

Annex Hall 1

DAY 2 : November 1 Free Discussion (Odd) 17:10-18:10
DAY 3 : November 2 Free Discussion (Even) 17:45-18:45

01. Alopecia Areata (Clinical)

P-001 **Complete regrowth of beard hair with ruxolitinib in an alopecia universalis patient**
 Yuval RAMOT
Hadassah - Hebrew University Medical Center, Israel

P-002 **Transplanted hair follicles and their relative resistance to alopecia areata - What does this tell us?**
 Angeline A. YONG
National Skin Centre, Singapore

P-003 **Sequential clinicopathological characterization of the response to multicycle systemic steroid pulse therapy for severe alopecia areata**
 Masahiro FUKUYAMA
Kyorin University School of Medicine, Japan

P-004 **The long-term effect of platelet-rich plasma containing drug delivery system on chronic alopecia areata: A case report**
 Megumi TAKIKAWA
New Tokyo Hospital, Japan

P-005 **Treatment of multiple alopecia areata with contact immunotherapy ; Supportive usage of oral antihistamine and topical corticosteroid**
 Maya KAGA-KAMIJO
Juntendo University Graduate School of Medicine, Japan

P-006 **Topical corticosteroids under occlusion for alopecia areata: Clinical effect and influence on intraocular pressure**
 Tomoko NOMIYAMA
Shouwa Skin Clinic, Japan

P-007 **Home-based contact immunotherapy with diphenycprone for alopecia areata is as effective and safe as hospital-based treatment**
 Solam LEE
Yonsei University Wonju College of Medicine, Korea

P-008 **Long-term prognosis of alopecia totalis and alopecia universalis, a longitudinal study with more than 10 years of follow-up**
 Yong Hyun JANG
Kyungpook National University School of Medicine, Korea

P-009 **Initiation of triamcinolone acetonide and susceptibility of immunotherapy for alopecia totalis with body hair loss**
 Takashi YOSHIMASU
Wakayama Medical University, Japan

P-010 **Treatment of severe alopecia areata with tofacitinib: A case series**
 Hyun Sun PARK
SMG-SNU Boramae Medical Center, Korea

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P-011	Evaluation of the efficacy of intermittently administered corticosteroid at medium dose in patients with alopecia areata Motoko AYABE <i>Yokohama City University, Japan</i>
P-012	A candidate botanical cutaneous solution for the treatment of alopecia areata (AA) in pediatric population Saad HARTI <i>Legacy Healthcare, Switzerland</i>
P-013	Primary cicatricial alopecia: An unclassified case Mizuki GOTO <i>Faculty of Medicine, Oita University, Japan</i>
P-014	Histopathologic features of alopecia areata Bark Lynn LEW <i>KyungHee University, Korea</i>
P-015	Simvastatin/ezetimibe therapy for recalcitrant alopecia areata: Efficacy and prognosis Bark Lynn LEW <i>KyungHee University, Korea</i>
P-016	Can botulinum toxin type A injection be used for alopecia areata treatment? Rattapon THUANGTONG <i>Siriraj Hospital, Thailand</i>
P-017	Seasonal relapse of alopecia areata: A model for environmental triggering Gordon I. HALE <i>Sheffield Teaching Hospitals NHS Foundation Trust, United Kingdom</i>
P-018	A case of diffuse alopecia areata mimicking female pattern hair loss Keiko INUI <i>Tokyo Medical and Dental University, Japan</i>
P-019	Health-related quality of life in severe alopecia areata is improved with successful treatment of disease Lucy LIU <i>Yale University School of Medicine, United States</i>
P-020	Efficacy of topical diphenylcyclopropenone maintenance treatment for patients with alopecia areata: A retrospective study Won Soo LEE <i>Yonsei Wonju University, Korea</i>
P-021	Subclinical sensitization of diphenylcyclopropenone is sufficient for the treatment of alopecia areata Won Soo LEE <i>Yonsei Wonju University, Korea</i>
P-022	A new classification of alopecia areata Based on risk stratification by subtype and extent of hair loss: LEE classification Young Bin LEE <i>Yonsei University Wonju College of Medicine, Korea</i>
P-023	Our operative technique for follicular unit extraction Masami SAITO <i>Shinwa Clinic Shinjuku, Japan</i>

