

DAY 1 (Tuesday, October 31)

Annex Hall 2

13:30-16:30 Learning Course for Residents and Beginners

Chair: Shigeki INUI (*Osaka University Graduate School of Medicine, Japan*)
 Co-chairs: Taisuke ITO (*Hamamatsu University School of Medicine, Japan*)
 Yutaka SHIMOMURA (*Yamaguchi University Graduate School of Medicine, Japan*)

LC-1 Structure of the hair follicle: It is beautiful, but a little bit complicated

Yutaka SHIMOMURA
Yamaguchi University Graduate School of Medicine, Japan

LC-2 Genetic regulators of hair follicle development and cycling

Claire HIGGINS
Imperial College London, United Kingdom

LC-3 Alopecia areata

Taisuke ITO
Hamamatsu University School of Medicine, Japan

LC-4 Primary cicatricial alopecias (PCA)

Matthew HARRIES
The University of Manchester, Salford Royal NHS Foundation Trust, Manchester, United Kingdom

LC-5 Congenital hair disorders

Mazen KURBAN
American University of Beirut, Lebanon

LC-6 Update on the post-finasteride controversy

Kenneth WASHENIK
New York University School of Medicine, United States

LC-7 Styling without shedding: Novel topical formula reduces hair shedding by contracting the arrector pili muscle

Andy GOREN
University of Rome ("G. Marconi"), Italy

16:30-17:00 **Coffee Break**

17:00-17:40 **Opening Ceremony**

Moderators: Hideoki OGAWA, Ryoji TSUBOI, Satoshi ITAMI, Manabu OHYAMA

17:40-18:10 Special Lecture

Chair: Kensei KATSUOKA (*Emeritus professor, Kitasato University, Japan*)

SL Cultural history of the Japanese hair style

Rieko OHARA
Sodotseihou Kimono College, Japan

Annex Hall 1

18:30-20:00 **Welcome Reception**

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DAY2 (Wednesday, November 1)

Annex Hall 2

9:00-10:30 Concurrent Session 1

Stem Cells and the Niche

Chair: Emi K. NISHIMURA (*Tokyo Medical and Dental University, Japan*)
 Co-chairs: Mayumi ITO (*The Ronald O. Perleman, New York University School of Medicine, United States*)
 George COTSARELIS (*Milton B. Hartzell Professor and Chairman, University of Pennsylvania, Perelman School of Medicine, United States*)

Keynote
Speaker

CS1-1 Reciprocal interactions between epidermal stem cells and their environment

Hironobu FUJIWARA
 RIKEN Center for Developmental Biology, Japan

CS1-2 Would healing and hair follicle regeneration

Mayumi ITO
 The Ronald O. Perleman Department of Dermatology, Department of Cell Biology, United States

CS1-3 Regulation of the hair follicle stem cell niche during hair growth, pigmentation and ageing

Carlos CLAVEL
 A*Star Institute of Medical Biology, Singapore

10:30-10:40 Coffee Break

10:40-11:40 Plenary Session 1

Clinical

Chair: Ryoji TSUBOI (*Tokyo Medical University, Japan*)
 Co-chairs: Maria HORDINSKY (*University of Minnesota, Minneapolis, Minnesota, United States*)
 Abraham ZLOTOGORSKI (*Hadassah-Hebrew University Medical Center, Israel*)

PS1-1 The role of sunscreen and facial skin care products in frontal fibrosing alopecia

William C. CRANWELL
 Sinclair Dermatology, Victoria, Australia

PS1-2 Clinical evaluation of FGF5 inhibiting formulations for the treatment of hair loss in women and men

Dominic BURG
 Cellmid Limited, Australia

PS1-3 Folliculitis decalvans: A clinicopathological study of thirty-two cases

Masaki UCHIYAMA
 Tokyo Medical University, Japan

PS1-4 Comparison of the treatment outcome of oral tofacitinib with other conventional therapies in extensive refractory alopecia areata

Jung Won SHIN
 Seoul National University Bundang Hospital, Korea

PS1-5 Alopecia areata like pattern: A histopathological pitfall in both diffuse and patchy alopecia

Curtis T. THOMPSON
 Oregon Health & Sciences University, United States

11:40-12:05 EHRS John Ebling Award

Chair: Abraham ZLOTOGORSKI (*President of European Hair Research Society, Hadassah-Hebrew University Medical Center, Israel*)

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12:15-13:15 Luncheon Seminar 1

Sponsored by Aderans Company Limited

Chair: Satoshi ITAMI (*Osaka University Graduate School of Medicine, Japan*)
 Co-chair: Valerie RANDALL (*Centre for Skin Sciences, University of Bradford, United Kingdom*)

