WCHR2017
10th World Congress for Hair Research
Program

Kyoto, Japan

Honorary-President Hideki OGAWA
Co-President Ryoji TSUBOI (SHSR), Satoshi ITAMI (JSCHR)

Visiting old, find new

October 31 (Tue) - November 3 (Fri), 2017
Kyoto International Conference Center
WCHR2017
10th World Congress for Hair Research
Program

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Co-Presidents Ryoji TSUBOI (SHSR), Satoshi ITAMI (JSCHR)

October 31 (Tue) - November 3 (Fri), 2017
Kyoto International Conference Center
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Welcome Message

Dear Colleagues:

On behalf of the Society for Hair Science Research (SHSR) and the Japan Society of Clinical Hair Restoration (JSCHR), we thank all of you for taking part in the 10th World Congress for Hair Research (WCHR2017) at the Kyoto International Conference Center. In addition to the great honor and pleasure of welcoming so many distinguished guests from the world over, we are especially delighted by the fact that this time we have received 380 abstracts. We sincerely hope that this increase betokens a surge in interest among our colleagues worldwide in the WCHR conference.

Under the slogan of “Visiting the old, finding the new”, WCHR2017 will provide hair biologists, tissue engineers, dermatologists, aesthetic scientists, and hair transplantation surgeons new knowledge, techniques, and approaches for the advancement of hair-related science. In addition, we hope that you enjoy the social activities that will be on offer as an adjunct to the scholarly program, and take the opportunity during this three-and-a-half day conference to deepen your ties, both professionally and personally, with other top researchers and clinicians.

As many of you know already, Kyoto is renowned no less for its beauty than for its cultural and historical importance and is particularly resplendent in the Autumn when the brilliant fall colors accentuate the stateliness of the traditional gardens and architecture. Please explore the environs of Kyoto with your colleagues during and after the conference, and make many lovely memories to take back with you from Japan.

Welcome to Kyoto!
Best regards,

Honorary-President:
Hideoki OGAWA, M.D., Ph.D.
CEO, Juntendo University

Co-President:
Satoshi ITAMI, M.D., Ph.D.
Professor and Chair, Department of Regenerative Dermatology
Osaka University Graduate School of Medicine

Co-President:
Ryoji TSUBOI, M.D., Ph.D.
Professor and Chair, Department of Dermatology,
Tokyo Medical University

Chair, Scientific Program Committee:
Manabu OHYAMA, M.D., Ph.D.
Professor and Chair, Department of Dermatology,
Kyorin University School of Medicine
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Hideoki OGAWA

Co-President
Ryoji TSUBOI

Co-President
Satoshi ITAMI

Congress Secretary

Shigeki INUI

Kazutoshi HARADA

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Taisuke ITO
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Sotaro KURATA

Norimitsu SAITO
Akio SATO
Yutaka SHIMOMURA

Koh-ei TOYOSHIMA
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Emi K. NISHIMURA

Takashi MATSUZAKI
Kunlyoshi YAGYU
Kotaro YOSHIMURA

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Nilofer FARJO

Bessam FARJO
Juan FERRANDO
Luis GARZA

Andy GOREN
Ramon GRIMALT
Claire HIGGINS

Maria HORDINSKY
Valerie HORSLEY
Chang Hun HUH

Leslie JONES
Won-Soo LEE
Julian MACKAY-WIGGAN

Andrea MARLIANI
Kevin MCELWEE
Elise OLSEN

Yuliya OVCHARENKO
Bianca Maria PIRACCINI
Michael RENDL

Ricardo ROMITI
Rodney SINCLAIR
Antonella TOSTI

Annika VOGT
Ken WASHENIK
Gill WESTGATE

Leona YIP
Jianzhong ZHANG
Xinqi ZHANG

Abraham ZLOTOGORSKI
The SHSR and JSCHR gratefully acknowledge the following sponsors for their support of the 10th World Congress.
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# Program at a glance

## DAY1

**Tuesday, October 31**

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<tr>
<th>Time</th>
<th>Annex Hall 2</th>
<th>Room C-1</th>
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### 10:00-11:00
**Learning Course for Residents and Beginners**
Chair: Shigeki INUI, Taisuke ITO, Yutaka SHIMOMURA