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P-024

Retrospective review of stress as a trigger for hair loss in patients diagnosed with alopecia areata seen in a specialty alopecia clinic

Lauren R. PENZI
Massachusetts General Hospital, United States

DAY 2

P-025

A case of alopecia areata multiplex after injecting an autologous dermal micro-graft for treatment of androgenetic alopecia

Susumu TOSHIMA
Keio University, Japan

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P-026

Three cases of alopecia areata and myasthenia gravis

Yohei NATSUAKI
Kurume University School of Medicine, Japan

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P-027

A case of alopecia totalis treated with 308-nm excimer and 311-nm titanium: Sapphire laser

Jihae LEE
The Catholic University of Korea, Korea

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P-028

The efficacy of steroid pulse therapy in 80 patients with severe alopecia areata in Kurume University

Takako SHINTANI
Kurume University School of Medicine, Japan

P-029

Treatments of pediatric alopecia areata in Nagoya City University Hospital

Emi NISHIDA
Nagoya City University, Japan

P-030

Efficacy of topical occlusion with potent corticosteroids in children with severe type of alopecia areata

Yanting YE
The First Affiliated Hospital, Sun Yet-sen University, China

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P-031

Multiple application of intramuscular compound betamethasone in the treatment of alopecia areata

Yanting YE
The First Affiliated Hospital, Sun Yet-sen University, China

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P-032

Non-ablative fractional laser as an emerging treatment for alopecia areata

Ana Carina JUNQUEIRA BERTIN
Clinica Groenlandia 462, Brazil

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P-033

Treatment of severe alopecia areata with the oral Janus kinase inhibitor, tofacitinib citrate: The Cleveland clinic experience

Wilma F. BERGFELD
Cleveland Clinic Foundation, United States

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Evaluation of metal allergy in patients with alopecia areata

Junko HATTORI
Kyoto Prefectural University of Medicine, Japan

P-035

Nonablative fractional laser for treatment of alopecia totalis

Tsung Hua TSAI
Ferrari Skin and Hair Clinic, Taiwan



02. Alopecia Areata (Research)

P-036	<p>Desensitization of dust mite in modifying relapse and disease duration of alopecia areata in allergic individuals</p> <p>Zi Xun ZENG <i>First Affiliated Hospital of Kunming Medical School, China</i></p>
P-037	<p>Correlation of hair cycle with local inflammatory infiltration in localized and diffuse subtypes of alopecia areata</p> <p>Yunxia LING <i>Sun Yat-Sen University, China</i></p>
P-038	<p>Clinical significance of serum cold-inducible RNA-binding protein in alopecia areata</p> <p>Young LEE <i>Chungnam National University, Daejeon, Korea</i></p>
P-039	<p>A new mouse model for alopecia areata induced by activation of innate immunity</p> <p>Young LEE <i>Chungnam National University, Daejeon, Korea</i></p>
P-040	<p>Hair growth-promoting and molecular regulation of <i>Salvia plebeia</i> R.Br. extract in human dermal papilla cell</p> <p>Yilin ZHANG <i>Chung-Ang University, Korea</i></p>
P-041	<p>SIRT1 activation ameliorates inflammation in the outer root sheath cells of hair follicles</p> <p>Jin PARK <i>Chonbuk National University Medical School, Korea</i></p>
P-042	<p>Quantitative clinicopathological image analyses identify poor prognostic factors for systemic steroid pulse therapy in acute alopecia areata</p> <p>Yohei SATO <i>Kyorin University School of Medicine, Japan</i></p>
P-043	<p>This abstract is about the analysis of the frequency distribution of polymorphism TNF-α gene among patients with alopecia areata</p> <p>Fatima V. AZIMOVA <i>Republican Specialized Scientific and Practical Center of Dermatology and Venereology, Uzbekistan</i></p>
P-044	<p>The effect of human mesenchymal stem cell therapy on <i>in vitro</i> model of alopecia areata</p> <p>Jung Eun KIM <i>The Catholic University of Korea, St. Paul's Hospital, Korea</i></p>
P-045	<p>Evaluations of relationship between alopecia areata and sleep disorder through questionnaire</p> <p>Hyojin KIM <i>Inje University, Korea</i></p>
P-046	<p>Distribution of microscopic change of pulled-out hair in alopecia areata patient</p> <p>Hyojin KIM <i>Inje University, Korea</i></p>