LS1-1 Prostaglandins and androgenetic alopecia

George COTSARELIS
University of Pennsylvania, United States

LS1-2 Revisiting the Warburg effect and the importance of hair follicle metabolism in health and disease

Mike PHILPOTT
Centre for Cell Biology and Cutaneous Research, Blizard Institute Barts and The London School of medicine and Dentistry, Queen Mary College London, United Kingdom

13:20-14:30 Keynote Lecture 1

Chair: Hideoki OGAWA (*CEO Juntendo University, Japan*)
 Co-chairs: Won Soo LEE (*Department of Dermatology, Yonsei Wonju University, Korea*)
 Rodney D. SINCLAIR (*University of Melbourne, Epworth Hospital and Sinclair Dermatology, Australia*)

KL1-1 Dissecting the hair follicle dermal stem cell lineage towards understanding their role in hair growth and hair loss

Jeff BIERNASKIE
University of Calgary, Canada

KL1-2 Stem cells orchestrate hair follicle aging program

Emi K. NISHIMURA
Tokyo Medical and Dental University, Japan

14:30-16:00 Concurrent Session 2

Androgenetic Alopecia

Chair: Shigeki INUI (*Osaka University Graduate School of Medicine, Japan*)
 Co-chairs: Gwang Seong CHOI (*Department of Dermatology, Inha University College of Medicine, Korea*)
 Annika VOGT (*Clinical Research Center for Hair and Skin Science, Department of Dermatology, Charite-University Medicine Berlin, Germany*)

Keynote Speaker

CS2-1 Exploring androgen signaling axis in androgenetic alopecia

Shigeki INUI
Osaka University Graduate School of Medicine, Japan

CS2-2 Recent update on the treatment of androgenetic alopecia

Gwang Seong CHOI
Inha University, Korea

CS2-3 Post-finasteride syndrome

Ramon GRIMALT
Universitat Internacional de Catalunya, Spain

CS2-4 Proteomic analysis in dermal papilla (DP) from male androgenetic alopecia (AGA) after treatment with low level laser therapy

Ratchathorn PANCHAPRATEEP
Chulalongkorn University, King Chulalongkorn Memorial Hospital, Thailand

CS2-5 Topical application of siRNA against androgen receptor for treatment of androgenic alopecia and female pattern of hair loss

Elena FEINSTEIN
Quark Pharmaceuticals, United States

CS2-6 Long-term efficacy of finasteride in 801 Japanese men with androgenetic alopecia

Toshihiro YOSHITAKE
Kitasato University School of Medicine, Japan

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16:10-17:10 Afternoon Seminar

Sponsored by MSD K.K.

Up to Date of Hair Science

Chair: Taisuke ITO (*Hamamatsu University School of Medicine, Japan*)

AS-1 Strategies to promote vellus-to-terminal reconversion: Concepts & perspectives

Ralf PAUS

University of Manchester, United Kingdom

AS-2 Ten-year efficacy of finasteride in 105 Japanese men with androgenetic alopecia

Akio SATO

Department of Regenerative Plastic Surgery, Kitasato University School of Medicine, Japan

Room C-1

9:00-10:30 Concurrent Session 3

Alopecia Areata (Research)

Chair: Taisuke ITO (*Hamamatsu University School of Medicine, Japan*)

Co-chairs: Yuval RAMOT (*Center for Genetic Diseases of the Skin and Hair, Hadassah-Hebrew University Medical Center Jerusalem, Israel*)

Bianca Maria PIRACCINI (*University of Bologna, Italy*)

CS3-1 Preclinical evaluation of new therapies for alopecia areata using cell-transferred C3H/HeJ mouse model

Eddy Hsi Chun WANG

Columbia University, United States

Keynote
Speaker

CS3-2 TCR analysis of single human intralesional CD8⁺ T-cells as first step towards the identification of pathogenic antigen(s) in alopecia areata

Marta BERTOLINI

University of Muenster, Germany

CS3-3 Resident dermal $\gamma\delta 1^+$ T-cells operate as autoimmunity-promoting stress-sentinels in human skin: Relevance for alopecia areata

Youhei UCHIDA

University of Muenster, Germany

CS3-4 Identification of autoantigens in the mouse model of alopecia areata

Christina I. TEJEDA

Columbia College of Physicians and Surgeons, United States

CS3-5 Alopecia density and extent (ALODEX) score, a method for the assessment of hair loss in alopecia areata

Elise A. OLSEN

Duke University Medical Center, United States

10:30-10:40 Coffee Break

12:15-13:15 Luncheon Seminar 2

Sponsored by Unilever

Exploring Dandruff & Scalp Health: A Comprehensive Approach

Chair: Luis A. GARZA (*Johns Hopkins University, United States*)

LS2-1 Dandruff and seborrheic dermatitis: Distinct causes for concern?

