

NEWSLETTER

Volume 3, No. 1

Message from the IFHRS Chair & Executive Secretary

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Dr. Wilma Bergfeld



Victoria Ceh

UNITED WITH UKRAINE

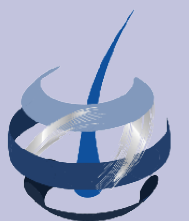
We continue to express our support for our Ukrainian colleagues. So many of our sister societies and industry partners have raised funds to help with humanitarian efforts. We stand united with our colleagues and wish for peace.

WORLD CONGRESS FOR HAIR RESEARCH

We encourage all hair researchers and practitioners to attend the next World Congress for Hair Research (WCHR) taking place in beautiful Melbourne, Australia!

The Congress is scheduled for **November 18-22, 2022**, and information can be found in the Australasian section in this newsletter and on the congress website at: hair2022.org. Now is the time to make your travel arrangements, book your hotel, and register for the meeting. Early bird rates are available until October 5, 2022.

We will see you there!



IFHRS

International Federation
of Hair Research Societies

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U.S. FDA APPROVES FIRST SYSTEMIC TREATMENT FOR ALOPECIA AREATA

Per the U.S. FDA news release on June 13, 2022: “Today, the U.S. Food and Drug Administration approved Olumiant (baricitinib) oral tablets to treat adult patients with severe alopecia areata, a disorder that often appears as patchy baldness and affects more than 300,000 people in the U.S. each year. Today’s action marks the first FDA approval of a systemic treatment (i.e. treats the entire body rather than a specific location) for alopecia areata.”

AHRS SCIENTIFIC MEETINGS IN FIRST HALF OF 2022

AHRS at the AAD

The AHRS holds an annual ancillary meeting at the American Academy of Dermatology Annual Meeting. This year’s scientific session and luncheon took place on March 25, 2022, in Boston, and hosted approximately 150 dermatologists. The meeting reviewed three important research projects funded by the AAD HAIR Grant Program. Dr. Susan Taylor described her project, “The Genetic Basis of Central Centrifugal Cicatricial Alopecia (CCCA)”; Dr. Amy McMichael discussed her study, “Investigation of Genetic Study of the Genetic Mutations in CCCA in a Large Cohort of Black Women Across the United States”; and Dr. John Seykora reviewed his project, “Identification of Biomarkers for CCCA.” We look forward to learning about the results of these projects in the future.

Updates were provided by two patient support organizations. The Cicatricial Alopecia Research Foundation, now named Scarring Alopecia Foundation, had a moving update provided by their president, Kris Harton. We also heard from the new CEO of the National Alopecia Areata Foundation, Nicole Friedland.

We honored the memory of two dedicated and important individuals to our field who passed away: Dr. Lloyd King and Vicki Kalabokes. Awards were presented to several colleagues. The 2022 David A. Whiting Leadership & Research Award was presented by Dr. Antonella Tosti, AHRS President, to Dr. Len Sperling. The ILDS 2020 Certificate of Appreciation was

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presented by Prof. Lars French, President of the ILDS, to Dr. Dirk Elston. A special acknowledgment award was given to Dr. Madeleine Duvic for her profound work and dedication to the Alopecia Areata Registry; the award was presented to her by Drs. Maria Hordinsky and Angela Christiano, and a recorded video tribute by Dr. David Norris was played. Finally, Dr. Valerie D. Callender presented the 2022 AHRS Mentorship Grants to the mentees.

AHRS at the SID

The AHRS also annually meets at the Society for Investigative Dermatology Annual Meeting. This year's evening meeting took place on May 20, 2022, in Portland, Oregon. The session began with a scientific poster reception. Ten excellent studies were presented and authors discussed their work with attendees as everyone enjoyed food and cocktails as well as time to socialize. Three oral abstracts were presented and the highlight was the keynote given by Dr. Ryan R. Driskell, Assistant Professor, School of Molecular Biosciences, Center of Reproductive Biology, at Washington State University. Dr. Driskell's presentation was entitled, "Hair Follicle Phenotypes Are Regulated by Lef1 Expression in Fibroblasts."

The AHRS annual business meeting took place. The election results were announced, and there was a change in officers. Dr. Antonella Tosti moved to Immediate Past President, Dr. Angela Christiano to President, and Dr. John Seykora came on as Secretary-Treasurer; each will serve a 3-year term.

AHRS at RADLA

We were pleased to participate in the RADLA 2022 Virtual Chile meeting with a pre-recorded 1-hour session that was featured on May 7, 2022. The RADLA is the Annual Meeting of Latin American Dermatologists. The session was entitled, "Lessons Learned About Alopecia Based on Real Cases." The moderators were Drs. Eugenia Cappetta and Gisela D'Atri. We had several Latin American AHRS members participate who gave excellent lectures. The session was available in either Spanish or Portuguese. We learned that there were 173 visits of persons who watched our on-demand session. The AHRS is grateful to the RADLA organizers for the opportunity.



DERMATOLOGÍA
SIN FRONTERAS



AHRS at CILAD

The AHRS hosted a scientific session on July 2, 2022, at the Annual Meeting of Ibero-Latin American College of Dermatology (CILAD) in Madrid. Drs. Gisela D'Atri and Eugenia Cappetta organized the session, and Dr. D'Atri and Dr. Isabella Doche moderated the session onsite. The talks were given in Spanish or Portuguese and included such topics as LLP, chronic telogen effluvium, PRP to treat AGA, oral minoxidil, pitfalls in trichoscopy, hair transplant tips for the non-surgeon, traction alopecia, and diagnostic and therapeutic pearls in pediatric trichology. The session was well-attended! We thank the CILAD organizers and look forward to the next meeting.