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P-047

Three-microneedle device decreases the pain with intralesional steroid therapy for alopecia areata

Shogo TAKAHASHI
Nihon University, Japan

DAY 2

P-048

Follicular unit extraction in cicatricial alopecia

Alex GINZBURG
Israel

DAY 3

P-049

Light-emitting diode antagonize the IFN- γ -induced inhibitory effects on human dermal papilla cells through JAK-STAT pathway

Jung Eun KIM
The Catholic University of Korea, St. Paul's Hospital, Korea

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P-050

Epigallocatechin-3 gallate inhibits MHC expression: A potential mechanism to restore hair follicle immune privilege in alopecia areata

Andrew G. MESSENGER
University of Sheffield, United Kingdom

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P-051

A complex extract of acanthopanax koreanum and crinum asiaticum promotes hair growth

Guang Jin IM
Sam Chung Dang Pharm. Co., Ltd, Korea

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P-052

The effect of cutaneous cryotherapy on hair cycle

Yukari MIZUKAMI
Osaka City University Graduate School of Medicine, Japan

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P-053

Quality of life in Korean patients with alopecia areata : A multicenter questionnaire-based study

Gwang Seong CHOI
Inha University, Korea

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P-054

Alopecia areata and overt thyroid diseases: A nationwide population-based study in Korea

Tae Young HAN
Eulji General Hospital, Eulji University, Korea

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P-055

Future prospects for the diagnostic study of IL-17 in alopecia areata

Yuliya OVCHARENKO
V.N. Karazin Kharkiv National University; Institute of Trichology, Ukraine

03. Androgenetic Alopecia

P-056

Minoxidil dose response study in female pattern hair loss patients determined to be non-responders to 5% topical minoxidil

Andy O. GOREN
University of Rome ("G. Marconi"), United States

P-057

A study of low-level light therapy for the treatment of androgenetic alopecia in Thai patients

