemic Mastocytosis, Miner PB Jr, 40S
Ruthenium tetroxide staining, 215

S
Sarcoptes scabiei, scabies mite, 349
Scabies mite, sarcoptes scabiei, 349
Scanning Acoustic Microscopy of Neoplastic and Inflammatory Cutaneous Tissue Specimens, Barr RJ, White GM, Jones JP, Shaw LB, Ross PA, 38
SCC-12 F, human squamous cell carcinoma line, 116
Sebaceous cells, human, characterization of in vitro, 341
Septocytes, cultured human, in vitro, 792
Secretion of a Unique Collagen by Spontaneously Transformed Murine Keratinocytes (PAM Cells) In Vitro, Tokimitsu I, Ohyama K, Tajima S, Nishikawa T, 267
Selective Expression of Immune-Associated Surface Antigens by Keratinocytes in Irritant Contact Dermatitis, Willis CM, Stephens CJM, Wilkinson JD, 505
Sézary Syndrome, 31
Skin
lesions, lupus erythematosus-like, 478
structure, influence of on permeability, 921
Skin epithelium, expression of TGF-(a) in differentiatied and hyperproliferative, 328
Skin in Mastocytosis, The, Soter NA, 325
Skin-infiltrating lymphocytes in psoriatic patients, 3
Small bowel, normal, detection of IGA anti jejunal antibodies on, 228
Sodium fluoride, studies with, on inositol phosphate formation in the human squamous cell carcinoma line SCC-12F, 116
Sodium lauryl sulfate, 963
Some General Influences of n-Decylmethyl Sulfoxide on the Permeation of Drugs Across Hairless Mouse Skin, Choi H-K, Amidon GL, Flynn GL, 822
Spleen, in mastocytosis, 45S
Squamous cell carcinoma
basement membrane components, 250
cell lines, 771
insulin-like growth factors are mitogenic, 104
interleukin-1 and interleukin-6 production, 771
line SCC-12 F, human, inositol phosphate formation in, 116
Stratum corneum
atopic dermatitis, ceramides in, 523
fatty acid--deficient, 215
human epidermis, presence of trichoehalin in, 666
oriented structure revealed by x-ray diffraction, 43
lipids, 959
morphology, influence on water permeability, 495
trichoehalin presence in, 666
Stratum Corneum Lipids Serve as a Bound-Water Modulator, Imokawa G, Kuno H, Kawai M, 845
Sulfur mustard, skin explants exposed to, 888
Summary of Alopecia Areata Research Workshop and Future Research Directions, Goldsmith LA, 988
Symbiosis, microbial, cutaneous and oral, 439
Synergistic Effects of Epidermal Growth Factor (EGF) and Insulin-Like Growth Factor I/Somatotropin C (IGF-I) on Keratinocyte Proliferation May Be Mediated by IGF-I Transmodulation of the EGF Receptor, Krane JF, Murphy DP, Carter DM, Krueger JG, 419
Systemic mast cell
biochemical diagnosis of disorders, 19S
disease, 475, 525
Systemic Mastocytosis: Retrospective Review of a Decade's Clinical Experience at the Brigham and Women's Hospital, Horan RF, Austen KF, 55