Luis A. GARZA

Johns Hopkins University, United States

LS2-2 Microbes and dandruff: Emerging understanding

Cheri CHU

Unilever R&D Shanghai, China

LS2-3 Technical approaches to controlling dandruff

Luisa COLLINS

Unilever R&D Port Sunlight, United Kingdom

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14:30-16:00 Concurrent Session 4

Hair Follicle Morphology and Cosmetology

Chair: Jiro KISHIMOTO (*Shiseido Global Innovation Center Regenerative Medicine Research, Japan*)
 Co-chairs: Ohsang KWON (*Department of Dermatology, Seoul National University College of Medicine, Korea*)
 Leslie JONES (*University of Melbourne, Department of Medicine, St. Vincent's Hospital, Melbourne, Australia*)

Keynote Speaker

CS4-1 Hair cosmetics and ethnicity: Unveiling the secrets

Maria Fernanda R. GAVAZZONI
Universidade Federal Fluminense, Brazil

CS4-2 Characteristic structure of curved human hair and technology to relax the curved hair shape

Shinobu NAGASE
Kao Corporation, Japan

CS4-3 Hair in different ethnicities

Norma Elizabeth VAZQUEZ-HERRERA
Tecnologico de Monterrey, Mexico

CS4-4 What kind of surface property is felt as damaged hairs?

Minori KAKIZAWA
Shiseido Co., Ltd., Japan

CS4-5 Nutraceutical promoters of autophagy prolongs human hair growth ex vivo

Benedetto GRIMALDI
Istituto Italiano Di Tecnologia, Italy

CS4-6 Pharmaceutical action of arachidonate 12-lipoxygenase inhibitors on S100A3 citrullination in human hair cuticles

Kenji KIZAWA
Biological Science Research Laboratory, Kao Corporation, Japan

16:10-17:10 Sponsored Seminar

Sponsored by Aderans Company Limited / Artnature Inc.

Wig Service in Japan

Chair: Shigeki INUI (*Osaka University Graduate School of Medicine, Japan*)
 Co-chair: Yutaka NARISAWA (*Saga University, Japan*)

SS-1 Wig for psychosocial quality of life of hair loss patients: Questionnaire-based evidence

Shigeki INUI
Osaka University Graduate School of Medicine, Japan

SS-2 On the advanced nature of Japanese hair industry and superiority of products / services

Atsumori HIRAI
Artnature Inc., Japan

SS-3 Technologies of totally custom made wigs

Yuji HIRAHARA
Aderans Co., Ltd., Japan

Room C-2

9:00-10:30 Concurrent Session 5

Hair Transplantation Visiting Old, Learn New

Chair: Akio SATO (*Tokyo Memorial Clinic Hirayama, Japan*)
 Co-chairs: Yoshinori ISHII (*Omiya Skin Clinic, Japan*)
 Masahisa NAGAI (*Renaissance Clinic Fukuoka, Japan*)

CS5-1 Significant clinical factors related to unexpected wide surgical strip scar

Hyo KANG
Miracle Hair Restoration Clinic, Korea

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CS5-2 Hair transplantation in China

Wen Yu WU
Huashan Hospital, FuDan University, China

CS5-3 Consideration on FUE megasession for East Asian

Young Geun RYU
Forhair Clinic Seoul, Korea

CS5-4 The art of hair restoration

Timothy P. CARMAN
La Jolla Hair Restoration Medical Center, United States

Keynote
Speaker

CS5-5 A new approach to hair cell therapy: Combining medical and scientific innovation in hair 'cloning'

Bessam FARJO
Farjo Hair Institute, United Kingdom

CS5-6 Nagai method state of the art technique beyond limits

Masahisa NAGAI
Renaissance Clinic Fukuoka, Japan

10:30-10:40 **Coffee Break**

12:15-13:15 **Luncheon Seminar 2 (Relay)**

14:30-16:30 Concurrent Session 6
Hair Transplantation

14:30-15:30

Chair: Kuniyoshi YAGYU (*Kioicho Clinic, Japan*)
Co-chairs: Andrea MARLIANI (*University of Firenze, Italy*)
Piero TESAURO (*ISHRS member, Incoming President SITRI (Italian Society of Hair Science), SICPRE (Italian Society of Plastic Surgery), AICPE, Italy*)

Keynote
Speaker

CS6-1 Hair transplant and therapy: How and when can this combination work?

Piero TESAURO
Private Practice, Italy

CS6-2 Emerging therapies in the treatment of androgenetic alopecia

Kenneth WASHENIK
New York University School of Medicine, United States

CS6-3 The hair clock, or (to put it another way) why is hair growth cyclical?