### 11:30-12:00
**Coffee Break**

### 14:30-16:00
**Opening Ceremony**
Hideoki OGAWA, Ryoji TSUROI, Satoshi ITAMI, Manabu OHYAMA
17:30-18:10
**Special Lecture**
Chair: Kensei KATSUOKA
Speaker: Reiko OHARA

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

### 21:00-
## DAY2  Wednesday, November 1

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<tr>
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<th>Annex Hall 2</th>
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</table>
| 9:00  | Concurrent Session 1  
"Stem Cells and the Niche"  
Chairs: Emi K. NISHIMURA, Mayumi ITO, George COTSARELIS | Concurrent Session 3  
"Alopecia Areata (Research)"  
Chairs: Taisuke ITO, Yuval RAMOT, Bianca Maria PIRACCINI | Concurrent Session 5  
"Hair Transplantation Visiting Old, Learn New"  
Chairs: Akio SATO, Yoshinori ISHI, Masahisa NAGAI |              |             |          |
| 9:30  |              |          |          |              |             |          |
| 10:00 |              |          |          |              |             |          |
| 10:30 | Coffee Break |          |          |              |             |          |
| 11:00 | Plenary Session 1  
"Clinical"  
Chairs: Ryoji TSUBOI, Maria HORDINSKY, Abraham ZLOTGORSKI |              |          |              |              |          |
| 11:30 |              |          |          |              |             |          |
| 12:00 | Concurrent Session 2  
"Androgenetic Alopecia"  
Chairs: Shigeki INUI, Gwang Seong CHOI, Annika VOGT | Concurrent Session 4  
"Hair Follicle Morphology and Cosmetology"  
Chairs: Jiro KISHIMOTO, Ohsang KWON, Leslie JONES | Concurrent Session 6  
"Hair Transplantation"  
Chairs: Kunioyo YAOYU, Andrea MARLIANI, Piero TESAURO |              |             |          |
| 12:30 | Luncheon Seminar 1  
(Aderans)  
Chair: Satoshi ITAMI, Valerie RANDALL | Luncheon Seminar 2  
(Unilever)  
Chair: Luis A. GARZA | Luncheon Seminar 2  
(Relay)  
Chair: |              | Posts       |          |
| 13:00 |              |          |          |              |             |          |
| 13:30 | Keynote Lecture 1  
Chair: Hideoki OGAWA, Won Soo LEE, Rodney D. SINCLAIR |              |          |              |             |          |
| 14:00 |              |          |          |              |             |          |
| 14:30 | Afternoon Seminar  
(MSD)  
Chair: Taisuke ITO | Afternoon Seminar  
(Spons. by Aderans)  
"Wig Service in Japan"  
Chairs: Shigeki INUI, Yutaka NARISAWA |              |              |          |
| 15:00 |              |          |          |              |             |          |
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| 21:00 |              |          |          |              |             |          |

