**SESSION ORDER**

| CM9-01 | 1168 | Adenosine patterns regulate skin inflammation through promoting protumorigenic inflammatory microenvironment |
| CM9-02 | 1449 | Induction of T cell exhaustion by JAK1/3 inhibition in the treatment of alopecia areata |
| CM9-03 | 1344 | Advanced age imparts self-renewal and losses fate choice of human follicle dermal stem cells |
| CM9-04 | 415 | Fc?RIIb deficiency accelerates immunoglobulin class switch and pemphigus vulgaris |
| CM9-05 | 419 | Sensory nerves promote cutaneous immune reaction by promoting dendritic cell functions |
| CM9-06 | 430 | Tissue Regeneration and Wound Healing |
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**ABSTRACT CATEGORY**

- **Adaptive and Autoimmunity**
- **Clinical Research: Pathophysiology and Therapeutics**
- **Growth Factors, Cell Adhesion and Matrix Biology**
- **Epidermal Structure and Barrier Function**
- **Skin, Appendages, and Stem Cell Biology**
- **Genetic Disease, Gene Regulation and Gene Therapy**
- **Tissue Regeneration and Wound Healing**
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- **Histamine receptors regulate cutaneous immune reaction by promoting dendritic cell functions**
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UBE2N promotes melanoma growth by maintaining MEK and FRA1 signaling.
Different prevalence of sensitization against galactose-α-1,3-galactose between...
Inducible endothelial cell (EC)-specific RAMP1 knock-out (KO) mice have
a phenotype with implications for hierarchical organization of
endothelial cell populations in health and disease.

CD8+ T cell skin infiltration predicts disease progression in CTCL patients
and is dependent on IFN-γ/STAT1 activation.

Demethylation of TRPM2 induced by oxidative stress triggers mitochondria-
mediated apoptosis and autophagy in human keratinocytes.

Suprabasal acantholytic blisters in oral mucosa caused by homozygous nonsense
mutations in TMEM107.

Ruxolitinib inhibits Cyclosporine A (CSA) induced proliferation of squamous cell
carcinoma (SCC): implications for treating catastrophic SCC in organ transplant
recipients (OTRs).

Despite abnormal vitamin D receptor expression in keloid scars, keloid
fibroblasts fail to respond to vitamin D treatment in vitro.

A microtubule catastrophe factor regulates stem cell position and number in the
mouse mammary gland.

Systemic delivery of HMGB1 promotes tissue regeneration by activating
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Genetic and Gene Regulation in Skin Diseases

Optimization of gentamicin therapy for recessive dystrophic epidermolysis
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Development of contact dermatitis in mice requires T cell signaling via the
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Peroxisomes contribute to inflammation in atopic dermatitis

UV increases skin-derived 1α,25-dihydroxyvitamin D3 production, leading to

Changes in blood involvement in Sézary syndrome positively correlate with skin

The role of the WFDC [WAP (Whey acidic protein) four-disulfide core] family

Identification of potential targets of dietary grape-mediated chemoprevention

Scavenger receptors regulate responses of toll-like receptor 3 to double-

Analysis of the interaction of different wavelengths present in natural sunlight

Dysfunctional Stress Response in Psoriatic Keratinocytes

Topically applied NanoFlares to measure gene expression in vivo: Proof-of-

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Gene expression profiling and immune cell-type deconvolution highlight robust combination therapy with MST-16 and VP-16 for tumor stage mycosis fungoides.

TOX expression discriminates early Mycosis fungoids from benign cutaneous dermatoses.

Notch intracellular domain is partitioned into extracellular vesicles: Implications for oncogene-induced transformation of skin fibroblasts by ATM.

Increased risk of malignancy in mycosis fungoides: A single-center perspective.

Distinct and redundant pro-proliferative functions of p63 and p73 in cutaneous squamous cell carcinoma.

Association of pleiotropic cancer susceptibility variants and risk of cutaneous squamous cell carcinoma.

Efficacy and tolerability of pembrolizumab in an elderly patient and unusual disease progression and survival markers in multiple cohorts of CTCL patients.