Andrea MARLIANI
University of Florence, Italy

15:30-16:30

Chair: Kenneth WASHENIK (*New York University School of Medicine, United States*)
Co-chair: Robert LEONARD, JR. (*Leonard Hair Transplant Associates, United States*)

Keynote
Speaker

CS6-4 Tricoanalysis or microscopy in polarized light new perspectives for the study of the hair

Gaetano AGOSTINACCHIO
Studio Medico Dermatologico Agostinacchio, Italy

CS6-5 WITHDRAWN
CS6-6 Styling without shedding: Novel topical formula reduces hair shedding by contracting the arrector pili muscle

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

CS6-7 Cicatricial alopecia secondary to dermatoses: Is it appropriate to treat surgically?

Nilofer FARJO
Farjo Hair Institute, United Kingdom

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DAY3 (Thursday, November 2)

Annex Hall 2

7:50-8:50 Morning Seminar 1

Sponsored by P&G

Chair: John GRAY (*P&G, Beauty, South Africa*)
 Co-chair: Jeni THOMAS (*P&G, Hair Care, United States*)

MS1-1 Hair fiber “quality of life” from scalp to tips: New insights & treatment strategies for pre- and post-emergent hair

Jennifer M. MARSH, Jim R. SCHWARTZ
The Procter & Gamble Company, Cincinnati, Ohio, United States

MS1-2 Global view on extrinsic and intrinsic factors affecting hair fiber quality of life

Ralph M. TRÜEB
Center for Dermatology and Hair Diseases, and University of Zurich, Wallisellen (Zurich), Switzerland

9:00-10:30 Concurrent Session 7

Scarring Alopecia

Chair: Kazutoshi HARADA (*Tokyo Medical University, Japan*)
 Co-chairs: Andrew MESSENGER (*University of Sheffield, United Kingdom*)
 Jerry SHAPIRO (*New York University School of Medicine, United States*)

Keynote
 Speaker

CS7-1 Treatment of Cicatricial Alopecias

Jerry SHAPIRO
New York University School of Medicine, United States

CS7-2 Treatment of Cicatricial Alopecia

Wilma F. BERGFELD
Cleveland Clinic Foundation, United States

CS7-3 Frontal fibrosing alopecia: Is there an environmental cause?

Andrew G. MESSENGER
University of Sheffield, United Kingdom

CS7-4 Histopathological findings in affected and unaffected scalp areas of lichen planopilaris and frontal fibrosing alopecia

Isabella DOCHE
University of Sao Paulo, Brazil

CS7-5 Dissecting cellulitis of the scalp: A case series in Taiwan and discussion on the pathogenesis

Chao Chun YANG
National Cheng Kung University, Taiwan

10:30-10:50 Coffee Break

10:50-11:30 Keynote Lecture 2

Chair: Wilma F. BERGFELD (*Cleveland Clinic Foundation, United States*)
 Co-chair: Jianzhong ZHANG (*Department of Dermatology Peking University People's Hospital Chinese Society of Dermatology, China*)

KL2-1 Toward the treatment of permanent chemotherapy-induced alopecia

Ohsang KWON
Seoul National University College of Medicine, Korea

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11:40-12:40 Luncheon Seminar 3

Sponsored by Shiseido

Hair Follicle Regeneration, "Basic and Clinical Translation"

Chair: Shiro NIITYAMA (*Department of Dermatology Toho University Ohashi Medical Center, Japan*)
 Co-chair: Jiro KISHIMOTO (*Global Innovation Center, Shiseido Co., Ltd., Japan*)

LS3-1 Integrated omics approaches to understand dermal papilla inductivity

Claire A. HIGGINS
Department of Bioengineering, Imperial College London, United Kingdom

LS3-2 Autologous cell-based therapy for hair loss using Dermal Sheath Cup Cells (DSCC). Basic concept and clinical research study in Japan

Jiro KISHIMOTO
Global Innovation Center, Shiseido Co., Ltd., Japan

12:50-13:50 Plenary Session 2

Research

Chair: Satoshi ITAMI (*Osaka University Graduate School of Medicine, Japan*)
 Co-chairs: George COTSARELIS (*University of Pennsylvania, Perelman school of Medicine, United States*)
 Ulrike BLUME-PEYTAVI (*Department of Dermatology and Allergy, Charite Universitats Medicin Berlin, Germany*)

PS2-1 Optical imaging for diagnostic indices in alopecia areata

Jessica LIN
University of California, Irvine, United States

PS2-2 After skin wounding, noncoding dsRNA coordinates prostaglandins and Wnts to promote regeneration