### Free Discussion  
(Odd)

7:40 - IFHRS Meeting
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<tr>
<th>Time</th>
<th>Venue</th>
<th>Session/Activity</th>
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</thead>
</table>
| 8:00  | Annex Hall 2           | Morning Seminar 1 (P&G)  
Chairs: John GRAY, Jeni THOMAS                                                   |
| 8:30  | Room C-1               |                                                                                   |
| 9:00  | Room C-2               |                                                                                   |
| 9:30  | Room C-2               | Concurrent Session 7  
“Scarring Alopecia”  
Chairs: Kazutoshi HARADA, Andrew MESSENGER, Jerry SHAPIRO                     |
| 10:00 | Room C-2               | Concurrent Session 9  
“Stem Cell and Tissue Engineering”  
Chairs: Yasuyuki AMOH, Robert M. HOFFMAN, Shigaku IKEDA                        |
| 10:30 | Room C-2               | Concurrent Session 12  
“Hair Diseases, Endocrinology and Metabolism”  
Chairs: Motonobu NAKAMURA, Ralf PAUS, Leona YIP                             |
| 11:00 | Annex Lobby            | Coffee Break                                                                      |
| 11:30 | Room 103               |                                                                                   |
| 12:00 | Annex Hall 1           | Luncheon Seminar 3 (Shiseido)  
Chairs: Shiro NIIYAMA, Jiro KISHIMOTO                                             |
| 12:30 | Annex Hall 1           | Luncheon Seminar 4 (Taisho Pharmaceutical/ Taisho Toyama Pharmaceutical)  
Chairs: Seiji ARASE, Xingqi ZHANG                                                |
| 13:00 | Annex Hall 1           | Plenary Session 2  
“Research”  
Chairs: Satoshi ITAMI, George COTSARELIS, Ulrike BLUME-PAYTAVI                   |
| 13:30 | Annex Hall 1           |                                                                                   |
| 14:00 | Annex Hall 1           | Concurrent Session 8  
“Hair Anti-Aging”  
Chairs: Sotaro KURATA, Ralph M. TRÜEB, Won Soo LEE                             |
| 14:30 | Annex Hall 1           | Concurrent Session 10  
“Diagnostic Techniques: Trichoscopy and Beyond”  
Chairs: Manabu OHYAMA, Chang-Hun HUH, Antonella TOSTI                          |
| 15:00 | Annex Hall 1           | Concurrent Session 13  
“Hair and Regenerative Medicine”  
Chairs: Kotaro YOSHIMURA, Sung-Jan LIM, Luis A. GARZA                           |
| 15:30 | Annex Hall 1           | Coffee Break                                                                      |
| 16:00 | Annex Hall 1           | Concurrent Session 11  
“New Horizon of Hair Disease Management and Research”  
Chairs: Sotaro KURATA, Kenneth WASHENIK, Yuliya OVCHARENKO                      |
| 16:30 | Annex Hall 1           | “Frontiers from the World”  
Selected Presentations from Each Society  
Chairs: Weixin PAN, Ramon GRIMALT, Daniel ASZ-SIGALL, Juan FERRANDO            |
| 17:00 | Annex Hall 1           | Concurrent Session 14  
“Alopecia Areata” (Clinical)  
Chairs: Norimitsu SAITO, Amos GILHAR, Woo Young SIM                             |
| 17:30 | Annex Hall 1           | Gala Dinner  
Grand Prince Hotel Kyoto, B2F Prince Hall  
19:00-21:00                                                                     |
<p>| 18:00 | Annex Hall 1           |                                                                                   |
| 18:30 | Annex Hall 1           |                                                                                   |
| 19:00 | Annex Hall 1           | KHSRS                                                                 |
| 19:30 | Annex Hall 1           | General Meeting                                                                   |
| 20:00 | Annex Hall 1           |                                                                                   |
| 20:30 | Annex Hall 1           |                                                                                   |
| 21:00 | Annex Hall 1           |                                                                                   |</p>
<table>
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<tr>
<th>Time</th>
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<td>Morning Seminar 2 (Kao Corporation)</td>
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<td>Concurrent Session 15 “Female Pattern Hair Loss”</td>
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<td>Concurrent Session 16 “Hair Follicle Biology”</td>
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<td>Concurrent Session 17 “Genetics”</td>
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<td>Poster Removing</td>
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<td>Coffee Break</td>
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<td>Luncheon Seminar 5 (GSK)</td>
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**MEMO**

(Note: The memo text is not visible in the image.)
Program
DAY1 (Tuesday, October 31)

**Annex Hall 2**

#### Learning Course for Residents and Beginners

13:30-16:30

<table>
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<tr>
<th>Chair</th>
<th>Co-chairs</th>
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<tbody>
<tr>
<td>Shigeki INUI (Osaka University Graduate School of Medicine, Japan)</td>
<td>Taisuke ITO (Hamamatsu University School of Medicine, Japan), Yutaka SHIMOMURA (Yamaguchi University Graduate School of Medicine, Japan)</td>
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**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**
## DAY 2 (Wednesday, November 1)