The role of common mitochondrial haplogroups in cutaneous squamous cell carcinoma.

IDH mutant melanomas represent a distinct molecular subset of melanomas.

The antisense lncRNA transcript RP11-7O11.3: Shedding light upon a novel and important regulator of melanoma cell behaviors.

Complement components C1r and C1s promote growth of cutaneous squamous cell carcinoma.

CRISPR-Cas9 epigenome editing to induce DNA demethylation at the p14ARF promoter and inhibit skin cancer.

CXCL12 is a potential paracrine factor in tuberous sclerosis tumorigenesis.

HDAC1 and HDAC2 regulate homeostasis and tumorigenesis of postnatal murine skin.

Increased risk of malignancy in mycosis fungoides: A single-center perspective.

JAK1/2 inhibitor ruxolitinib induces cell cycle arrest and apoptosis through downregulation of the JAK/STAT pathway in cutaneous T-cell lymphoma.

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Adults with psoriasis have lower influenza vaccination rates than adults with other chronic illnesses.

The association of depression and alopecia areata in women: A prospective study.

Electrocardiogram abnormalities in Filipino patients with psoriasis in a tertiary care center.

High prevalence of cutaneous angiosarcoma in Okinawa located at the southernmost part of Japan.

Mammography screening in neurofibromatosis type 1.

Enhancement of epidermal function delays relapse of psoriasis.

Detection of major epitopes for autoantibodies in dipeptidyl peptidase IV inhibitors-associated bullous pemphigoid.

Host characteristics and risk of atypical nevi.

Racial characteristics of Alopecia Areata in the US from the National Alopecia Registry.

Genetic ancestry does not influence atopic dermatitis susceptibility or disease severity.

BMI and sun exposure is associated with increased risk of non-melanoma skin cancer in US adults.

Risk factors for acne development in the first two years of initiating masculinizing testosterone therapy among transgender men.

Prevalence and relative risk of microscopic colitis and chronic diarrhea in dermatomyositis.

Chilblain lupus erythematosus - clinical and histologic characterization of an under-recognized entity.

Impact of skin infections on medical expenditures in patients with atopic dermatitis.

Increased risk of eczema after joint replacement or pacemaker implantation: a retrospective cohort study.

Utilization of physician billing claims to validate actinic keratoses cases.

A single-institution experience with nevi of specialized sites.

Increased risk of breast cancer among women with psoriasis.

Increased risk of heart failure among women with psoriasis.

Increased risk of ischemic heart disease among women with psoriasis: A 17-year nationwide prospective cohort study.
Confidence interval reporting in dermatology

Analysis of after hours paging: Dermatology consults and pages

Plantar distribution of hand-foot skin reaction related to use of a multikinase inhibitor and hard orthotic shoes in a pediatric patient

Ethnic variation in rare cutaneous malignancies: A single institution experience

Clinical, viral and genetic characteristics of drug reaction with eosinophilia and systemic symptoms in Shanghai, China

Autoantibody profile in 619 Italian patients with cutaneous lupus erythematosus

Clinical factors influencing response to intravenous immunoglobulin treatment for chronic pruritus

Characterization of oral antibiotics for acne treatment

Prenatal psychological stress and the risk of atopic dermatitis in offspring: a case-control study

Clinical characterization of bullous pemphigoid and mucous membrane pemphigoid diseases: analysis of a national and local dataset

Hair alterations in the setting of germline RAS pathway mutations

Association between vitamin D and eczema among adults in the US National Health and Nutrition Examination Survey

Validation of Inpatient ICD9 Diagnosis Codes as Predictors of Venous Leg Ulcers: A retrospective analysis of patient-reported physical and psychological stressors in veterans: A national survey

A comprehensive review of global disease demographics and HLA associations

The change of body skin with aging compared to face skin in Chinese women

Utilization and cost of actinic keratosis destruction in Medicare Part B fee-for-service beneficiaries in the United States

The development of first venous leg ulcer in people with chronic venous insufficiency in cases of refractory pyoderma gangrenosum.