Poonkiat SUCHONWANIT
Ramathibodi Hospital, Mahidol University, Thailand



P-058	<p>Prescription preferences of Spanish dermatologists for treating patients with androgenetic alopecia in 2017: A cross-sectional study</p> <p>Sergio VANO-GALVAN Ramon y Cajal Hospital, University of Alcalá, Madrid, Spain</p>
P-059	<p>High-resolution MRI demonstrates association of scalp thickness with progression of androgenetic alopecia in 28 Japanese males</p> <p>Taro KOYAMA Men's Health Clinic Tokyo, Japan</p>
P-060	<p>Efficacy and tolerability of a combined topical treatment (CRLAB) in male and female androgenetic alopecia: An open Italian study</p> <p>Bianca Maria PIRACCINI University of Bologna, Italy</p>
P-061	<p>Androgenetic alopecia treated with intralesional finasteride, triamcinolone and growth factors, associated with fractional laser application</p> <p>Ana Carina JUNQUEIRA BERTIN Clinica Groenlandia 462, Brazil</p>
P-062	<p>Social selection favors offspring prone to the development of androgenetic alopecia</p> <p>Maja KOVACEVIC Clinical Hospital Center Sestre Milosrdnice, Croatia</p>
P-063	<p>Combination of fractional CO₂ laser therapy and hair growth factors enhance hair growth for male androgenetic alopecia</p> <p>Lin Feng ZHUO Capital Medical University, China</p>
P-064	<p>Study on the role of DDX5 in human hair follicular dermal papilla cells</p> <p>Minkyu KIM Kyungpook National University, Korea</p>
P-065	<p>Testosterone-GPRC6A-Duox1 axis stimulates H₂O₂ production leading to apoptosis of hair follicle cells</p> <p>K. Nara PARK Ewha Womans University, Korea</p>
P-066	<p>Trichopigmentation is one of the decisions for androgenetic alopecia</p> <p>Djamila K. PULATOVA Republican specialized research and practical medical center of dermatology and venereology, Hair transplant department, Uzbekistan</p>
P-067	<p>Quality of life with alopecia areata versus androgenetic alopecia assessed using hair specific skindex-29</p> <p>Young Bin LEE Yonsei University Wonju College of Medicine, Korea</p>
P-068	<p>Transplantation of cell enriched adipose tissue for follicular stimulation in early androgenetic alopecia: A randomized, controlled trial</p> <p>Eric J. DANIELS Kerastem Technologies, United States</p>
P-069	<p>Phase II study to evaluate efficacy and safety of pyrrolidinyl diaminopyrimidine oxide (PDPO) topical solution for androgenic alopecia</p> <p>Maria Abril MARTINEZ Universidad Nacional Autonoma de Mexico, Mexico</p>

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Characterisation of immortalized human balding and non-balding dermal papilla cells

Jordan A. LEE
Queen Mary University of London, United Kingdom

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P-071

The efficacy of finasteride in women patients with female pattern hair loss: A meta-analysis

Woo Young SIM
Kyung Hee University Hospital at Gang-dong, Korea

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A new topical WNT /beta-catenin activator in the treatment of men with male pattern hair loss

Antonella TOSTI
University of Miami, United States

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Natural inhibitors of *in vitro* 5-alpha reductase in male hair follicle dermal papilla cells

Alison D. PAWLUS
Estee Lauder Companies, United States

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P-074

A combination of fractional 1,927 nm thulium fiber laser and platelet-rich plasma in the treatment of male and female androgenetic alopecia

Ratchathorn PANCHAPRATEEP
Chulalongkorn University, King Chulalongkorn Memorial Hospital, Thailand

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A near-infrared light device stimulated hair growth by enhancing blood flow and dermal papilla cell activity

Takehiro NAKAGAWA
Panasonic Corporation, Japan

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P-076

Clinical study of male pattern hair loss patients during ten years (2007-2016)

Byung In RO
Seonam University College of Medicine, Goyang, Korea

Room C-2

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Long-term efficacy and tolerability of 1mg finasteride daily administration in the treatment of androgenetic alopecia: Over 5-year follow-up

Jung Won SHIN
Seoul National University Bundang Hospital, Korea

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The effectiveness of treatments for androgenetic alopecia: A network meta-analysis

Kejia WU
Fudan University, China

P-079

A proposal of an effective platelet-rich plasma (PRP) protocol for the treatment of androgenetic alopecia