### 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. 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**

<table>
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<tr>
<th>CS1-1</th>
<th>Reciprocal interactions between epidermal stem cells and their environment</th>
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<tr>
<td></td>
<td>Hironobu FUJIWARA</td>
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<td>RIKEN Center for Developmental Biology, Japan</td>
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<tr>
<th>CS1-2</th>
<th>Would healing and hair follicle regeneration</th>
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<td>Mayumi ITO</td>
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<td>The Ronald O. Perelman Department of Dermatology, Department of Cell Biology, United States</td>
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<tr>
<th>CS1-3</th>
<th>Regulation of the hair follicle stem cell niche during hair growth, pigmentation and ageing</th>
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<tr>
<td></td>
<td>Carlos CLAVEL</td>
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<td>A*Star Institute of Medical Biology, Singapore</td>
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### 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)

<table>
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<tr>
<th>PS1-1</th>
<th>The role of sunscreen and facial skin care products in frontal fibrosing alopecia</th>
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<tr>
<td></td>
<td>William C. CRANWELL</td>
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<td>Sinclair Dermatology, Victoria, Australia</td>
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<th>PS1-2</th>
<th>Clinical evaluation of FGF5 inhibiting formulations for the treatment of hair loss in women and men</th>
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<th>PS1-3</th>
<th>Folliculitis decalvans: A clinicopathological study of thirty-two cases</th>
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<td>Masaki UCHIYAMA</td>
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<td>Tokyo Medical University, Japan</td>
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<th>PS1-4</th>
<th>Comparison of the treatment outcome of oral tofacitinib with other conventional therapies in extensive refractory alopecia areata</th>
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<td>Jung Won SHIN</td>
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<td>Seoul National University Bundang Hospital, Korea</td>
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<tr>
<th>PS1-5</th>
<th>Alopecia areata like pattern: A histopathological pitfall in both diffuse and patchy alopecia</th>
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<tr>
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<td>Curtis T. THOMPSON</td>
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<td>Oregon Health &amp; Sciences University, United States</td>
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### EHRS John Ebling Award

**Chair:** Abraham ZLOTOGORSKI (President of European Hair Research Society, Hadassah-Hebrew University Medical Center, Israel)
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, Charité-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 PANCHAPRATTEEP
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
16:10-17:10  Afternoon Seminar  

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

9:00-10:30  Concurrent Session 3  

Room C-1

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 γδ\(^+\)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  

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
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
Tecnhologico 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)

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

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 CS6-4 Tricoanalisis or microscopy in polarized light new perspectives for the study of the hair
Gaetano AGOSTINACCHIO
Studio Medico Dermatologico Agostinacchio, 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)

**Treatment of Cicatricial Alopecias**

Jerry SHAPIRO
New York University School of Medicine, United States

**Treatment of Cicatricial Alopecia**

Wilma F. BERGFELD
Cleveland Clinic Foundation, United States

**Frontal fibrosing alopecia: Is there an environmental cause?**

Andrew G. MESSENGER
University of Sheffield, United Kingdom

**Histopathological findings in affected and unaffected scalp areas of lichen planopilaris and frontal fibrosing alopecia**

Isabella DOCHE
University of Sao Paulo, Brazil

**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)

**Toward the treatment of permanent chemotherapy-induced alopecia**

Ohsang KWON
Seoul National University College of Medicine, Korea
Luncheon Seminar 3

Sponsored by Shiseido

Hair Follicle Regeneration, "Basic and Clinical Translation"

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

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<th>Session</th>
<th>Title</th>
<th>Speaker</th>
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<tr>
<td>LS3-1</td>
<td>Integrated omics approaches to understand dermal papilla inductivity</td>
<td>Claire A. HIGGINS</td>
<td>Department of Bioengineering, Imperial College London, United Kingdom</td>
</tr>
<tr>
<td>LS3-2</td>
<td>Autologous cell-based therapy for hair loss using Dermal Sheath Cup Cells (DSCC), Basic concept and clinical research study in Japan</td>
<td>Jiro KISHIMOTO</td>
<td>Global Innovation Center, Shiseido Co., Ltd., Japan</td>
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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)