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Aspects of photoprotection on Merkel-Cell Carcinoma long-term survival

Allergens or non-allergens can induce TLR 4 signaling via receptor for advanced glycation end products: a potential role in the pathogenesis of cutaneous pathology

Single institution experience and comparison to EULAR data

Gender-based differences in the prevalence of gastrointestinal disease in women

Failure of facial skin screening for cancer in people with a history of skin cancer

Clinical, viral and genetic characteristics of drug reaction with eosinophilia and systemic symptoms in Shanghai, China

Calcineurin inhibitors are not associated with human papillomavirus infection in women who have ever been pregnant

A comprehensive review of global disease demographics and HLA associations

Cancer incidence and survival in a nationwide population-based study of 10,000 individual visits to a dermatology clinic in China

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Clinical Research: Pathophysiology and Therapeutics

A combination of re-exposure and active learning maximizes medical student performance.

Demonstration of hair health benefits using an oral supplement.

Hidradenitis suppurativa: Characterization of a dedicated treatment center in the Bronx.

A pre-Delphi consensus exercise to define screening for psoriatic arthritis and dermatologic comorbidities.

Recapitulating the Ehlers-Danlos Syndrome skin phenotype in a novel xenograft model.

Persistent elevated serum lactate and mortality in Stevens Johnson syndrome patients.

Topical ivermectin decreases serine protease activity in individuals with rosacea.

Lidocaine potentiates thermal injury to proliferating skin and carcinoma cells.

RXI-109 treatment to reduce the formation of hypertrophic dermal scars.

The associations of depression and coping methods on health-related quality of life for those with hidradenitis suppurativa.

Gender stratifies psoriatic patients' therapeutic needs - a two-country, multi-center, prospective, non-interventional study.

Positive effects of hydrogen-water bathing in patients of psoriasis and depression.

Psoriasis and diet: Evidence synthesis from the Medical Board of the National Psoriasis Foundation.

Image analysis: Recognizing entity.

Itch and Pain Mediators in Non-Melanoma Skin Cancer.

Teaching benign skin lesions to family physicians as a strategy to improve the patient satisfaction and long-term recognition of skin lesions.

The impact of telehealth services at the Atlanta VA Medical Center: Assessing patient satisfaction.

Caucasian men: Measurements using a newly developed Facial Pigmented Skin Analysis System for skin-related outcomes.

Outcome after pulmonary metastasectomy for colorectal cancer.

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Positive effects of hydrogen-water bathing in patients of psoriasis and depression.
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Measurement of pruritus associated with chronic kidney disease: A qualitative study

Fatigue in systemic lupus erythematosus and other autoimmune skin diseases

Phase 1, single-arm, open-label, dose escalation trial of microneedle array-based delivery of anakinra

Trends in Psoriasis Care at Teaching versus Non-Teaching Hospitals: A Meta-analysis

Intravenous immunoglobulin is an effective treatment for refractory cutaneous lupus erythematosus

An assessment of quality of life in patients with pyoderma gangrenosum

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The stigma of psoriasis: Public and healthcare professional perceptions
Organic anions improve cell volume regulation of aged human keratinocytes

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Protease-activated receptor 2 activation reduces Claudin-1 expression in human keratinocytes

11ß-hydroxysteroid dehydrogenase type 1 activation induced by UVB might be a novel biomarker of aging

Human keratinocyte biomarker mapping on skin tape strips using mass spectrometry imaging

Positive correlation between thermal sensitivity and trans-epidermal water loss

A study about the importance of constant temperature and humidity system in transdermal vaccine delivery

Nail lesions in 30 old inbred mouse strains

Minimum role of filaggrin-gene mutations in the skin barrier function of atopic dermatitis conditions

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Organic osmolytes improve cell volume regulation of aged human keratinocytes

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Psoriasis-associated late cornified envelope (LCE) proteins have antibacterial activity

Synchronized skin explant model to study circadian rhythm alterations in psoriasis and psoriasis-adjacent epidermis

Activation of nuclear hormone receptor pathways.