Juan FERRANDO
Hospital Clinic, University of Barcelona, Spain

04. Diagnostic Technics : Trichoscopy etc.

P-080

Trichoscopy of steroid-induced atrophy

Rodrigo PIRMEZ
Santa Casa da Misericórdia do Rio de Janeiro, Brazil



P-081	A new three-part photographic assessment of patients with female pattern hair loss Ryuichiro KUWANA <i>Kuwana Dermatology Clinic, Japan</i>
P-082	Normal trichoscopy values for Chinese population Michal KASPRZAK <i>TrichoLAB, Poland</i>
P-083	Use of a generic USB microscope for diagnosis of hair loss disorders Yoshihiro YASUDA <i>Men's Health Clinic Tokyo, Japan</i>
P-084	The trichoscopy derived Sinclair scale - enhancing visual assessment through quantitative trichoscopy Rod D. SINCLAIR <i>University of Melbourne, Australia</i>
P-085	Role of dermoscopy in diagnosing trichotillomania: A case series Anesia T. ICKSAN <i>Universitas Indonesia, Indonesia</i>
P-086	Evaluation method for hair elasticity changing by aging and hair care products using shape retention force Hyeokgon PARK <i>Amorepacific R&D Unit, Korea</i>
P-087	Chemotherapy-induced alopecia (CIA): RCM and thricoscopic features Gabriella FABBROCINI <i>University of Naples Federico II, Italy</i>
P-088	Analysis of hair growth using dermoscopy and trichoscale in androgenetic alopecia and female pattern hair loss Chenyu ZHU <i>Peking Union Medical College Hospital, China</i>

05. Female Pattern Hair Loss

P-089	Effects of a topical hair growth promoter containing 5% nanoxidil on hair shedding in women with early FPHL Antonella TOSTI <i>University of Miami, United States</i>
P-090	Chicken (a precocial bird) hair biology leads to development of a novel hair growth peptide (HGP) that improves hair growth in FPHL Toshio NAKAMURA <i>Pharmafoods International Co. Ltd., Japan</i>

06. Genetics

P-091	Hair analysis for Japanese patients with Hermansky-Pudlak syndrome type 1, 4, 6, and 9 Ken OKAMURA <i>Yamagata University Faculty of Medicine, Japan</i>
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P-092

Strikingly predominance of *LIPH* founder mutations in autosomal recessive woolly hair and hypotrichosis in Japan

Kana TANAHASHI
Nagoya University Graduate School of Medicine, Japan

DAY 2

P-093

Azathioprine-induced anagen effluvium and leukopenia associated with *NUDT15* polymorphisms

Hisashi NOMURA
Keio University School of Medicine, Japan

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P-094

Cicatricial alopecia in a girl with conradi-hünemann syndrome

Maria Fernanda R. GAVAZZONI
Universidade Federal Fluminense, Brazil

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P-095

Analysis of genotype-phenotype correlations in autosomal recessive woolly hair/ hypotrichosis in 70 Japanese patients

Rei YOKOYAMA
Niigata University, Japan

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P-096

Lichenoid folliculitis of the scalp in three cicatricial alopecia patients with lamellar ichthyosis

Maria Fernanda R. GAVAZZONI
Universidade Federal Fluminense, Brazil

P-097

Clinical and genetic analysis of four families with monilethrix and literature review

Lanqin FU
Peking Union Medical College Hospital, China

07. Hair and Regenerative Medicine

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P-098

New functional protein, HARE. Enhances hair regeneration through the proliferation, survival and activation of dermal papillae cells

Dongku KIM
Nuri Science Inc., Korea

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P-099

Vascular stroma stem cells transplantation technique in trichology

Anna KHALDIEIEVA
Bogomolets National Medical University, Ukraine

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P-100

Korean native plants: The potential treatment resources for hair loss

Wookju JANG
Skin Science Research Institute, Kolmar, Korea

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Conditioned medium of *Agrobacterium tumefaciens* promotes hair growth in obese mice

Takeo MINEMATSU
The University of Tokyo, Japan

P-102

Novel skin chamber for rat ischemic flap studies in regenerative wound repair

Tzu Chieh Cathy HUANG
National Cheng Kung University, Taiwan

P-103

Therapeutic effects of growth factor cocktail including fibroblast growth factor 9 in patients with androgenetic alopecia

Byung In RO
Seonam University College of Medicine, Goyang, Korea



P-104

The new idea of controlled release PRP for pattern hair loss

Minoru ARAKAKI

Arakaki Plastic Surgery, Japan

P-105

Taflopust, a prostaglandin F2 α analog, has therapeutic potential for alopecia

Kahori KINOSHITA

The University of Tokyo, Japan

P-106

Effect of a combination of pidoxidil and IP-PA1 on growth of human and murine hair