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<tr>
<td>PS2-1</td>
<td>Optical imaging for diagnostic indices in alopecia areata</td>
<td>Jessica LIN</td>
<td>University of California, Irvine, United States</td>
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<tr>
<td>PS2-2</td>
<td>After skin wounding, noncoding dsRNA coordinates prostaglandins and Wnts to promote regeneration</td>
<td>Luis A. GARZA</td>
<td>Johns Hopkins University, United States</td>
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<tr>
<td>PS2-3</td>
<td>Clinical and biometrological characterisation of female hair ageing: Monocentric, comparative study in young and elderly not alopecic women</td>
<td>Valerie MENGEAUD</td>
<td>Pierre Fabre Dermo cosmetique, France</td>
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<td>PS2-4</td>
<td>Hair follicles engage in chemosensation: Olfactory receptor OR2AT4 regulates human hair growth</td>
<td>Jeremy CHERET</td>
<td>Monasterium Laboratory, Germany</td>
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<tr>
<td>PS2-5</td>
<td>Three dimensional ultrastructural analysis of hair follicle dermal sheath cells</td>
<td>Haruyo YAMANISHI</td>
<td>Shiseido Global Innovation Center, Japan</td>
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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)

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<tr>
<td>CS8-1</td>
<td>Medical and cosmetic treatments for aging male and female hair</td>
<td>Ralph M. TRÜEB</td>
<td>Center for Dermatology and Hair Disease University of Zurich, Switzerland</td>
</tr>
<tr>
<td>CS8-2</td>
<td>The mechanism of aging-associated hair graying and hair thinning: toward the discovery of pharmacological targets</td>
<td>Emi K. NISHIMURA</td>
<td>Tokyo Medical and Dental University, Japan</td>
</tr>
<tr>
<td>CS8-3</td>
<td>Key quest and strategy for anti-hair aging and anti-hair shaft aging</td>
<td>Won Soo LEE</td>
<td>Yonsei Wonju University, Korea</td>
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15:30-15:50 Coffee Break
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 (Kitsato 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
Kitsato University School of Medicine, Japan
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
Tecnológico de Monterrey, Mexico

15:30-15:50 Coffee Break
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
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 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

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
DAY 4 (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, 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 ONG1, Bernadette ARCILLA2
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, Bldzard 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)

The Tao of skin appendage follicles and the application
Randall B. WIDELITZ
University of Southern California, Keck School of Medicine, United States

Hair stem cell regulation and regeneration
Chih Chiang CHEN
National Yang Ming University, Taiwan

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

An important role of cutaneous lymphatic vessels in coordinating and promoting anagen hair follicle growth
Sunyoung YOON
ETH Zurich, Switzerland

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)

Non-syndromic forms of hereditary hair diseases
Yutaka SHIMOMURA
Yamaguchi University Graduate School of Medicine, Japan

Insights into the genetics of hair diseases
Mazen KURBAN
American University of Beirut, Lebanon

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

A novel diagnostic hair feature observed under polarizing microscope in congenital keratinizing disorders including Netherton syndrome
Daisuke UTSUMI
University of the Ryukyus, Japan