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PLANS FOR SECOND HALF 2022 AND 2023

PRP Webinar

Don't miss our PRP webinar taking place on Saturday, September 17, 2022, at 9:00am Central Time (Chicago), which converts to 7:00am Pacific Time (Los Angeles), 10:00am Eastern Time (NYC), 11:00am Brazil Time, 3:00pm London, and 4:00pm Central Europe. Registration is \$0 for AHRS members and \$50 for non-members. The program chairs include Drs. Maria Hordinsky, Ronda Farah, Neil Sadick, and Suleima Arruda, and there are additional faculty who will be presenting the latest research on the use of platelet-rich plasma (PRP) for hair loss and how PRP fits into a clinical practice, including same day protocols, controversies related to PRP, and the role of PRP in post-chemotherapy hair loss. This is a live and interactive webinar, and audience questions and participation is encouraged. For more information and to register, go to: <https://www.americanhairresearchsociety.org/upcoming-meetings/>



AA Summit

Please mark your calendars for the AHRS Alopecia Areata Summit that will take place December 10-11, 2022, in New York City at the New York Academy of Medicine. We are planning a live meeting with options for live stream. The meeting will be recorded and available on-demand for 6 months following the meeting. Be sure to save the date and plan to attend. Program chairs include Drs. Angela Christiano, Antonella Tosti, Wilma Bergfeld, and Maria Hordinsky.

The Alopecia Areata Summit is designed to address new pathomechanisms of disease in alopecia areata, and to discuss new environmental factors and the basis for novel therapies, such as JAK inhibitors, as emerging new drugs for alopecia areata. The emergence of JAK inhibitors as a new class of drugs to treat patients with alopecia areata has changed how providers will treat hair loss patients, and this summit is designed to help providers provide the best care for these patients.

We will provide education covering the JAK signaling pathway and the mechanism of action of specific JAK inhibitors. We will discuss how to effectively treat patients with alopecia areata using traditional therapies, JAK inhibitors, and other evolving therapies to improve patient outcomes. For more information, go to: <http://AASummit.org>



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Educational sessions include:

1. Clinical Manifestations of Disease in Alopecia Areata
2. Genetics, Epidemiology, Risk Factors, and Environmental Triggers of Alopecia Areata
3. Immune Signaling Pathways in Alopecia Areata
4. Burden of Disease in Alopecia Areata Patients
5. New Therapeutic Approaches in Alopecia Areata

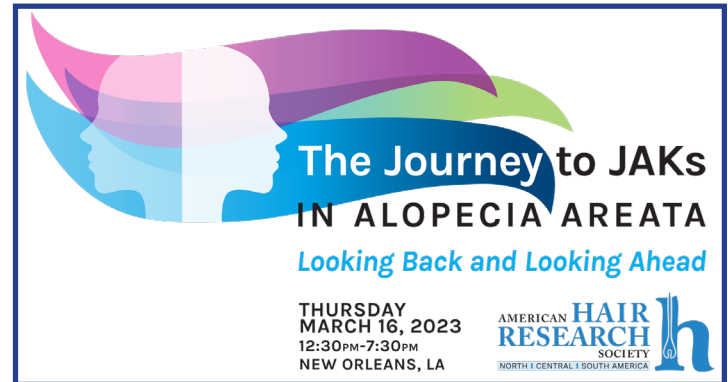
Who Should Attend?

- Dermatologists who practice in a clinical setting treating patients who suffer from hair loss disorders, including alopecia areata
- Pediatricians, nurse practitioners, physician assistants, nurses, and other clinical providers who have the potential to affect the outcomes of patients with alopecia areata
- Research scientists with an interest in hair, hair loss, and hair loss disorders

The Journey to JAKs

Please mark your calendar and spread the information to your colleagues for our 1-day meeting taking place on the THURSDAY prior to the start of the 2023 AAD Annual Meeting in New Orleans. We will be presenting “The Journey to JAKs in Alopecia Areata” on Thursday, March 16, 2023, from 12:30PM-7:30PM.

This meeting is intended for dermatologists, pediatricians, nurse practitioners, physician assistants, nurses, and other clinical providers who have the potential to affect the outcomes of patients with alopecia areata, plus, of course, hair researchers. We will review JAK inhibitors in inflammatory diseases, what we learned from biologics, and the landscape of treatment options for AA. We will discuss related disorders and common pathways and shared mechanisms. Finally, we will have dynamic panel discussion around the new treatment options with patients, managing visits and expectations, and personalized treatment plans. You don’t want to miss it!





Australasian Hair and Wool Research Society

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Registration is open for the World Congress for Hair Research 2022 (WCHR) to be held in Melbourne Australia from November 18-21. November is Spring in Australia and is the most beautiful time of year to visit Melbourne,

Over 60 abstracts have now been submitted and the organizing committee is pleased to announce an extension to the due date for abstract submissions to Tuesday 5th July 2022 at midnight AEST. We encourage all members and non-members to submit an abstract by this extended deadline and be part of the Congress Program! For more abstract submission information, please visit <https://hair2022.org/abstract-submission/>.

We are excited to announce some of our plenary speakers including Prof. Angela Christiano, Prof. Steven Kossard, Prof Andrew Wilks and Prof. Won Soo Lee. Subscribe to the Congress as more speakers will be announced soon.

Discover the distinctive flavours, sights, and passions of Melbourne's favourite neighbourhoods. Come down early in Melbourne to explore THE LUME Melbourne art exhibition and to watch the T20 Cricket World Cup, hosted at the Melbourne Cricket Ground (MCG). For more information, visit [here](https://hair2022.org/).

For more information, visit the Congress website at hair2022.org.

We look forward to welcoming everyone at the Congress in November!



To show our support to Ukraine, we have created a free-of-charge registration for all members of the Ukrainian Hair Research Society.