The role for the basement membrane in skin lipid trafficking

Autophagy and ciliogenesis are coordinately regulated by EphA2 in epidermis

Necroptosis as special type of cell death in inflammatory skin diseases

The validity of a novel patient-operated device for measuring skin barrier integrity

Transdermal vaccine delivery by the activation of nuclear hormone receptor pathways.

Aryl hydrocarbon receptor-dependent expression of aldo-keto reductase 1C3 in epidermis

Epidermal Structure and Barrier Function

Topically applied buffers of different pH and composition influence skin pH, barrier repair, epidermal differentiation, and hydration

Tight junction targeting peptides disrupt skin barrier and may enable bacterial translocation

Three dimensional IHC characterization of aging in 3D skin models

SFMBT1 and TGF-ß/smад signalling pathway analyzing skin barrier function

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Primary human keratinocytes. Activity of NADH dehydrogenase in modulation of epidermal keratinization.
Generalized ichthyotic peeling skin syndrome due to FLG2 mutations

Impact of Essential Fatty Acids on the skin barrier function of tissue engineered skin substitutes

Combination of retinaldehyde and hydroxylapatite mimics the effects of all-trans retinoic acid in a human epidermis cell line

Development of a do-it-yourself skin equivalent system for use as a research tool

Noninvasive detection and analysis of ceramide in skin and blood in Chinese patients with atopic dermatitis

Gentamicin induces premature termination codon readthrough and restores keratinoctye survival in a model of XLRM

Effects of anthralin on innate factors and cytokeratins expression by human epidermal keratinocytes

Per3, a circadian clock component, mediates the suppression of MMP1 in response to light and cold

Truncated neurokinin 1 receptor (NK1R) is the predominant form of NK1R in human skin, and its expression is increased in patients with skin diseases

Evidence that ammonia molecules trapped in the air above the skin surface contribute to the development of acne

Molecular signature of human skin exposed to prolonged occlusion and over-drying

Abnormalities in skin barrier status correlate with autism in a murine model: A role for GM-CSF

Intragenic copy number variation and Filaggrin variation are associated with Atopic Dermatitis in African Americans

Biological functionality and chemical properties of Brazilian vegetable oils by means of chromatography, reflectance spectrophotometry, and infrared spectroscopy

Japan’s initiative on rare and undiagnosed diseases patients: To bring their stories to awareness and provoke action

A novel missense mutation in exon 3 of the TRPS1 gene in a patient with a mild phenotype of tricho-rhino-phalangeal syndrome type 1

Atopic Dermatitis in African Americans: A diagnostic odyssey to an end, and beyond

Intragenic copy number variation and Filaggrin variation are associated with Atopic Dermatitis in African Americans

The crystal structure of keratin 1/10(Cys401Ala) helix 2B heterodimer

Reduced microbial diversity is a feature of recessive dystrophic epidermolysis bullosa

Expression and localization of the epidermal perturbing enzyme: Plasmin(ogen).

Autoantibodies in epidermolysis bullosa

Effect of acefylline on filaggrin expression and catabolism in a model of epidermolysis bullosa

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<td>USP31 cleaved CD247 in mice with dermatitis induces spontaneous lupus-like phenotype</td>
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<td>Non-steroidal gene therapy for Rheumatoid arthritis and psoriasis in mice: a highly branched poly(alanine-lysine) polymer (HPLA-68)</td>
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<td>Genome-wide association study identifies four novel susceptibility loci for systemic lupus erythematosus in Han Chinese</td>
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<td>Fine-mapping analysis of the HLA region for vitiligo in Chinese Han population</td>
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<td>Imunohistopathological study of proliferative psoriatic inflammation reveals microvascular involvement that promotes neovascular infiltration</td>
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<td>Discovery of a receptor-dependent step in cullinization activation of inflammation identifies a novel therapeutic target for proangiogenesis and tissue regeneration</td>
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<td>Three-phosphatase gene inactivation in recombinant human epidermis induces chronic cutaneous barrier disruption and lipidskin synthesis activation</td>
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<td>Differential profiles of pro-inflammatory and specialized pro-resolving lipid mediators in PMA-treated skin biopsies from young and old donors</td>
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Anti-VZV-IgM antibody is more frequently induced in herpes zoster patients