T
T cells, suppressor, induction of by 12-0-tetradecanoylphorbol-13-acetate, 864
T-cell antigen receptor (b)-chain gene rearrangements, polymerase chain reaction amplification of, 299
function with psoralen and UVA radiation, photoinactivation of, 303
line, clonal CD4+, positive, established from the blood of a patient with Sézary Syndrome, 31
lymphoma
molecular diagnosis of cutaneous, 299
primary cutaneous (g)/[d], presenting as disseminated pagetoid reticulosis, 718
T-Cell Subsets with a Naive Phenotype are Selectively Decreased in the Peripheral Blood of Patients with Mycosis Fungoides, Gilmore SJ, Benson EM, Kelly JW, 50
T-cells
analysis, in psoriatic patients treated with cyclosporine A, 376
genomic, phenotypic and functional analysis of, 376
presence in proliferating cells in psoriatic dermis, 333
TCR-(b) gene rearrangements, 299
T+ tyrosinase epitope, 446
TGF-(a) Is Widely Expressed in Differentiated as Well as Hyperproliferative Skin Epithelium, Finzi E, Harkins R, Horn T, 328
TGF-(b), immunosuppressive effects of, 832
13-cis-RA, 792
Thymine dimers in human epidermis, 903
Tigiane-Type Phorbols Stimulate Human Melanocyte Proliferation: Potentially Safer Agents for Melanocyte Culture, Cela A, Leong I, Krueger J, 987
Tissue Vitronecrosis in Normal Adult Human Dermis is Non-Covalently Bound to Elastic Tissue, Hintner H, Dahlbäck K, Dahlbäck B, Pepys MB, Breathnach SM, 747
TMH-1 and --2, 500
TNF-alpha/cachectin, immunolocatio of, 238
Topical All-Trans Retinoic Acid Stimulates Collagen Synthesis In Vivo, Schwartz E, Cruickshank FA, Mezick JA, Kilgman LH, 975
Topical Immunotherapy in Alopecia Areata, Happle R, 71S
Transcription of the Human Loricrin Gene In Vitro Is Induced by Calcium and Cell Density and Suppressed by Retinoic Acid, Hohi D, Lichti U, Breitkreutz D, Steinert PM, Roop DR, 414
Transforming growth factor-(b), in diffuse fasciitis, elevated expression of the genes for, 20
Transfoming growth factor-beta, effects on antigen-presenting blood and epidermis cells, 401
Transglutaminase, human epidermal type I, isolation of cDNA for, 285
The Treatment of Mastocytosis: An Overview, Metcalfe DD, 55S
Trichohyalin: Presence in the Granular Layer and Stratum Corneum of Normal Human Epidermis, Hamilton EH, Payne RF Jr, O'Keefe EJ, 666
Trichophyton rubrum, 657
Tumor necrosis factor-(a), 180, 243
Tumors of melanocyte origin, 662
12-O-tetradecanoylphorbol-13-acetate, 864
15-kD bullous pemphigoid antigen, characterization of, associated with the detergent-insoluble fraction of cultured keratinocytes, 139
Type VI collagen in diffuse fasciitis, elevated expression of the genes for, 20
Type-B PDGF receptors in normal and psoriatic human fibroblasts, 111

U
Ultrastructural and Immunohistochemical Characterization of Normal Mast Cells at Multiple Body Sites, Weidner N, Austen KF, 26S
Ultrastuctural localization, spatial differences in, 309
Ultraviolet
- irradiated hairless mouse skin, collagen metabolism in, 994
  radiation, monochromatic, 916
Ultraviolet-B erythema compared with delayed sensitivity, 763
Ultraviolet-B, induction of ornithine decarboxylase activity, 871
The Use of L-dopa and Carbidopa in Metastatic Malignant Melanoma,
Gurney H, Coates A, Kefford R, 85
UV irradiation, influence on the composition of human stratum corneum
lips, 959
UV light, regulation of epidermal cell interleukin-6 production by, 484
UVA
  irradiation, in vitro, effects on membrane fatty acids and activities of
  antioxidant enzymes in human keratinocytes, 255 radiation, suppres-
  sion of murine graft-versus-host disease, 303
  (320–400 nm), effects on barrier characteristics of skin, 758

V
Vacuolar Acidification and Bafilomycin-Sensitive Proton Translocating
ATPase in Human Epidermal Langerhans Cells, Girolomoni G, Stone DK,
Bergstresser PR, Cruz PD Jr, 735
Vascular responses, digital cutaneous, to histamine and neuropeptides in
Raynaud’s phenomenon, 314

VCAM-1, 763
Vibrissa follicles, localization of minoxidil sulfotransferase in outer root
sheath of anagen pelage and, 65
Vibrissae follicles, mouse, stimulation by minoxidil, 295
Vitronectin, tissue, in normal adult human dermis, 747
Vitronectin: Effects on Keratinocyte Motility and Inhibition of Collagen-
Induced Motility, Brown C, Stenn KS, Falk RJ, Woodley DT,
O’Keefe EJ, 724

W
Water permeability and lipid content of skin and oral mucosa, 123

X
X-ray diffraction
  characterization of stratum corneum membrane structures, 215 revelation
  of oriented structure in human stratum corneum, 43
Xeroderma Pigmentosum, Photosensitivity, and Implications for Black Pa-
tients, letter, Johnson JA, 156