We stand united with Ukraine and call for peace.

#hair2022



hair2022.org | hair2022@arinex.com.au

18 - 21 November 2022

Chinese Hair Research Society

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Cheng Zhou, MD, CHRS Secretary | rmpkzc@163.com

Because of the recent wave of COVID pandemic caused by Omicron variant in Shanghai and Beijing over the past several months, as well as our strict prevention and control measures, most of our academic activities have been delayed. Our annual meeting has also been postponed to the end of August.

While we do not have anything to share for this issue of the newsletter, we are hoping to have much to share for the next IFHRS Newsletter scheduled for December.



European Hair Research Society

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POSTPONEMENT OF THE 2022 EHRS MEETING IN ST. PETERSBURG

Unfortunately, due to the devastating situation in the Ukraine, we were not able to host the planned EHRS meeting in St. Petersburg this year. This meeting was intended to be the first face-to-face EHRS meeting after a long time, and we were looking forward to meeting all the society members again. The local organizers (Dr. Tatiana Siliuk and Dr. Andrei Doroshkevich) also invested a lot of time and energy in preparation for the meeting, and hopefully we will be able to host the meeting in St Petersburg in a few years' time. We will inform you on the dates in the future.

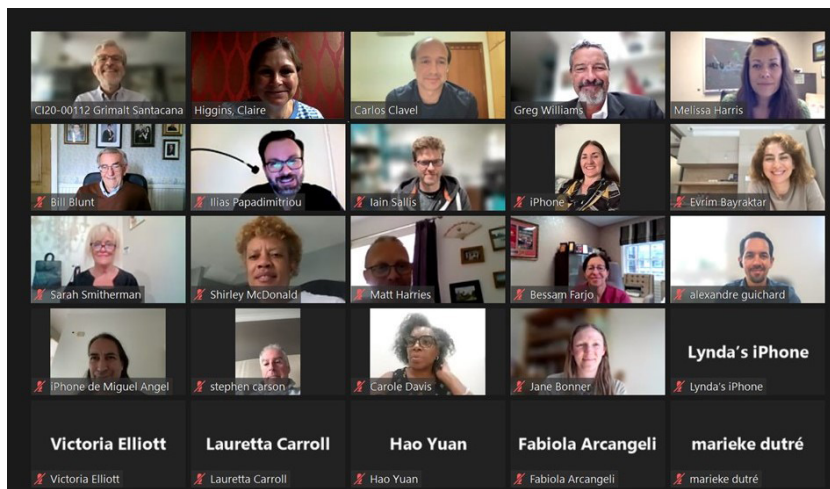
FIRST BARCELONA HAIR MEETING

Since we really miss our friends and the vivid face-to-face hair discussions, we are extremely thankful to Dr. Ramon Grimalt, who has agreed to accommodate the EHRS into the exciting program of the First Barcelona Hair Meeting: A practical approach to hair problems with international speakers. The meeting will be held in Sitges, Spain, between September 29th–October 1st, 2022, and it will be packed with exceptionally interesting practical talks by excellent speakers. During the meeting, we will also have our long overdue EHRS General Assembly, which is scheduled for 30th September at 12:30pm.

The EHRS session will be held on 1st October, between 11:30AM–12:30PM. During this session, we will present the prestigious John Ebling Lecture Award to Prof. Abraham Zlotogorski. Prof. Zlotogorski has contributed enormously to hair research, and this is an excellent opportunity to hear about the scientific pathway that he has followed.

In solidarity with the situation in the Ukraine, the EHRS has is offering 5 travel grants to UHRS members to participate in the Barcelona meeting. In addition, 5 more grants will be given to young scientists from around the world, who will present their work at the meeting.

We encourage you all to register for the meeting and join the EHRS session. There is a reduced registration fee for EHRS members. You can access the program and register at this link: <https://barcelonahair.org/>.



EHRS REMOTE SYMPOSIUMS

It is a great pleasure for us that we can still meet virtually, and that we are able to continue the tradition that we started last year with the EHRS remote symposiums. This year, we already have had several interesting symposiums, focusing on such topics as hair disorders in children, patterns of hair loss, and hair greying. Stay tuned to find out more about the next EHRS symposiums that are planned for this year.

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NEW RESEARCH FROM EHRS MEMBERS

Make sure to log in to [EHRS.org](https://ehrs.org) to get updated on the latest research from EHRS members. This year, we have launched a new video format that includes video of the leading researcher of an exceptionally interesting hair study, who gives insights and highlights takeaway messages of the study. In a recent video, Prof. Bianca Maria Piraccini discussed her research on topical finasteride for male androgenetic alopecia. In addition, the written “What’s new in hair” blog will be uploaded to this website.



Prof. Bianca Maria Piraccini

We remind you that this section of the EHRS website is accessible only to EHRS members.

BARICITINIB FOR ALOPECIA AREATA

Exciting news for alopecia areata patients and dermatologists worldwide: the European Medicines Agency’s Committee for Medicinal Products for Human Use has issued a positive opinion for baricitinib to treat adult patients with severe alopecia areata. This opinion is based on two large phase 3 trials; their results were recently published in the *New England Journal of Medicine* (see <https://doi.org/10.1056/NEJMoa2110343>).

The trial results were very encouraging, showing that with the higher dose of baricitinib (4mg daily), 38.8% and 35.9% of patients achieved SALT score of 20 or less (20% or less of the scalp affected by hair loss). Prof. Abraham Zlotogorski, the former president of the EHRS, who took part as an investigator in the study and is also a co-author on the article, said the following:

“These are excellent news for alopecia areata patients. So far, there is no approved drug for alopecia areata, which in its severe form can have huge impact on the patients’ quality of life. The beneficial properties of JAK inhibitors to treat alopecia areata has been shown in numerous studies, and specifically, baricitinib was reported as having a great potential, showing positive effects both in animal models and in humans. It is exciting that these preliminary results have now been proven in large, well-conducted randomized clinical trials.”