Luis A. GARZA
Johns Hopkins University, United States

PS2-3 Clinical and biometrological characterisation of female hair ageing: Monocentric, comparative study in young and elderly not alopecic women

Valerie MENGEAUD
Pierre Fabre Dermo cosmetique, France

PS2-4 Hair follicles engage in chemosensation: Olfactory receptor OR2AT4 regulates human hair growth

Jeremy CHERET
Monasterium Laboratory, Germany

PS2-5 Three dimensional ultrastructural analysis of hair follicle dermal sheath cells

Haruyo YAMANISHI
Shiseido Global Innovation Center, Japan

14:00-15:30 Concurrent Session 8

Sponsored by P&G

Hair Anti-Aging

Chair: Sotaro KURATA (*Beppu Garden-Hill Clinic, Japan*)
 Co-chairs: Ralph M. TRÜEB (*Center for Dermatology and Hair Disease University of Zurich, Switzerland*)
 Won-Soo LEE (*Department of Dermatology, Yonsei Wonju University, Korea*)

Keynote
 Speaker

CS8-1 Medical and cosmetic treatments for aging male and female hair

Ralph M. TRÜEB
Center for Dermatology and Hair Disease University of Zurich, Switzerland

CS8-2 The mechanism of aging-associated hair graying and hair thinning: toward the discovery of pharmacological targets

Emi K. NISHIMURA
Tokyo Medical and Dental University, Japan

CS8-3 Key quest and strategy for anti-hair aging and anti-hair shaft aging

Won Soo LEE
Yonsei Wonju University, Korea

15:30-15:50 Coffee Break

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15:50-17:30 **Concurrent Session 11**

Sponsored by Aderans Company Limited

New Horizon of Hair Disease Management and Research

Chair: Sotaro KURATA (*Beppu Garden-Hill Clinic, Japan*)
 Co-chairs: Kenneth WASHENIK (*New York University School of Medicine, United States*)
 Yuliya OVCHARENKO (*V. N. Karazin Kharkiv National University; Institute of Trichology, Ukraine*)

Keynote Speaker

CS11-1 Hair follicle transit amplifying cells exhibit stem cell-like properties for regeneration after chemo- and radio-therapeutic injury

Sung Jan LIN
National Taiwan University, Taiwan

CS11-2 Elongation of anagen by red LED possibly through paracrine mediators for dermal papilla

Shigeki INUI
Osaka University Graduate School of Medicine, Japan

CS11-3 Development of new treatment for chemotherapy induced alopecia - basic and clinical study -

Masafumi INOMATA
Oita University Faculty of Medicine, Japan

CS11-4 Incidence of permanent chemotherapy-induced alopecia among breast cancer patients: A five-year prospective cohort study

Danbee KANG
Center for Clinical Epidemiology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea

CS11-5 Retrospective review of triggers, demographics, and stress of patients diagnosed with telogen effluvium at a specialty alopecia clinic

Martina PORTER
Beth Israel Deaconess Medical Center, United States

CS11-6 Next generation drug delivery systems- which parameters are associated with improved penetration in hair follicles?

Annika VOGT
Charite-University Medicine Berlin, Germany

CS11-7 OCT in inflammatory scalp diseases

Maria A. MARTINEZ
Universidad Nacional Autonoma de Mexico, Mexico

Room C-1

9:00-10:30 **Concurrent Session 9**

Stem Cell and Tissue Engineering

Chair: Yasuyuki AMOH (*Kitasato University School of Medicine, Japan*)
 Co-chairs: Robert M. HOFFMAN (*AntiCancer inc. University of California San Diego, United States*)
 Shigaku IKEDA (*Juntendo University Graduate School of Medicine, Japan*)

Keynote Speaker

CS9-1 Hair follicle-associated-pluripotent (HAP) stem cells

Robert M. HOFFMAN
AntiCancer Inc. University of California San Diego, United States

CS9-2 Mesenchymal niche regulated regional epithelial regeneration

Ting CHEN
National Institute of Biological Sciences, Beijing, China

CS9-3 Self-organization of skin organoid with hair primordia formation *in vitro*

Mingxing LEI
University of Southern California, United States

CS9-4 Implanted HAP stem cells encapsulated in polyvinylidene fluoride membrane cylinders promote effective recovery of peripheral nerve injury

Koya OBARA
Kitasato University School of Medicine, Japan

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CS9-5 Functional validation of candidate trichogenes identified from 3D-cultured human dermal papilla cells

Young K. SUNG
Kyungpook National University, Korea

10:30-10:50 **Coffee Break**

11:40-12:40 Luncheon Seminar 4

Sponsored by Taisho Pharmaceutical Co., Ltd.
Taisho Toyama Pharmaceutical Co., Ltd.