Prebiotic stimuli alter gene expression in skin

Heme oxygenase-1 has a protective role in murine imiquimod-induced

Kallikrein 6 (KLK6) mediated keratin 10 degradation is required for VZV

Microbiome of hidradenitis suppurativa

Candidalysin, a virulence factor of Candida albicans, activates human

Innate Immunity, Microbiology, Inflammation

Characterization of eicosanoid species altered in psoriatic skin

Successful treatment of psoriatic inflammation restores hyperglycemia

New role of exogenous HMGB1 for human keratinocyte under acute

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A new cellular pathway in hematopoiesis: 9-O-acetyl sialic acid levels identify

Identification of pharmacologic inhibitors of specific kinases that prevent IL-4-

MicroRNA-17-92 cluster promotes the proliferation and the chemokine

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<td>Severity of pediatric atopic dermatitis correlates to hemodynamic potential of 1. Across hosts from single lesion</td>
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<td>Intravascular changes of cerebral arteries and increased brain glucose metabolism by long-lasting inflammatory cytokine release from dermatics, but rescued by IL-12 therapy.</td>
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<td>TNF-α and IL-17A-mediated induction of NF-κB cytokines in human keratinocytes</td>
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<td>The effect of local inhibition on TNF-α and IL-17A-mediated signaling</td>
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<td>The effect of HDAC inhibitors in increasing skin cancer more severe prenate psoriasis under skin lesions than IL-17A and this effect can be increased by the combined administration</td>
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<td>Correlation of a 3D skin model with a psoriatic microbes is more beneficial to the skin barrier than with Staphylococcus aureus strain</td>
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<td>Evaluation of Demodex mite viability by motility and scattered light intensity</td>
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<td>The human cutaneous microbiome composition changes after local treatment with both healthy and atopic dermatitis</td>
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<td>Mouse models using hormone mediated glucocorticoids as regulatory tool to treat all psoriasis in a psoriasis-associated mouse model</td>
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<td>IL-33 is a strong inducer of 3-23A expression in human 3D psoriasis skin models containing inflammatory keratocytes and dermal fibroblasts</td>
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<td>TGF-β promotes T cell-associated responses Downstream of inhibition of TNF-α-mediated inflammation by TLR2 regulating 3D dermis models</td>
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<td>Evaluation of pharmacological reagents in an epidermal to fully human transdifferentiation model for psoriasis</td>
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<td>Oral administration of Lactobacillus rhamnosus CRL 43165 activates skin immunity and modulates skin inflammation caused by Staphylococcus aureus infection.</td>
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<td>Comparative study of the skin lesions of Néjat-Holmén syndrome and NF-κB-related inflammation syndromes with cutaneous atopic alula responses by a transcription factor</td>
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<td>CD101 gain-of-function mutation alone is sufficient to drive in 3-23A human-epidermal keratinocyte models</td>
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<td>In contrast to myeloid cells, inflammatory activation in keratinocytes is dependent on NF-κB and JAK2-regulated protein kinase pathways</td>
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<td>Exosome-mediated delivery of ST silk protein to induce protein BET in regulating granulocyte competence</td>
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Metronomic versus conventional photodynamic therapy: Comparison of acute UV irradiation and intrinsic aging modulate various histone deacetylases

Photodynamic therapy against both methicillin-resistant Staphylococcus aureus and Propionibacterium acnes induced acne

Ultraviolet B radiation upregulates the production of serine racemase in mouse skin

Decorin is associated with preservation of dermal collagen in UVB exposed mice

Oral administration of nicotinamide riboside (NR) and pterostilbene (PT) to mice regulates BMAL1 and CLOCK proteins in regulating the sensitivity of human keratinocytes

Opsin expression in human dermis fibroblasts in vitro

Melanocyte UVB skin damage is inversely affected by S. epidermis versus P. acnes in vitro

System for measuring UV protection index

Photoprotective properties of an Entada phaseoloides seeds extract obtained by flexible light-emitting diode