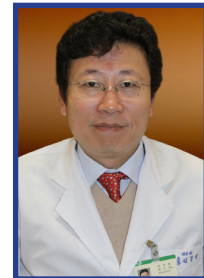
(See <https://www.sciencedirect.com/science/article/pii/S2352396415000638?via%3Dihub>.)

The Korean Hair Research Society

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NEW EXECUTIVE BOARD LAUNCHED

The 10th executive board of the Korean Hair Research Society (KHS) was newly appointed in June 2022. Professor Moon-Bum Kim of Pusan National University was elected the new president to lead the KHS for the next two years. The Vice President is Ohsang Kwon, Seoul National University, and the General Secretary & Director of International Affairs is Chang-Hun Huh, Seoul National University.



10th president of the KHS, Moon-Bum Kim

THE 18TH ANNUAL MEETING OF THE KHS

The 18th Annual Meeting of the KHS was held on May 29, 2022. With the pandemic no longer posing a threat, the meeting drew the participation of over 170 members and was a huge success. Various academic researchers and practitioners presented clinical updates and cutting-edge research in hair biology and therapeutics. Dr. Brett King, Yale University, talked about recent trends in Janus kinase inhibitors with titles such as “JAK Inhibitors for Alopecia Areata: It’s Time to Rethink Old Ideas” and “A Revolution in Dermatology: JAK Inhibitors for Refractory Skin Disease.” In addition, Dr. Ya-Chieh Hsu, Harvard University, presented an in-depth study of hair stem cells under the title, “Skin Deep: Stem Cells at the Nexus of the Niche, Physiology, and the External Environment.” And the topic of grey hair was discussed in depth during an academic-industrial collaboration session. This year’s meeting was particularly meaningful to us because of the celebratory lecture given by Professor Woo-Young Shim of Kyung Hee University ahead of his retirement.



Online Q&A session



Group photo



Celebratory lecture of Woo-Young Shim

ESTABLISHED TREATMENT GUIDELINES FOR ALOPECIA AREATA (AA) IN KOREA

Previously, several therapeutic guidelines for AA treatment have been published by professional workgroups in various countries. However, we aim to provide up-to-date information to clinicians by establishing guidelines for the treatment of AA, which is tailored to the health care system in Korea. In this regard, we intend to present not only evidence-based treatment guidelines but also treatment algorithms based on the consensus from AA experts in Korea.

We searched for relevant studies from inception to May 2021 regarding the topical and systemic treatment of AA. Evidence-based recommendation was prepared. The evidence for each statement was graded and classified according to the strength of recommendation. Hair experts from the KHS voted on the statement and agreement of 75% or greater was considered consensus.

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UPCOMING PROGRAMS

The Hair Forum | August 20, 2022

The Hair Forum aims for an informal meeting where researchers interested in hair research can freely discuss their research topics. We have scheduled the next one for August 20, 2022.

The Continuing Hair Education Program | December 3, 2022

The program will provide the update information on hair diseases for residents and clinical practitioners.

RECENT NOTABLE RESEARCH

- Kim JY, Park M, Ohn J, Seong RH, Chung JH, Kim KH, Jo SJ, Kwon O. **Twist2-driven chromatin remodeling governs the postnatal maturation of dermal fibroblasts.** *Cell Rep.* 2022 May 17;39(7):110821. doi: 10.1016/j.celrep.2022.110821. PMID: 35584664.

Summary: Kim et al. show that postnatal papillary fibroblasts lose regenerative ability when H3K27ac levels decrease. Chromatin accessibility is decreased along with H3K27ac modifications. Histone deacetylase inhibition delays chromatin remodeling, which prevents postnatal WNT inactivation. Genetic deletion of Twist2 in fibroblasts is sufficient to delay the postnatal maturation process. The authors reveal the comprehensive intracellular mechanisms underlying intrinsic postnatal changes in dermal fibroblasts.

- Park M, Jang S, Chung JH, Kwon O, Jo SJ. **Inhibition of class I HDACs preserves hair follicle inductivity in post-natal dermal cells.** *Sci Rep.* 2021 Dec 15;11(1):24056. doi: 10.1038/s41598-021-03508-0. PMID: 34911993; PMCID: PMC8674223.

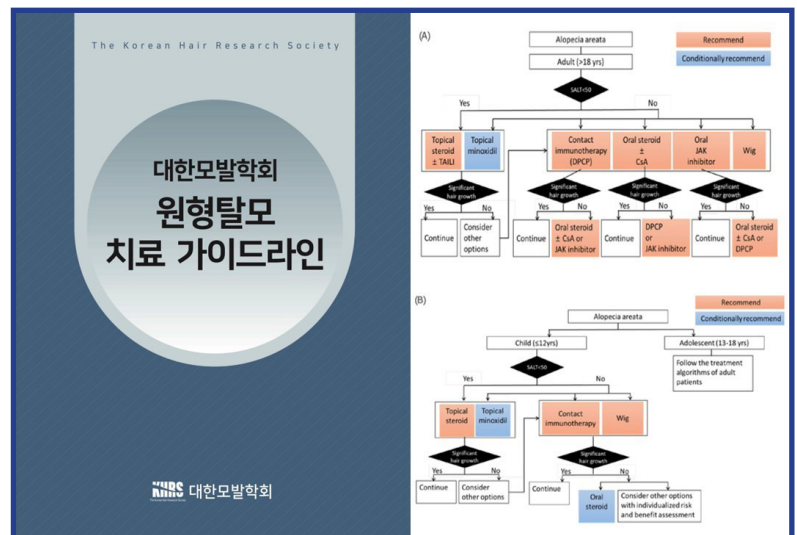
Summary: Park et al. revealed that dermal cells (DCs) from postnatal mice rapidly lose hair follicles (HFs) inductivity and that this reduction is accompanied by a significant decrease in histone H3 acetylation. However, MS-275, an inhibitor of class I HDACs, preserves HF inductivity in DCs during culture. Their results suggest that class I HDACs could be a potential target for the neogenesis of HFs.