Management of Androgenetic Alopecia

Chairs: Seiji ARASE (*Emeritus, Tokushima University, Japan*)
Xingqi ZHANG (*The First Affiliated Hospital of Sun Yat-sen University, China*)

LS4-1 Towards improved treatment options for androgenetic alopecia (AGA): From PRP to a novel humanized mouse model of AGA

Amos GILHAR
Technion Israel Institute, Israel

LS4-2 Non-responders to oral medications in AGA

Chang Hun HUH
Seoul National University Bundang Hospital, Korea

14:00-15:30 Concurrent Session 10

Diagnostic Techniques: Trichoscopy and Beyond

Chair: Manabu OHYAMA (*Kyorin University School of Medicine, Japan*)
Co-chairs: Chang Hun HUH (*Seoul National University Bundang Hospital, Korea*)
Antonella TOSTI (*Miller School of Medicine, University of Miami, United States*)

Keynote
Speaker

CS10-1 Trichoscopy: An update

Antonella TOSTI
University of Miami, United States

CS10-2 How to make full use of trichoscopy in practice?: Introduction of the diagnostic flow chart and tips to enhance the diagnostic accuracy

Misaki KINOSHITA-ISE
Kyorin University School of Medicine, Japan

CS10-3 Casts and pseudocasts

Isabella DOCHE
University of Sao Paulo, Brazil

CS10-4 Hair fungal infection: Precise diagnosis and therapeutic effect evaluation by dermoscopy and fluorescent staining

Yuping RAN
Sichuan University, Chengdu, China

CS10-5 Follicular map - a novel approach to quantitative trichoscopy

Michal KASPRZAK
TrichoLAB, Poland

CS10-6 Optical coherence tomography for the investigation of frontal fibrosing alopecia

Norma Elizabeth VAZQUEZ-HERRERA
Tecnologico de Monterrey, Mexico

15:30-15:50 **Coffee Break**

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15:50-17:30 "Frontiers from the World" - Selected Presentations

Chair: Weixin FAN (*First Affiliated Hospital of Nanjing Medical University (Jiangsu Province Hospital), China*)
Co-chairs: Ramon GRIMALT (*Universitat Internacional de Catalunya UIC-Barcelona, Barcelona, Spain*)
 Daniel ASZ-SIGALL (*Onco-Dermatology Clinic, National University of Mexico, Mexico*)
 Juan FERRANDO (*Hospital Clinic and Barcelona University Medical School, Barcelona, Spain*)

SP-1 The clinical presentation of acute telogen effluvium

Xingqi ZHANG
The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

SP-2 Trichoscopy of pigmented scalp

Fernanda TORRES
Dermatology in Private Practice, Rio de Janeiro, Brazil

SP-3 What's new in frontal fibrosing alopecia

Sergio VANO-GALVAN
Ramon y Cajal Hospital, University Hospital, Madrid, Spain University of Alcala, Spain

SP-4 Hair follicle transplantation for the treatment of scalp of the linear scleroderma on the scalp- a case report

Weixin FAN
First Affiliated Hospital of Nanjing Medical University (Jiangsu Province Hospital), China

SP-5 Frontal fibrosing alopecia vs lichen planopilaris in Singapore

Joyce S.S. LEE
National Skin Centre, Singapore

SP-6 Facial papules in frontal fibrosing alopecia: Beyond vellus hair follicle involvement

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

SP-7 Infections and infestations of the scalp

Daniel ASZ-SIGALL
National University of Mexico, Mexico

Room C-2

9:00-10:30 Concurrent Session 12

Hair Diseases, Endocrinology and Metabolism

Chair: Motonobu NAKAMURA (*University of Occupational and Environmental Health, Japan*)
Co-chairs: Ralf PAUS (*The Centre for Dermatology Research, Institute for Inflammation and Repair, University of Manchester, United Kingdom*)
 Leona YIP (*Consultant Dermatologist, Barton Specialist Centre, Australia*)

Keynote Speaker

CS12-1 Human diseases and mouse models

Motonobu NAKAMURA
University of Occupational and Environmental Health, Japan

CS12-2 The hair follicle as a chemosensory organ: Exploring the role of olfactory receptors in human hair biology

Ralf PAUS
The Centre for Dermatology Research, Institute for Inflammation and Repair, University of Manchester, United Kingdom

CS12-3 Efficacy of a nutritional supplement, standardized in fatty acids and phytosterols, on hair loss and hair health in both women and men

Federica ZANZOTTERA
ROELMI HPC, Italy

CS12-4 Reversal of the hair loss phenotype by modulating the estradiol-ANGPT2 axis in the mouse model of female pattern hair loss