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
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 diphencyprone 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
<table>
<thead>
<tr>
<th>P-011</th>
<th>Evaluation of the efficacy of intermittently administered corticosteroid at medium dose in patients with alopecia areata</th>
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<tr>
<td></td>
<td>Motoko AYABE</td>
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<tr>
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<td>Yokohama City University, Japan</td>
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<tr>
<th>P-012</th>
<th>A candidate botanical cutaneous solution for the treatment of alopecia areata (AA) in pediatric population</th>
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<tr>
<td></td>
<td>Saad HARTI</td>
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<td>Legacy Healthcare, Switzerland</td>
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<thead>
<tr>
<th>P-013</th>
<th>Primary cicatricial alopecia: An unclassified case</th>
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<tr>
<td></td>
<td>Mizuki GOTO</td>
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<td>Faculty of Medicine, Oita University, Japan</td>
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<tr>
<th>P-014</th>
<th>Histopathologic features of alopecia areata</th>
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<td></td>
<td>Bark Lynn LEW</td>
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<td>KyungHee University, Korea</td>
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<tr>
<th>P-015</th>
<th>Simvastatin/ezetimibe therapy for recalcitrant alopecia areata: Efficacy and prognosis</th>
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<tr>
<td></td>
<td>Bark Lynn LEW</td>
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<td>KyungHee University, Korea</td>
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<tr>
<th>P-016</th>
<th>Can botulinum toxin type A injection be used for alopecia areata treatment?</th>
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<tr>
<td></td>
<td>Rattapon THUANGTONG</td>
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<td>Siriraj Hospital, Thailand</td>
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<tr>
<th>P-017</th>
<th>Seasonal relapse of alopecia areata: A model for environmental triggering</th>
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<tr>
<td></td>
<td>Gordon I. HALE</td>
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<td></td>
<td>Sheffield Teaching Hospitals NHS Foundation Trust, United Kingdom</td>
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<tr>
<th>P-018</th>
<th>A case of diffuse alopecia areata mimicking female pattern hair loss</th>
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<tr>
<td></td>
<td>Keiko INUI</td>
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<td>Tokyo Medical and Dental University, Japan</td>
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<tr>
<th>P-019</th>
<th>Health-related quality of life in severe alopecia areata is improved with successful treatment of disease</th>
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<tr>
<td></td>
<td>Lucy LIU</td>
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<td>Yale University School of Medicine, United States</td>
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<tr>
<th>P-020</th>
<th>Efficacy of topical diphenylcyclopropenone maintenance treatment for patients with alopecia areata: A retrospective study</th>
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<td></td>
<td>Won Soo LEE</td>
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<td>Yonsei Wonju University, Korea</td>
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<tr>
<th>P-021</th>
<th>Subclinical sensitization of diphenylcyclopropenone is sufficient for the treatment of alopecia areata</th>
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<tr>
<th>P-022</th>
<th>A new classification of alopecia areata Based on risk stratification by subtype and extent of hair loss: LEE classification</th>
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<td>Young Bin LEE</td>
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<td>Yonsei University Wonju College of Medicine, Korea</td>
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<tr>
<th>P-023</th>
<th>Our operative technique for follicular unit extraction</th>
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<tr>
<td></td>
<td>Masami SAITO</td>
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<tr>
<td></td>
<td>Shinwa Clinic Shinjuku, Japan</td>
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<td>Poster Number</td>
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<td>P-024</td>
<td>Retrospective review of stress as a trigger for hair loss in patients diagnosed with alopecia areata seen in a specialty alopecia clinic</td>
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<td>P-025</td>
<td>A case of alopecia areata multiplex after injecting an autologous dermal micro-graft for treatment of androgenetic alopecia</td>
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<tr>
<td>P-026</td>
<td>Three cases of alopecia areata and myasthenia gravis</td>
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<tr>
<td>P-027</td>
<td>A case of alopecia totalis treated with 308-nm excimer and 311-nm titanium: Sapphire laser</td>
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<td>P-028</td>
<td>The efficacy of steroid pulse therapy in 80 patients with severe alopecia areata in Kurume University</td>
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<td>P-029</td>
<td>Treatments of pediatric alopecia areata in Nagoya City University Hospital</td>
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<td>P-030</td>
<td>Efficacy of topical occlusion with potent corticosteroids in children with severe type of alopecia areata</td>
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<td>P-031</td>
<td>Multiple application of intramuscular compound betamethasone in the treatment of alopecia areata</td>
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<td>P-032</td>
<td>Non-ablative fractional laser as an emerging treatment for alopecia areata</td>
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<td>P-033</td>
<td>Treatment of severe alopecia areata with the oral Janus kinase inhibitor, tofacitinib citrate: The Cleveland clinic experience</td>
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<td>P-034</td>
<td>Evaluation of metal allergy in patients with alopecia areata</td>
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<tr>
<td>P-035</td>
<td>Nonablative fractional laser for treatment of alopecia totalis</td>
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### 02. Alopecia Areata (Research)