- Subedi L, Pandey P, Shim JH, Kim KT, Cho SS, Koo KT, Kim BJ, Park JW. **Preparation of topical bimatoprost with enhanced skin infiltration and in vivo hair regrowth efficacy in androgenic alopecia.** *Drug Deliv.* 2022 Dec;29(1):328-341. doi: 10.1080/10717544.2022.2027046. PMID: 35040730; PMCID: PMC8774136.

Summary: The ideal topical bimatoprost (BIM) formulation [composed with ethanol, diethylene glycol monoethyl ether, cyclomethicone, and butylated hydroxyanisole] (BIM-TF#5) exhibited 4.60-fold higher human skin flux and a 529% increase in dermal drug deposition compared to BIM in ethanol and BIM-TF#5 (0.3% [w/w] BIM) significantly promoted hair regrowth in the androgenic alopecia mouse model.

- Lim SH, Lee H, Lee S, Lee JW, Lee SH, Lee WS. **Relationship of hair regrowth pattern in alopecia areata patches according to dimt classification with treatment modalities and patch size: a retrospective cross-sectional analysis.** *Ann Dermatol.* 2022 Feb;34(1):1-6. doi: 10.5021/ad.2022.34.1.1. Epub 2022 Jan 27. PMID: 35221588; PMCID: PMC8831304.

Summary: The morphology of hair regrowth in alopecia areata (AA) patches could be classified into four types, namely diffuse, irregular, marginal, and targetoid patterns, according to the DIMT classification. The authors conducted a retrospective, cross-sectional study of 152 AA patches with hair regrowth, and they observed that treatment modalities and patch size were the factors affecting hair regrowth patterns in AA patches.



Guidelines for the management of patients with alopecia areata in Korea

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5. Choi H, Lee Y, Shin SH, Nam J, Park WS, Park BC, Kim BJ. **Induction of hair growth in hair follicle cells and organ cultures upon treatment with 30 kHz frequency inaudible sound via cell proliferation and antiapoptotic effects.** *Biomed Rep.* 2022 Mar;16(3):16. doi: 10.3892/br.2022.1499. Epub 2022 Jan 18. PMID: 35223000; PMCID: PMC8814672.

Summary: Choi et al. demonstrated that inaudible sound at 30kHz significantly induced proliferative and anti-apoptotic effects in human dermal papilla cells (hDPCs) and outer root sheath keratinocytes. Inaudible sound was also demonstrated to significantly inhibit the hair loss signals induced by dihydrotestosterone (DHT) treatment in hDPCs. Overall, the results suggested that inaudible sound may be effective in treating hair loss and could be used to develop a new hair loss treatment approach.

6. Ohn J, Son HY, Yu DA, Kim MS, Kwon S, Park WS, Kim JI, Kwon O. **Early onset female pattern hair loss: a case-control study for analyzing clinical features and genetic variants.** *J Dermatol Sci.* 2022 Apr;106(1):21-28. doi: 10.1016/j.jdermsci.2022.02.011. Epub 2022 Feb 28. PMID: 35279334.

Summary: Little is known about the genetic characteristics of early onset female pattern hair loss (eFPHL). Ohn et al. prospectively recruited patients with eFPHL and controls without eFPHL, and they evaluated single nucleotide polymorphisms (SNPs) located around the selected 30 candidate genes. Forty-nine SNPs located around PPARGC1A, ABCC4, CYP11B2, FSHB, and CYP19A1 were found to be significant for eFPHL.

7. Lee H, Song WJ, Koh SJ, Park H. **Epidemiological association between alopecia areata and celiac disease: a meta-analysis.** *J Dermatol.* 2022 May 26. doi: 10.1111/1346-8138.16478. Epub ahead of print. PMID: 35619288.

Summary: To investigate the association between alopecia areata (AA) and celiac disease (CeD), Lee et al. performed meta-analysis. A total of eight studies were included and the meta-analysis revealed that there was a significantly higher prevalence of CeD in patients with AA (odds ratio [OR], 7.59) and the patients with CeD also showed a higher prevalence of AA (OR, 2.32). These findings suggest a bidirectional epidemiological association between AA and CeD.

ADDITIONAL NOTABLE HAPPENINGS

Wig Support Project for Children with Severe Alopecia Areata

Since August last year, in collaboration with Volunteering Korea, Korea Medical Institute, and Health Kyunghyang, we have been engaged in a project providing free wigs for children who face difficulties in social life due to changes in appearance caused by severe alopecia areata to help them carry on more active social life. So far, 40 pediatric children have been supported by this project.

Prescription of Diphenylcyclopropenone (DPCP) for Intractable Alopecia Areata in Korea

DPCP immunotherapy has been proven to be effective and safe for alopecia areata. Currently, many countries, such as the United States, Japan, and Europe, have recognized the effectiveness of DPCP treatment and are giving treatment opportunities. However, in Korea, it is classified as a chemical and there are restrictions on patient treatment. On January 14, 2022, the National Assembly debate was held and discussed for DPCP legalization with hair experts, government officials, and representatives of patient associations. The government and academic societies decided to negotiate and cooperate for the legalization of DPCP.

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Dear Colleagues,

The past few years have proven to be very challenging for the entire world and for Russia as well. Unfortunately, 2022 has brought even more dire challenges to global stability. We are deeply concerned with the current situation, yet we maintain hope that international life will return to normal sooner rather than later, and will do so in all of its aspects—professional, social, political, economic, and personal as well...