Study of clinicopathological and molecular markers of basal cell carcinoma

Fernblock prevents dermal cell damage induced by visible and infrared A radiation

Over expression of opsin 3 up-regulates the activity of tyrosinase in human epidermis melanocytes co-cultured with keratinocytes in vitro

Open expression in human dermal fibroblasts in vitro

Pharmacological influence of skin fibroblasts by UVB through the modulation of inflammatory response

Long standing RNA associated competing endogenous RNAs in UVB induced premature senescence of human dermal fibroblasts

The impact of S. epidermis versus P. acnes on UVB irradiated dermal fibroblasts and skin equivalent models

BBM's involved in ultrasound radiation induced endothelial effects

High frequency light emitting diode red light effect on skin fibroblasts: A comprehensive RNA-seq analysis

Skin protection in regenerative UVB skin inflammation in vivo

The influence of UVB protection on skin during sun exposure

Regulation of protein synthesis during the progression of UVB-induced squamous cell carcinogenesis

Photodynamic therapy against both melanin-resistant Staphylococcus aureus and Pseudomonas aeruginosa

The influence of UVA protection on skin during sun exposure

Identification of proteins involved during the progression of UVB induced squamous cell carcinogenesis

Preservation of UVR sun damage in hyperpigmented, 5-epidermis versus F-270x270

Photoprotective activities of needle-casted UV gelatine are modified by ROS and inflammation

Acute UV irradiation and irritant topically mediate various factors osteocyte activity in human skin in vivo

Glutamate stimulates subcutaneous microvesicle particle formation and release in a keratinocyte cell line

UV effects stimulate downstream expression in human dermal fibroblasts

OCT light and cellular stimuli

Deep penetration strategy against photaging targeted on broad sun spectrum damaging effects (UV, IR, Blue Light)

Photo protective properties of an Eucalyptus extract on UVB induced apoptosis

Study of dermatopathological and melanocyte markers of basal cell carcinoma influencing the response to bleomycin

F-DVX, a new industrial recombinant human skin model for dermatological and cosmetics research and development

Flurbiprofen prevents dermal cell damage induced by mild and infrared A radiation

Validation of a UV biomarker panel for risk stratification of actinic keratosis

BMAL1 and LCHR1 proteins in regulating the sensitivity of human keratinocytes to UVB induced apoptosis

Defensin is associated with preservation of dermal collagen in UVB exposed mice

The impact of Trueno Amounts of long wavelength UV (VIS) on Visible Light induced effects

Metastatic versus conventional photodynamic therapy: Comparison of therapeutic response in a murine model of acute keratosis

Identifying factors affecting UV sensitivity by minimal erythema dose testing in over 20,000 individuals

High expression of KDR is seen in and improves matrix abnormality associated with skin aging via inhibition of DNA methyltransferase 1
STIM1, but not STIM2, is the calcium sensor critical for sweat secretion.
An integrated model of alopecia areata biomarkers highlights both Th1/Th2 activation and the role of miR-486 for alopecia areata.

Basal layer divisions in epidermis over the human lifespan. Influence of the age of infants, compared to adults, on epidermal cell proliferation.

Human scalp skin as an abundant and accessible source for eccrine sweat gland characterization.

Characterization of human epidermal stem cells in situ using multiplex Spheroids cell cultures as a promising study model for hair follicle regeneration.

Expression of nutrient transporters is altered in the human keratinocytes cell line HaCaT.

The protective role of ginsenoside Rd on dermal epidermal junction in fibroblast.

Endocannabinoid-like molecule oleoylethanolamide promotes sebaceous lipid synthesis.

Impairment of hair-inducing capacity of 3D-cultured human dermal papilla cells by the addition of TGF-

CXCL12 enhances migration of Multilineage-differentiating stress enduring cells (MDS) in the human hair follicle.

Both lesional and non-lesional skin from acne patients shows robust IL-17- mediated inflammation in atrophic acne scarring.

HIF1A stabilization in the human hair follicle promotes glycolysis in hair bulb cells at the hair growth phase. Implication for the role of HIF1A in the hair follicle cycle.