Koji WAKAME

Hokkaido Pharmaceutical University School of Pharmacy, Japan

P-107

Characterising the role of dermal hedgehog signalling in hair follicle regeneration

Wei Meng WOO

Nanyang Technological University, Singapore

08. Hair Disease and Endocrinology

P-108

A clinical trial to assess the efficacy and safety of new-formula shampoo for seborrheic dermatitis

Yang Won LEE

Konkuk University School of Medicine, Korea

P-109

Analysis of hair and serum zinc levels in hair loss

Sang Seok KIM

Hallym University Kangdong Sacred Heart Hospital, Korea

P-110

A case of trichorrhexia nodosa associated with low ceruloplasmin level

Jiehyun JEON

Korea University College of Medicine, Korea

09. Hair Follicle Biology

P-111

Decorin controls hair follicle cycle by regulating TGF- β 2/smad signaling

Lijuan ZHOU

Zhejiang University, China

P-112

Transcription factor KROX20 marks hair shaft progenitor cells that create an SCF-dependent niche for hair pigmentation

Chung Ping LIAO

University of Texas Southwestern Medical Center, United States

P-113

Gene expression profiling of the intact dermal sheath cup of human hair follicles

Shiro NIIYAMA

Toho University Ohashi Medical Center, Japan

P-114

Effects of *Aloe arborescens* (*Kidachi aloe*) on hair growth *in vivo* and *in vitro*

Risako OKAZAKI

Kobayashi Pharmaceutical Co., Ltd., Japan

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The grateful dead: Sequential nuclear and organelle destruction during hair development

Michael G. DAVIS
Procter and Gamble, United States

DAY 2

P-116

Investigation of mechanoregulation in cultured human dermal papilla cells involved in minoxidil-induced hair growth

Hiroya TAKADA
Nippon Medical School Graduate School of Medicine, Japan

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P-117

BMP signaling regulation of melanogenesis, pigment transfer and melanocyte migration

Wee Han Jamien LIM
Nanyang Technological University, Singapore

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A differentiation induction from human hair follicle bulge neural crest stem cells into melanocyte precursors by BMP-4 and a-MSH treatment

Ho Jin KIM
College of Medicine, University of Dong-A, Korea

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P-119

Platelet-derived growth factor (PDGF)-AA promotes hair growth on human follicles *in vitro*

Hyun Sik JEONG
Kyungpook National University, Korea

P-120

TGF- β 1 induces apoptosis of human follicular keratinocytes *via* regulation of mitochondrial reactive oxygen species production

Solam LEE
Yonsei University Wonju College of Medicine, Korea

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P-121

Ultraviolet radiation alters lipid metabolism in human hair follicle

Long Quan PI
Institute of Hair and Cosmetic Medicine, Yonsei University Wonju College of Medicine, Korea

P-122

Hair follicle regeneration: Modulation of markers syntheses by dermal papilla cells

Daniel ABERDAM
Inserm U976, France

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P-123

Perifollicular macrophage number and function changes during human hair follicle remodelling: A role for macrophages in hair growth control?

Jonathan A. HARDMAN
The Centre for Dermatology Research, University of Manchester, MAHSC, and National Institutes of Health Biomedical Research Center, Manchester, United Kingdom

Room C-2

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Nrf2 role in regulating Dkk-1 expression in human hair follicles

Laura JADKAUSKAITE
Centre for Dermatology Research, University of Manchester, MAHSC and NIHR Manchester Biomedical Research Centre, Manchester, United Kingdom

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Nrf2 inhibits the activation and modulates gene expression profile and secretory phenotype of human mast cells *in vitro* and *in situ*

Laura JADKAUSKAITE
Centre for Dermatology Research, University of Manchester, MAHSC and NIHR Manchester Biomedical Research Centre, Manchester, United Kingdom