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<th>No.</th>
<th>Title</th>
<th>Authors</th>
<th>Affiliation</th>
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<tr>
<td>P-036</td>
<td>Desensitization of dust mite in modifying relapse and disease duration of alopecia areata in allergic individuals</td>
<td>Zi Xun ZENG</td>
<td>First Affiliated Hospital of Kunming Medical School, China</td>
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<td>P-037</td>
<td>Correlation of hair cycle with local inflammatory infiltration in localized and diffuse subtypes of alopecia areata</td>
<td>Yunxia LING</td>
<td>Sun Yat-Sen University, China</td>
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<tr>
<td>P-038</td>
<td>Clinical significance of serum cold-inducible RNA-binding protein in alopecia areata</td>
<td>Young LEE</td>
<td>Chungnam National University, Daejeon, Korea</td>
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<td>P-039</td>
<td>A new mouse model for alopecia areata induced by activation of innate immunity</td>
<td>Young LEE</td>
<td>Chungnam National University, Daejeon, Korea</td>
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<td>P-040</td>
<td>Hair growth-promoting and molecular regulation of <em>Salvia plebeia</em> R.Br. extract in human dermal papilla cell</td>
<td>Yilin ZHANG</td>
<td>Chung-Ang University, Korea</td>
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<td>P-041</td>
<td>SIRT1 activation ameliorates inflammation in the outer root sheath cells of hair follicles</td>
<td>Jin PARK</td>
<td>Chonbuk National University Medical School, Korea</td>
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<td>P-042</td>
<td>Quantitative clinicopathological image analyses identify poor prognostic factors for systemic steroid pulse therapy in acute alopecia areata</td>
<td>Yohei SATO</td>
<td>Kyorin University School of Medicine, Japan</td>
</tr>
<tr>
<td>P-043</td>
<td>This abstract is about the analysis of the frequency distribution of polymorphism TNF-α gene among patients with alopecia areata</td>
<td>Fatima V. AZIMOVA</td>
<td>Republican Specialized Scientific and Practical Center of Dermatology and Venereology, Uzbekistan</td>
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<td>P-044</td>
<td>The effect of human mesenchymal stem cell therapy on <em>in vitro</em> model of alopecia areata</td>
<td>Jung Eun KIM</td>
<td>The Catholic University of Korea, St. Paul's Hospital, Korea</td>
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<td>P-045</td>
<td>Evaluations of relationship between alopecia areata and sleep disorder through questionnaire</td>
<td>Hyojin KIM</td>
<td>Inje University, Korea</td>
</tr>
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<td>P-046</td>
<td>Distribution of microscopic change of pulled-out hair in alopecia areata patient</td>
<td>Hyojin KIM</td>
<td>Inje University, Korea</td>
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</table>
Three-microneedle device decreases the pain with intralesional steroid therapy for alopecia areata
Shogo TAKAHASHI
Nihon University, Japan

Follicular unit extraction in cicatrical alopecia
Alex GINZBURG
Israel

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

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

A complex extract of acanthopanax koreanum and crinum asiaticum promotes hair growth
Guang Jin IM
Sam Chung Dang Pharm. Co., Ltd, Korea

The effect of cutaneous cryotherapy on hair cycle
Yukari MIZUKAMI
Osaka City University Graduate School of Medicine, Japan

Quality of life in Korean patients with alopecia areata : A multicenter questionnaire-based study
Gwang Seong CHOI
Inha University, Korea

Alopecia areata and overt thyroid diseases: A nationwide population-based study in Korea
Tae Young HAN
Eulji General Hospital, Eulji University, Korea