Yujiro ENDO
Lion corporation, Japan

CS12-5 A case of cantu syndrome, a congenital hypertrichosis with the similar condition to minoxidil use

Kentaro OHKO
Kochi Medical School, Kochi University, Japan



CS12-6 Association analysis between female pattern hair loss and iron deficiency in adults

Lanqin FU
Peking Union Medical College Hospital, China

10:30-10:50 **Coffee Break**

14:00-15:30 Concurrent Session 13

Hair and Regenerative Medicine

Chair: Kotaro YOSHIMURA (*Jichi Medical University, Japan*)
Co-chairs: Sung Jan LIN (*Institute of Biomedical Engineering, National Taiwan University, Taiwan*)
Luis A. GARZA (*Johns Hopkins School of Medicine, United States*)

Keynote
Speaker

CS13-1 Assembling of layer-by-layer dermal papilla spheres for hair follicle induction

Chia-Ching WU
National Cheng Kung University, Taiwan

CS13-2 Inflammatory factors in hair follicle regeneration

Yaojiong WU
Tsinghua University, China

CS13-3 CWL080061, a novel Wnt signaling activator, in hair regeneration

Joo Young CHA
Drug Discovery Center, JW Pharmaceutical Co, Seoul, Korea

CS13-4 The role of hair follicles in dermal remodelling and scar reduction

Magdalena PLOT CZYK
Imperial College London, United Kingdom

CS13-5 Influences of oxygen tension in expansion culture of human dermal papilla/sheath cells on hair regeneration

Koji KANAYAMA
University of Tokyo, Japan

15:30-15:50 **Coffee Break**

15:50-17:20 Concurrent Session 14

Alopecia Areata (Clinical)

Chair: Norimitsu SAITO (*Yokohama Rosai Hospital, Japan*)
Co-chairs: Amos GILHAR (*Skin Research Laboratory, Technion Israel Institute, Israel*)
Woo Young SIM (*Kyung Hee University, Korea*)

Keynote
Speaker

CS14-1 Future therapies for alopecia areata

Amos GILHAR
Technion Israel Institute, Haifa, Israel

CS14-2 Therapeutic response to various treatment for alopecia areata

Norimitsu SAITO
Yokohama Rosai Hospital, Japan

CS14-3 Treatment of pediatric alopecia areata with anthralin: A retrospective review of 37 cases

Wilma F. BERGFELD
Cleveland Clinic Foundation, Cleveland, Ohio, United States

CS14-4 Effectiveness of tofacitinib for alopecia areata

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

CS14-5 Treatment of alopecia areata with the topical janus kinase inhibitor, tofacitinib 2% ointment: A pilot study of 10 patients

Brett KING
Yale University School of Medicine, United States

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Poster

Annex Hall 2

Room C-1

Room C-2

Annex Hall 1

DAY4 (Friday, November 3)

Annex Hall 2

7:50-8:50 Morning Seminar 2

Sponsored by Kao Corporation

Epithelial-mesenchymal Interaction in Hair Follicle Development and Regeneration

Chairs: Motomu MANABE (*Akita University Graduate School of Medicine, Japan*)
Mike PHILPOTT (*Centre for Cell Biology and Cutaneous Research, Bilzard Institute, Barts and The London, United Kingdom*)

MS2-1 Basic study to clinical phase, a fully functional organ regenerative therapy for hair follicle

Koh-ei TOYOSHIMA
RIKEN Center for Developmental Biology, Japan

MS2-2 Mesenchymal niche control of hair follicle formation, growth and regeneration

Michael RENDL
Principal Investigator, The Black Family Stem Cell Institute; Department of Cell, Developmental and Regenerative Biology; Department of Dermatology; Graduate School of Biomedical Sciences; Icahn School of Medicine at Mount Sinai, NY, United States

9:00-10:30 Concurrent Session 15

Female Pattern Hair Loss

Chair: Rie UEKI (*Juntendo Tokyo Koto Geriatric Medical Center, Juntendo University Faculty of Medicine, Japan*)
Co-chair: Rodney D. SINCLAIR (*University of Melbourne, Epworth Hospital and Sinclair Dermatology, Australia*)

CS15-1 Female pattern hair loss: Evaluation and diagnosis

Elise A. OLSEN
Duke University Medical Center, United States

Keynote Speaker

CS15-2 Treatment of female pattern hair loss

Rodney D. SINCLAIR
University of Melbourne and the Epworth Hospital, Australia

CS15-3 The characteristics of female pattern hair loss

Shuxia YANG
Peking University First Hospital, China

CS15-4 Prevalence of hair shedding among women

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

CS15-5 Comprehensive transcriptome profiling of balding and non-balding scalps in female pattern hair loss using next generation sequencing