P-126

Cell cycle effects of CDK1 inhibition in the human hair follicle matrix

Talveen S. PURBA
University of Manchester, United Kingdom



P-127	Effects of adiponectin on the neofolliculogenesis of newborn mouse dermal cells Jebyeong CHAE <i>Seoul National University Bundang Hospital, Korea</i>
P-128	Biological effects of electrical epilation on human hair follicles and perifollicular skin ex vivo Marta BERTOLINI <i>University of Muenster, Germany</i>
P-129	Investigation into the role of HIF1A stabilisation in hair follicle metabolism Kous F. SHAH <i>Queen Mary University of London, United Kingdom</i>
P-130	Is the ORS the 'powerhouse' of the hair follicle? Understanding glycogen metabolism and the cori cycle in human hair follicle biology Katarzyna N. FIGLAK <i>Blizard Institute, Queen Mary University of London, United Kingdom</i>
P-131	Local cortisol activation in keratinocytes influences on mouse hair cycle Mika TERAOKA <i>Osaka University Graduate School of Medicine, Japan</i>
P-132	Identification of botanically derived FGF5 inhibiting compounds using <i>in vitro</i> methods Dominic BURG <i>Cellmid Limited, Australia</i>
P-133	Hydrogen peroxide suppresses hair growth through downregulation of β-catenin Jungyoon OHN <i>College of Medicine, Seoul National University, Korea</i>
P-134	A multi-scale model for hair follicles reveals skin-wide landscapes of hair regeneration Ji Won OH <i>Kyungpook National University School of Medicine, Korea</i>
P-135	Gene expression profiling of the dermal sheath cup cells of human hair follicles Yumiko ISHIMATSU-TSUJI <i>Shiseido Global Innovation Center, Japan</i>
P-136	A cell polarity protein, aPKCλ, regulates hair follicle regeneration after wounding Shin-Ichi OSADA <i>Akita University Graduate School of Medicine, Japan</i>
P-137	Panax ginseng extract antagonizes the effect of DKK-1-induced catagen-like changes on hair follicle Yongjoo NA <i>Amorepacific R&D Center, Korea</i>
P-138	Green tea (<i>Camellia sinensis</i>) stem cell extract inhibits hair loss and promote synthesis of collagen in scalp tissue Yongjoo NA <i>Amorepacific R&D Center, Korea</i>

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Recombinant fibroblast growth factor-13 prolongs the telogen phase through its cellular internalization

Fumiaki NAKAYAMA

National Institutes for Quantum and Radiological Science and Technology, Japan

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WITHDRAWN

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P-141

Adipogenic and osteogenic inducers promote expression of dermal papilla-specific genes in mesenchymal cells

Taheruzzaman KAZI

United Graduate School of Agricultural Science, Tottori University, Japan

DAY 3

P-142

Watercress extract upregulates the expression of R-spondin1 and the activity of ALP

Masakazu HASHIMOTO

Ichimaru Pharcos Co., Ltd., Japan

DAY 4

P-143

The role of cytoglobin as the fourth member of the globin family in hair melanogenesis

Koji SUGAWARA

Osaka City University Graduate School of Medicine, Japan

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P-144

5-Fluorouracil induce growth inhibition in dermal papilla cells by regulation of the level of β -catenin and FGF-7/-10

Hee Kyoung KANG

Jeju National University, Korea

P-145

Defining the molecular signature of the hair follicle dermal sheath and its functional requirement for hair cycle progression during catagen

Nicholas HEITMAN

Icahn School of Medicine at Mount Sinai, United States

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Polycomb component histone methyltransferase EZH2 is required for human hair follicle growth

Andrei MARDARYEV

University of Bradford, United Kingdom

10. Hair Follicle Morphology and Cosmetology

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**What makes curvature in hair and wool?
The relationship between cortical cells and curvature in merino wool**

Kenzo KOIKE

Kao Corporation, Japan

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P-148

Formation of hair lipid barrier in human hair follicles according to the hair keratinization

Long Quan PI

Institute of Hair and Cosmetic Medicine, Yonsei University Wonju College of Medicine, Wonju, Korea