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

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

A study of low-level light therapy for the treatment of androgenetic alopecia in Thai patients
Poonkiat SUCHONWANIT
Ramathibodi Hospital, Mahidol University, Thailand
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<th>Institution(s)</th>
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<tr>
<td>P-058</td>
<td>Prescription preferences of Spanish dermatologists for treating patients with androgenetic alopecia in 2017: A cross-sectional study</td>
<td>Sergio VANO-GALVAN</td>
<td>Ramon y Cajal Hospital, University of Alcala, Madrid, Spain</td>
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<td>P-059</td>
<td>High-resolution MRI demonstrates association of scalp thickness with progression of androgenetic alopecia in 28 Japanese males</td>
<td>Taro KOYAMA</td>
<td>Men’s Health Clinic Tokyo, Japan</td>
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<td>P-060</td>
<td>Efficacy and tolerability of a combined topical treatment (CRLAB) in male and female androgenetic alopecia: An open Italian study</td>
<td>Bianca Maria PIRACCINI</td>
<td>University of Bologna, Italy</td>
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<td>P-061</td>
<td>Androgenetic alopecia treated with intralesional finasteride, triamcinolone and growth factors, associated with fractional laser application</td>
<td>Ana Carina JUNQUEIRA BERTIN</td>
<td>Clinica Groenlandia 462, Brazil</td>
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<td>P-062</td>
<td>Social selection favors offspring prone to the development of androgenetic alopecia</td>
<td>Maja KOVACEVIC</td>
<td>Clinical Hospital Center Sestre Milosrdnice, Croatia</td>
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<tr>
<td>P-063</td>
<td>Combination of fractional CO₂ laser therapy and hair growth factors enhance hair growth for male androgenetic alopecia</td>
<td>Lin Feng ZHUO</td>
<td>Capital Medical University, China</td>
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<tr>
<td>P-064</td>
<td>Study on the role of DDX5 in human hair follicular dermal papilla cells</td>
<td>Minkyu KIM</td>
<td>Kyungpook National University, Korea</td>
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<td>P-065</td>
<td>Testosterone-GPRC6A-Duox1 axis stimulates H₂O₂ production leading to apoptosis of hair follicle cells</td>
<td>K. Nara PARK</td>
<td>Ewha Womans University, Korea</td>
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<tr>
<td>P-066</td>
<td>Trichopigmentation is one of the decisions for androgenetic alopecia</td>
<td>Djamila K. PULATOVA</td>
<td>Republican specialized research and practical medical center of dermatology and venereology, Hair transplant department, Uzbekistan</td>
</tr>
<tr>
<td>P-067</td>
<td>Quality of life with alopecia areata versus androgenetic alopecia assessed using hair specific skinex-29</td>
<td>Young Bin LEE</td>
<td>Yonsei University Wonju College of Medicine, Korea</td>
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<tr>
<td>P-068</td>
<td>Transplantation of cell enriched adipose tissue for follicular stimulation in early androgenetic alopecia: A randomized, controlled trial</td>
<td>Eric J. DANIELS</td>
<td>Kerastem Technologies, United States</td>
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<td>P-069</td>
<td>Phase II study to evaluate efficacy and safety of pyrrolidinyl diaminopyrimidine oxide (PDPO) topical solution for androgenic alopecia</td>
<td>Maria Abril MARTINEZ</td>
<td>Universidad Nacional Autonoma de Mexico, Mexico</td>
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<tr>
<td>Poster Number</td>
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<td>Institution(s)</td>
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<tr>
<td>P-070</td>
<td>Characterisation of immortalized human balding and non-balding dermal papilla cells</td>
<td>Jordan A. LEE</td>
<td>Queen Mary University of London, United Kingdom</td>
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University of Naples Federico II, Italy |
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|       | Colombina VINCENZI  
|       | Private Hospital Nigrisoli, Italy                                                                |

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|       | Shimane University, Japan                                                                               |

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|       | Birla Institute of Technology and Science, Hyderabad Campus, India                                      |

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|       | BITS Pilani Hyderabad Campus, India                                                                         |

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|       | Fukushima Medical University, Japan                                   |

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|       | Miracle Hair Restoration Clinic, Korea                            |

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|       | Trichomed Clinic, Germany                                               |

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|       | Seoul National University College of Medicine, Korea                                                                       |
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St. Helens and Knowsley Teaching Hospitals NHS Trust, United Kingdom

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Pontificia Universidade Catolica de Sao Paulo, Brazil

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Pusan National University Hospital, Korea

Co existent presence of folliculitis decalvans in siblings: A rare occurrence
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Dermika Centro Dermatologico Laser - Centro de Restauracion Capilar, Mexico

Brunsting perry type pemphigoid causing secondary cicatricial alopecia in two patients
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Universidade Federal Fluminense, Brazil

Primary cicatricial alopecia in South Korea: A 10-year nationwide cohort study
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An open clinical trial of a new zinc pyrithione / rosa centifolia extract shampoo in the management of dandruff
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The improved effects of ginseng, green tea and camellia seed fermented with AP-microorganisms complex on hair and scalp condition
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HBO Research Institute, Amorepacific R&D Center, Korea

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