Under these extraordinary circumstances, we are making every effort to keep the Society active, as well as to preserve its numerous functions and endeavors at usual pace. First of all, we focused on different types of professional communication.

At the beginning of 2022, we organized three webinars. The first one, entitled “Estrogens and Hairs,” was held on January 18. It was attended by 118 participants from 11 countries. At this webinar, Dr. Andrey Doroshkevich discussed the links between estrogens and hair aging and the potential role of these hormones in androgenetic alopecia. On March 29 and April 20, we held two webinars focused on “World Trichology News and Updates,” with 106 and 83 participants from 10 countries, respectively.

Annual RHRS training courses, “Therapy of Hair Disorders” (Saint-Petersburg, 30 attendees) and “Trichoscopy” (Moscow, 17 attendees), were held in the format of personal (live) communication, which was highly enjoyed by all participants (photos below).



Quite soon (June 30–July 2), we will have the RHRS national congress in Saint-Petersburg, which will be held in place of the previously planned (but then postponed) EHRS meeting. So far, 200 participants from Russia and abroad have registered for this live event. We hope that this RHRS meeting will be a success from both a professional and a social point of view, and we are grateful to our colleagues from all over the world for their interest and support.

The basic science part of this meeting agenda will cover results of extensive hair biology studies continued by research groups in Moscow (Institute of Developmental biology, Moscow University, Kurchatov Institute), Saint Petersburg, and other research centers and institutions all over Russia. For example, the laboratory of Prof. Ekaterina Vorotelyak attempts to engineer full-thickness skin organoids with hair follicles using pluripotent stem cells. Another study of this group is focused on unraveling the role of protein kinases RIPK1 and RIPK3 in skin cell death and skin inflammation. The full-thickness skin strip xenotransplantation model developed in

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this laboratory allows us to monitor the dynamics of human dermis and subcutaneous adipose tissue restoration after the damage. The studies of YAP1 protein activity during regeneration of epidermis, hair follicles, and papillary dermis yielded some new insights into the nature of cellular and molecular events during the process of human skin remodeling (Cherkashina et al., 2022). The mechanisms of epithelial cell fate determination in germinative zones of the hair follicle during morphogenetic and stationary anagen phases of the hair cycle are under the interest of Dr. Panteleyev's research group. The research interests of this group are also focusing on the role of micro- and macro-environmental factors in epidermal and hair follicle regeneration with special emphasis on the activity of dermal papilla fibroblasts, epidermal stem cells, and hair matrix keratinocytes.

I look forward to sharing more in the December newsletter.



The Society for Hair Science Research (Japan)

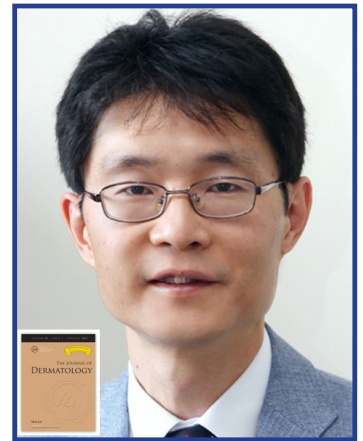
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UPDATES ON THE ACTIVITIES OF THE SHSR

The SHSR makes it a rule not to hold its own annual meeting in the year of the World Congress of Hair Research to fully focus on this major event. Therefore, for 2022, our society is planning to hold a yearly general assembly in Melbourne. Accordingly, the SHSR by itself does not have major events during the term this newsletter covers. Still, the SHSR keeps on its main activities: hair biology/disease research and medical education for general dermatologists or physicians not familiar with hair diseases. Many SHSR members, including this author, are actively supporting hair disease patient groups.

Journal of Dermatology

The *Journal of Dermatology* (JDE) is an official journal of the Japanese Dermatological Association (JDA). The first issue of JDE for 2022 was a special issue focusing on hair disease that was guest edited by Prof. Yutaka Shimomura (SHSR secretary general, Professor and Chair, Yamaguchi Univ.). Most contributors of this issue are SHSR members; this author, together with Drs. Masahiro Fukuyama (Lecturer, Kyorin Univ.) and Taisuke Ito (Clinical professor, Hamamatsu Univ.) wrote a review article on alopecia areata; Dr. Misaki Kinoshita-Ise (SHSR manager, Assistant professor, Kyorin Univ.) and her colleague contributed an article focusing on the use of trichoscopy; Dr. Masaki Uchiyama (Lecturer, Tokyo Medical Univ.) provided a comprehensive summary of primary cicatricial alopecia; Dr. Ryota Hayashi (Lecturer, Niigata Univ.) and Prof. Shimomura by himself presented an update of recent findings in genetic hair disorders. In addition, this author's group with Dr. Kinoshita-Ise as the first author presented new data elucidating uniqueness of Japanese cases of fibrosing alopecia in a pattern distribution. This issue represents a monument of recent hard work achieved by the SHSR. With regards to JDE again, as announced in the April issue, Dr. Fukuyama won the best paper prize of the year (selected by the vote of the Editors) for his paper on the development of a scoring system for early detection of self-healing subset of acute diffuse and total alopecia. This is encouraging not only for him but also for the youngsters in the SHSR, as this can be seen as a nice example supporting the significance of hair disease in general dermatology.



Prof. Yutaka Shimomura (SHSR secretary general, Yamaguchi Univ.) edited a special issue of the *Journal of Dermatology* (small panel) focusing on hair diseases.

21st Congress of the Japanese Society for Regenerative Medicine

From March 17-19, the 21st Congress of the Japanese Society for Regenerative Medicine was held online. A session on the regenerative medicine of hair follicle was organized by Prof. Emi Nishimura (SHSR board member, Tokyo Univ.) and Prof.