Byung Cheol PARK
Dankook University Hospital, Korea

10:30-11:15 Coffee Break

11:15-12:15 Luncheon Seminar 5

Sponsored by GlaxoSmithKline

Chairs: Gary ONG (*Stiefel, a GSK Company, Singapore*)
Manabu OHYAMA (*Kyorin University School of Medicine, Japan*)
Bernadette ARCILLA (*Stiefel, a GSK Company, Philippine*)

Panelists: Gary ONG (*Stiefel, a GSK Company, Singapore*)
Manabu OHYAMA (*Kyorin University School of Medicine, Japan*)
Shigeki INUI (*Department of Regenerative Dermatology, Osaka University, Japan*)

LS5 Meeting patient and physician treatment expectations in androgenetic alopecia

Gary ONG¹⁾, Bernadette ARCILLA²⁾
1) *Stiefel, a GSK Company, Singapore*
2) *Stiefel, a GSK Company, Philippine*

13:00-13:15 Closing Ceremony

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Room C-1

9:00-10:30 Concurrent Session 16

Hair Follicle Biology

Chair: Takashi MATSUZAKI (*Shimane University, Japan*)
 Co-chairs: Mike PHILPOTT (*Centre for Cell Biology and Cutaneous Research Bilzard Institute, Barts and The London School of Medicine and Dentistry Queen Mary University London, United Kingdom*)
 Gill WESTGATE (*Center for Skin Sciences, Faculty of Life Sciences, University of Bradford, United Kingdom*)

Keynote Speaker

CS16-1 The Tao of skin appendage follicles and the application

Randall B. WIDELITZ
University of Southern California, Keck School of Medicine, United States

CS16-2 Hair stem cell regulation and regeneration

Chih Chiang CHEN
National Yang Ming University, Taiwan

CS16-3 CD13, a marker for onychofibroblasts within nail matrix onychodermis: Comparison of its expression in the nail unit and in the hair follicle

Dong Youn LEE
Samsung Medical Center, Sungkyunkwan University, Korea

CS16-4 An important role of cutaneous lymphatic vessels in coordinating and promoting anagen hair follicle growth

Sunyoung YOON
ETH Zurich, Switzerland

CS16-5 Human scalp hair follicles engage in and depend on autophagy for hair growth (anagen) maintenance

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

Room C-2

9:00-10:30 Concurrent Session 17

Genetics

Chair: Yutaka SHIMOMURA (*Yamaguchi University Graduate School of Medicine, Japan*)
 Co-chairs: Mazen KURBAN (*American University of Beirut, Lebanon*)
 Claire A. HIGGINS (*Imperial College London, United Kingdom*)

Keynote Speaker

CS17-1 Non-syndromic forms of hereditary hair diseases

Yutaka SHIMOMURA
Yamaguchi University Graduate School of Medicine, Japan

CS17-2 Insights into the genetics of hair diseases

Mazen KURBAN
American University of Beirut, Lebanon

CS17-3 Research on congenital hair loss disorders in China Diagnostic algorithm and mutational studies of congenital hair loss disorders

Cheng ZHOU
Peking University People's Hospital, Beijing, China

CS17-4 A novel diagnostic hair feature observed under polarizing microscope in congenital keratinizing disorders including Netherton syndrome

Daisuke UTSUMI
University of the Ryukyus, Japan

CS17-5 To identify markers of non-scarring forms of alopecia on the basis of correlation analysis of growth factors and apoptosis factors

Fatima V. AZIMOVA
Republican Specialized Scientific and Practical Center of Dermatology and Venereology, Uzbekistan

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Annex Hall 2

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Annex Hall 1

12:15-13:00 Meet the Experts

Maria HORDINSKY

University of Minnesota, Minneapolis, Minnesota, United States

Andrew MESSENGER

University of Sheffield, United Kingdom

Ralf PAUS

University of Manchester, United Kingdom

Mike PHILPOTT

Centre for Cell Biology and Cutaneous Research Bizard Institute, Barts and The London School of Medicine and Dentistry Queen Mary University London, United Kingdom

Michael RENDL

Principal Investigator, the Black Family Stem Cell Institute (BFSCI) and Developmental and Regenerative Biology (CDRB) and Icahn School of Medicine at Mount Sinai (ISMMS), United States

Jerry SHAPIRO

The Ronald O. Perleman Department of Dermatology, New York University School of Medicine, United States

Rodney D. SINCLAIR

University of Melbourne, Epworth Hospital and Sinclair Dermatology, Australia

Randall B. WIDELITZ

University of Southern California, Keck School of Medicine, United States

DAY 1

DAY 2

DAY 3

DAY 4

Poster

Annex Hall 2

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Annex Hall 1