Nicotinic acid suppresses sebaceous lipid synthesis of human sebocytes via activating hydroxycarboxylic acid receptor 2 (HCA2).

Desmoglein-3 acts as an anti-stress protein via suppression of p53-mediated inflammation in atrophic acne scarring.

Effect of ginsenoside Rd on dermal epidermal junction in fibroblast.

Altered metabolism of elastic fibers and collagen fibers derived from TGF-ß1 activated human dermal fibroblasts.

Mapping of Wnt/ß-catenin signals during the telogen-to-anagen transition of human hair follicles.

Adipokine extract of Althaea officinalis reduces NF-κB activation and expression of retinoid and desaturizing enzymes in human keratinocyte HaCaT.

Suppression of autophagy compromises sweat secretion in aged mice.

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**Scarless healing in adult mice is achieved by delayed collagen network formation**

-**Abstract Category:** Tissue Regeneration and Wound Healing
-**Session Order:** Poster Session Only
-**Session Date & Time:** 5/18/18, 12:00 PM - 2:00 PM
-**Authors:** [Names not provided in the image]

**A soft, flexible, battery-less, and wearable pressure sensor with wireless communication for therapeutic compression garments: bench validation and preliminary in vivo testing**

-**Abstract Category:** Tissue Regeneration and Wound Healing
-**Session Order:** Poster Session Only
-**Session Date & Time:** 5/18/18, 12:00 PM - 2:00 PM
-**Authors:** [Names not provided in the image]

**Beta-adrenergic antagonist for the healing of chronic diabetic foot ulcers**

-**Abstract Category:** Tissue Regeneration and Wound Healing
-**Session Order:** Poster Session Only
-**Session Date & Time:** 5/18/18, 12:00 PM - 2:00 PM
-**Authors:** [Names not provided in the image]
Mechanoresponsive lymphocytes potentiate wound repair by regulating fibroinvasion and extracellular matrix

Role of BMNC in keratinocytes proliferation and migration: a critical regulator of wound healing

Release of glutamate promotes cell to cell communication between keratinocytes and periadnexal cells under mechanical stimulation

Effects of timolol on chronic wound gene expression

Chondrocyte-extracellular matrix enhances skin regeneration by regulation of cell gene expression

Natural history of bacterial composition in skin wounds and its relationship to healing

Ketogenic platelet-rich plasma as an effective pro-angiogenic and wound healing component of composite allogeneic sponge scaffolds

3D skin culture system as a model to assess clonal growth and spontaneous differentiation of human epidermal keratinocytes

Bone marrow-derived mesenchymal cells contribute to type I collagen production during the early stage of cutaneous wound repair

Expression of wound healing markers in neovascularization type 1

Wallaroo is needed for the class of mammal to heal with scar tissue

ICAM-1 alleviates acute skin inflammation following nitrogen mustard exposure by targeting Nrf2 signaling

Development of a primate immunocompetent organotypic 3D model as a new preclinical tool

Identification of Retain A as a potential mediator of scar formation

Subcutaneous injection of MAP scaffolds to enable inflammation control and de novo tissue generation

Pregnancy improves cutaneous wound healing through enhanced angiogenesis and cell proliferation

Subcutaneous injection of MAP scaffolds to enable inflammation control and de novo tissue generation

Fetal fibroblasts and proliferation in adult skin epithelia

Expression and function of laminin extracellular matrix in wound repair

A synthetic, flowable wound matrix that improves vascularization and

BPM31510 improves wound healing and skin integrity in epidermolysis bullosa patients

Cysteinyl leukotriene signaling promotes burn wound healing

Expression and function of wound healing markers in neovascularization type 1

Relation of BNC1 in keratinocytes proliferation and migration: a critical regulator of wound healing

Senolysis is needed for the clearance of senescent tumor cells

Role of BNC1 in keratinocytes proliferation and migration: a critical regulator of wound healing

Expression of wound healing markers in neovascularization type 1

Tissue mechanics partake in spatiotemporal patterning of wound-induced hair follicle regeneration

Mechanobiological study of keloid: from bedside to bench

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