The Kyoto International Conference Center; the venue for the JDA annual meeting this year and the WCHR 2017.

Junji Fukuda (Yokohama National Univ.) in which SHSR board members, including this author, Dr. Yukiteru Oujii (Associate Professor, Nara Medical Univ.), Prof. Ryoji Tsuboi (former SHSR president, prof. emeritus, Tokyo Medical Univ.), Prof. Takashi Matsuzaki, and the chairpersons, have made significant contributions via introducing their recent research data on hair follicle bioengineering or therapeutic approaches for hair diseases adopting regenerative medicine techniques.

121st JDA Annual Meeting

No doubt, the most major event for dermatologists and dermatological researchers in Japan is the JDA annual meeting.

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The chairs and speakers of the JDA annual meeting hair disease educational session: (left to right) Dr. Masahiro Fukuyama, Dr. Ryota Hayashi, this author, Prof. Yasuyuki Amoh, and Prof. Taisuke Ito.



This author presenting the data of a clinical trial.



Prof. Rie Ueki chairing a concurrent session on skin appendage diseases.

For this year, the 121st JDA annual meeting was held under the presidency of Prof. Koji Sayama (Ehime Univ.) at the Kyoto International Conference Center, the same venue where the World Congress of Hair Research 2017 was held. The goal of the JDA annual meeting is to update JDA membership on the latest knowledge. This author and Prof. Yasuyuki Amoh (SHR board member and the president-elect for the 30 SHSR annual meeting, Kitasato Univ.) presented an educational session dedicated to hair disease that provided JDA CME credits for attendees. Distinguished SHSR members Drs. Fukuyama and Hayashi individually gave talks on the diagnostic techniques for hair diseases and congenital hair disorders, while Prof. Amoh nicely summarized recent advances on hair regeneration and stem cells in the context of hair disease pathophysiology and treatment. Prof. Taisuke Ito gave a lecture on the recent advances in the management of hair diseases. Prof. Rie Ueki (Juntendo Univ.) chaired a concurrent session for skin appendage disorder in which this author presented recent data of the efficacy of a JAK inhibitor for severe alopecia areata.

New Safety Committee Launched

The mission of the SHSR is not limited to research and medical education. As we all know, a new remedy for the severe subset of alopecia areata will be officially available. The JDA, in collaboration with the SHSR, launched the safety committee for new treatment of hair loss diseases to secure medical safety and appropriate usage of new medications. This committee will publish safety manuals to protect patients from unnecessary adverse events.

Bettering of Pandemic/Thoughts with Ukraine

The COVID-19 pandemic is still present in Japan, however, the situation seems to be gradually getting better. All SHSR members are keen to join the WCHR 2022, and we are looking forward to seeing our colleagues in person.

In addition, we would like to say that we are all thinking about our colleagues and people in Ukraine.

UHRS Ukrainian Hair Research Society

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It has been four months since Ukraine has been in heroic confrontation against Russian aggression. This violent war has brought with it hard challenges for the Ukrainian people, and it has changed the life and realities of the civilized world, including the lives of all 630 members of the Ukrainian Hair Research Society (UHRS). Many of our members are in trouble; they have been forced to flee their homes and have moved to safer places in Ukraine and many of them even have left their homeland and moved abroad. Now they encounter many difficulties finding housing and work as they also deal with psychological and household problems.

The Russian army is committing barbaric war crimes in Ukraine, including using prohibited weapons; committing massacres; torturing civilians; looting; leaving behind burnt cities; destroying houses, hospitals, maternity hospitals, universities, schools, kindergartens, and churches; creating filtration camps in the occupied territories; and exposing the Ukrainian people to genocide. The goal of the barbarians is to erase our history, to erase our nationhood, our identity, and to destroy our existence as it is.

Our Ukrainian soldiers are fighting like heroes, and all Ukraine has been united by one goal: to defeat the aggressor. We have suffered terrible losses, but there is also a gain: during the 4 months of the war, the world has learned the truth about Ukrainians—the Ukrainian soul and mentality! And this has forever separated us in our mind from the barbarians. Ukraine has now become a shield not only for Europe but of the whole civilized world. We are witnessing titanic shifts in geopolitics and in the collective consciousness of people. This war has highlighted weaknesses in the world order, the security system, and has shown the true nature of the countries and peoples and our personal nature. Now every person on the planet is making their choice supporting or not supporting the democratic values. Doctors and scientists cannot remain aloof from ongoing processes since they have always been a passionate part of society that forms public opinion. There can be no semitones in the struggle between the good and the evil, and silence against evil means being a part of it.

Each of us is now doing our best in our place to bring our victory closer, to survive, to endure and to support those who need our help. We are working for our common victory by drawing the world's attention to the tragic events in Ukraine and helping our colleagues. This is our information front. We use every space, and we promise to do so in the future.

Our main activity today is the creation of a CHARITABLE FUND TO HELP MEMBERS OF THE UKRAINIAN HAIR RESEARCH SOCIETY affected by Russian aggression <https://uhrs.org.ua/en/>. The mission is to provide informational, logistical, financial, adaptive, and psychological support to the members of the UHRS in Ukraine and abroad who have suffered as a result of the shameful Russian attack on Ukraine.

We would like to pay respect to all colleagues who are ready to make their personal contribution to the protection of the

civilized world now. We would be very grateful if our foreign colleagues, friendly professional associations, and pharmaceutical companies could provide financial support or temporary employment assistance to the UHRS members who have become refugees in your country.