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Epidermal morphology in dandruff scalp skin

Ranjit K. BHOGAL

Unilever R&D Colworth, United Kingdom

P-150

Measuring damage to hair fibres post exposure to chemical treatments

Naima ALI

Imperial College London, United Kingdom



P-151	Effect of biothymus AC active on hair loss in telogen effluvium: Results of an open-label, pilot study Colombina VINCENZI <i>Private Hospital Nigrisoli, Italy</i>
P-152	Efficacy and safety of <i>Pulsatilla chinensis</i> extract for chronic telogen effluvium Jeong In JAE <i>CHA Bundang Medical Center, CHA University, Korea</i>
P-153	A new anti-aging treatment for scalp and hair Sabine PAIN <i>BASF Beauty Care Solutions, France</i>
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Harunosuke KATO
Luce Clinic Ginza, Japan

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Rodrigo PIRMEZ
Santa Casa da Misericórdia do Rio de Janeiro, Brazil

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Meena K. SINGH
KMC Hair Center, United States

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Ariana N. EGINLI
Wake Forest Baptist Medical Center, United States

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Hiroko SASANO
Juntendo University Graduate School of Medicine, Japan

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Bianca Maria PIRACCINI
University of Bologna, Italy

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Teruki DAINICHI
Kyoto University Graduate School of Medicine, Japan

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Athena J. MANATIS-LORNELL
Massachusetts General Hospital, United States

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Amy J. MCMICHAEL
Wake Forest School of Medicine, United States

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Amy J. MCMICHAEL
Wake Forest School of Medicine, United States

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Paradi MIRMIRANI
The Permanente Medical Group, United States

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Su Kyung PARK
Chonbuk National University Hospital, Korea



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Yolanda M. LENZY
University of Connecticut Health Sciences, United States

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Tatsuo MAEDA
Tokyo Medical University, Japan

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Seung Hwan PAIK
Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

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High mobility group protein B2 (HMGB2) deficient mice develop increased ionizing radiation-induced hair graying by deteriorating DNA damage

Nobuhiko TAGUCHI
Hoyu Co., Ltd., Japan

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Yukiteru OUJI
Nara Medical University, Japan

14. Tissue Engineering using Hair Follicle Cells

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Yoriko NAKAGIRI
Kao Corporation, Japan

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Tatsuto KAGEYAMA
Yokohama National University, Japan

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Gerd LINDNER
University for Technologies Berlin, Germany

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MiHee KWACK
School of Medicine, Kyungpook National University, Korea

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Chisa YOSHIMURA
Yokohama National University, Japan



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Masako M. HORI
Asahikawa Medical University, Japan

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Juhee CHO
Center for Clinical Epidemiology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea

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Nekma MEAH
St. Helens and Knowsley Teaching Hospitals NHS Trust, United Kingdom

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Lin Feng ZHUO
Capital Medical University, China

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Yu Pu CHU
The Institute of Basic Medical Sciences, National Cheng Kung University, Taiwan

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Byung Cheol PARK
Dankook Medical College, Korea

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Shuliang ZHANG
Unilever, United States

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Takashi ITOU
Kao Corporation, Japan

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Yujae HYUN
Jeju National University, Korea

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Tomohiro SHIRASAWA
HS Clinic, Japan

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Suna KIM
HBO Research Institute, Amorepacific R&D Center, Korea

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Improving hair shaft moisturizing effect using arginine, hyaluronic acid and macadamia nut oil

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Daniela GUZMAN-SANCHEZ
Universidad de Guadalajara, Mexico



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Jee Hye OH

St. Pauls Hospital, College of Medicine, The Catholic University of Korea, Korea

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Promotion effects of fermented fish oil on the hair growth

Jung Il KANG

Jeju National University, Korea

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Study on efficacy and safety of hair growth reduction with intense pulsed light (IPL)

Masako YAMASAKI

Panasonic Corporation, Appliances Company, Japan

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Kyuseok KIM

Kyung Hee University, Korea

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