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
Sodoreiho Kimono College, Japan

Annex Hall 1

18:30-20:00 Welcome Reception
### Annex Hall 2

#### DAY 2 (Wednesday, November 1)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>9:00-10:30</td>
<td><strong>Concurrent Session 1</strong></td>
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</table>

**Stem Cells and the Niche**

- **Chair:** Emi K. NISHIMURA (Tokyo Medical and Dental University, Japan)
- **Co-chairs:**
  - Mayumi ITO (The Ronald O. Perelman, 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. Perelman 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Coffee Break</th>
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<td>10:30-10:40</td>
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<tr>
<th>Time</th>
<th>Plenary Session 1</th>
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<td>10:40-11:40</td>
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**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

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<tr>
<th>Time</th>
<th>EHRS John Ebling Award</th>
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<td>11:40-12:05</td>
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</table>
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 Hari and Skin Science, Department of Dermatology, Charite-University Medicine Berlin, Germany)

Keynote Speaker CS2-1 Exploring andrologen 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 YOSHIKATE
Kitasato University School of Medicine, Japan
### Afternoon Seminar

#### Up to Date of Hair Science

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

**Sponsored by MSD K.K.**

<table>
<thead>
<tr>
<th>AS-1</th>
<th>Strategies to promote vellus-to-terminal reconversion: Concepts &amp; perspectives</th>
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<td>Ralf PAUS (University of Manchester, United Kingdom)</td>
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<tr>
<th>AS-2</th>
<th>Ten-year efficacy of finasteride in 105 Japanese men with androgenetic alopecia</th>
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<tr>
<td></td>
<td>Akio SATO (Department of Regenerative Plastic Surgery, Kitasato University School of Medicine, Japan)</td>
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</table>

### Concurrent Session 3

#### Alopecia Aretata (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)

<table>
<thead>
<tr>
<th>CS3-1</th>
<th>Preclinical evaluation of new therapies for alopecia areata using cell-transferred C3H/HeJ mouse model</th>
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<tr>
<td></td>
<td>Eddy Hsi Chun WANG (Columbia University, United States)</td>
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<tr>
<th>CS3-2</th>
<th>TCR analysis of single human intralesional CD8+ T-cells as first step towards the identification of pathogenic antigen(s) in alopecia areata</th>
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<tr>
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<td>Marta BERTOLINI (University of Muenster, Germany)</td>
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<tr>
<th>CS3-3</th>
<th>Resident dermal γδ T-cells operate as autoimmunity-promoting stress-sentinels in human skin: Relevance for alopecia areata</th>
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<tbody>
<tr>
<td></td>
<td>Youhei UCHIDA (University of Muenster, Germany)</td>
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<tr>
<th>CS3-4</th>
<th>Identification of autoantigens in the mouse model of alopecia areata</th>
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<tr>
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<td>Christina I. TEJEDA (Columbia College of Physicians and Surgeons, United States)</td>
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<tr>
<th>CS3-5</th>
<th>Alopecia density and extent (ALODEX) score, a method for the assessment of hair loss in alopecia areata</th>
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<tr>
<td></td>
<td>Elise A. OLSEN (Duke University Medical Center, United States)</td>
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#### Coffee Break

### Luncheon Seminar 2

#### Exploring Dandruff & Scalp Health: A Comprehensive Approach

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

<table>
<thead>
<tr>
<th>LS2-1</th>
<th>Dandruff and seborrheic dermatitis: Distinct causes for concern?</th>
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<td>Luis A. GARZA (Johns Hopkins University, United States)</td>
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<tr>
<th>LS2-2</th>
<th>Microbes and dandruff: Emerging understanding</th>
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<tr>
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<td>Cheri CHU (Unilever R&amp;D Shanghai, China)</td>
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<tr>
<th>LS2-3</th>
<th>Technical approaches to controlling dandruff</th>
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<tr>
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<td>Luisa COLLINS (Unilever R&amp;D Port Sunlight, United Kingdom)</td>
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</table>
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

Wig Service in Japan
Sponsored by Aderans Company Limited / Artnature Inc.
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

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
**Hair transplantation in China**
Wen Yu WU  
Huashan Hospital, Fudan University, China

**Consideration on FUE megasession for East Asian**
Young Geun RYU  
Forhair Clinic Seoul, Korea

**The art of hair restoration**
Timothy P. CARMAN  
La Jolla Hair Restoration Medical Center, United States

**A new approach to hair cell therapy: Combining medical and scientific innovation in hair ‘cloning’**
Bessam FARJO  
Farjo Hair Institute, United Kingdom

**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)**

**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**

- **Hair transplant and therapy: How and when can this combination work?**
  Piero TESAURO  
  Private Practice, Italy

- **Emerging therapies in the treatment of androgenetic alopecia**
  Kenneth Washenik  
  New York University School of Medicine, United States

- **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**

- **Trichoscanalysis or microscopy in polarized light new perspectives for the study of the hair**
  Gaetano Agostinaracchio  
  Studio Medico Dermatologico Agostinaracchio, Italy

- **WITHDRAWN**

- **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

- **Cicatricial alopecia secondary to dermatoses: Is it appropriate to treat surgically?**
  Nilofer Farjo  
  Farjo Hair Institute, United Kingdom
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)

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

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)

Toward the treatment of permanent chemotherapy-induced alopecia
Ohsang KWON
Seoul National University College of Medicine, Korea

9:00-10:00 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)

Toward the treatment of permanent chemotherapy-induced alopecia
Ohsang KWON
Seoul National University College of Medicine, Korea

10:30-10:50 Coffee Break

10:50-11:30 Keynote Lecture 2

Toward the treatment of permanent chemotherapy-induced alopecia
Ohsang KWON
Seoul National University College of Medicine, Korea
11:40-12:40 Luncheon Seminar 3

Sponsored by Shiseido

**Hair Follicle Regeneration, "Basic and Clinical Translation"**

**Chair:** Shiro NIIYAMA (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, Charité 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
Concurrent Session 11

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 OVCARENKO (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

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
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)

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
"Frontiers from the World" - Selected Presentations

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

Hair Diseases, Endocrinology and Metabolism

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

Keynote Speaker
### 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)

#### 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 PLOTCZYK**

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

### 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)

#### 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
DAY4 (Friday, November 3)

Annex Hall 2

Morning Seminar 2

7:50-8:50

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, Bizzar 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

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)

Panelists: Bernadette ARCILLA (Stiefel, a GSK Company, Philippine)
          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 ONG, Bernadette ARCILLA
       1) Stiefel, a GSK Company, Singapore
       2) Stiefel, a GSK Company, Philippine

13:00-13:15 Closing Ceremony
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 Blandford 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)

**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)

**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
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 Blizard 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. Perelman 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