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UHRS Ukrainian Hair Research Society

LEARN AND SUPPORT THE UKRAINE

To raise funds to provide help for UHRS members, we have planned several charitable scientific and practical events. The first of these has already taken place thanks to the initiative of the incredible friends of Ukraine, TrichoLAB and FotoFinder Systems. Forty of the best worldwide trichologists from Australia to the USA gathered for a webinar to support Ukraine and shared their treatment scheme for hair and scalp diseases in one slide. Colleagues from around the world will now be able to access the webinar recording for \$100 at <https://tricholab.com/tricholab-on-hair>. All of the funds raised will be used to provide humanitarian aid and support to doctors, members of the UHRS suffering as a result of the war. The UHRS members will have free access to the webinar recording.



Dear colleagues, please, join us and learn hair loss treatment algorithms from Abril Martinez, Antonella Tosti, Bianca Maria Piraccini, Bruna Duque Estrada, Christian Bisanga, Claire Higgins, Colombina Vincenzi, Daniel Asz Sigall, Desmond J. Tobin, Inessa Serbina, Isabella Doche, Justyna Sicinska, Kuzma Khobzei, Leonardo Spagnol Abraham, Lyakhovitsky Anna, Maria Fernanda Gavazzoni, Maria Hordinsky, Maryanne Makredes Senna, Matilde Iorizzo, Michela Starace, Mohammad Jafferany, Ncoza Dlova, Nino Lortkipanidze, Özlem Dicle, Rachita Dhurat, Ramon Grimalt, Ratchathorn Panchaprateep, Rodney Sinclair, Rodrigo Pirmez, Rubina Alves, Sergio Vañó Galván, Jerry Shapiro, Tülin Oğuz Güleç, Yanna Kelly, Yazid Bourezane, Yuliya Ovcharenko and other great world experts.

TRAVEL GRANTS/ASSISTANCE FROM IFHRS MEMBER SOCIETIES

Another example of the collegial solidarity was the assistance of the fellow European Hair Research Society (EHRS). This year, for the 1st Barcelona Hair Meeting (<https://barcelonahair.org>), which will take place from September 29 to October 1 in the beautiful Spanish city of Sitges, the EHRS has presented 10 travel grants to facilitate attendance by young scientists and clinicians, 5 of which were awarded to UHRS members. On behalf of all our members, we thank the Board of the EHRS and personally thank Abraham Zlotogorski, Bianca Maria Piraccini, Claire Higgins, and Yuval Ramot for the decision to support Ukrainian researchers during this difficult time. We would like to express our sincere congratulations to travel grant winners Yaroslava Isaeva, Anna Khmil, Marta Hladun, Victoria Bilonoh, and Elina Dubrovskaya, and hope that this step will be the beginning of a successful scientific career in hair science.

And for those UHRS members who haven't had opportunity to apply for the grant but who really want to participate in the Barcelona meeting, our Spanish colleagues, the organizers of the 1st Barcelona Hair Meeting, have established a reduced registration fee. Registration is available via this link: <https://www.barcelonahair.org/register-now>. We thank Ramon Grimalt and Sergio Vagno Galván on behalf of all members of the UHRS for the opportunity to meet with dear colleagues and return to an active professional civilian life.

Unparalleled support to Ukrainian doctors has been provided by the Australasian Hair and Wool Research Society

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UHRS Ukrainian Hair Research Society



(AAHWRS). Thanks to the decision of the organizers of the World Congress of Hair Research, which will be held on November 18-21, 2022, in Melbourne, Australia (WCHR2022; <https://hair2022.org>), UHRS members have the opportunity to participate for free. The Ukrainian team is looking forward to this meeting to present our research in the field of psychotrichology and to share the experience of managing patients with hair diseases during the war. We truly thank for this opportunity Rodney Sinclair, Chair of WCHR2022.

ADDITIONAL WAYS TO HELP

And we are grateful to the whole world that is helping us in our struggle. We strongly believe that together we can stop this war and make our world a better place for our children. So we want to ask you to use your voice now to support Ukraine, protect humanity, and help us stop the war. Here are some ways to help:

1. Please help us by **sharing the true information about the war**. Speak to your authorities in order to support sanctions for Russia to decrease their resources that support this war. This is a high price for many businesses, but it is still less than the cost of human lives—and our peaceful future is well worth it.
2. If you wish to **support the Ukrainian army or humanitarian organizations**, here is the link to the official bank accounts in the National Bank of Ukraine:
<https://bank.gov.ua/en/news/all/natsionalniy-bank-vidkriv-spetsrahunok-dlya-zboru-koshtiv-na-potrebi-armiyi>
<https://bank.gov.ua/en/news/all/natsionalniy-bank-vidkriv-rahunok-dlya-gumanitarnoyi-dopomogi-ukrayintsyam-postrajdalim-vid-rosiyskoyi-agresiyi>
3. If you wish to support our colleagues, doctors from Ukraine, you can send your donation directly to the account of **CHARITY FUND TO HELP MEMBERS OF THE UKRAINIAN HAIR RESEARCH SOCIETY** affected by Russian aggression: <https://uhrs.org.ua/en/news/support-of-uhrs-members/>

Dear colleagues, today we have a historic opportunity to defend our common freedom, our common security, our common cultural diversity, from the greatest wave of hatred that has threatened the world in recent decades.

Together we will definitely win! Ukraine will be free. We will restore our country and we will do everything that we can to invite you all to our beautiful Ukraine!

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Executive Secretary: Victoria Ceh, MPA

Immediate Past Chair: Gillian Westgate, PhD

Managing Editor, IFHRS Newsletter: Cheryl Duckler

IFHRS MEMBER SOCIETIES

American Hair Research Society – founding member

Australasian Hair and Wool Research Society – founding member

Chinese Hair Research Society

European Hair Research Society – founding member

The Korean Hair Research Society – founding member

Russian Hair Research Society

The Society for Hair Science Research – founding member

Ukrainian Hair Research Society

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