



**13TH WORLD CONGRESS
FOR HAIR RESEARCH**

Be Enlightened by the Total Eclipse of Hair Science
DALLAS, TEXAS, USA • APRIL 6-9, 2024

**World Congress for Hair Research
April 6-9, 2024
Dallas, TX, USA**

Program Outline

As of 01/30/24

Saturday/April 6

10:00AM-7:00PM	Speaker Ready Room
10:00AM-7:15PM	Registration
11:00AM-1:00PM	AHRS BOD Meeting (<i>invitation only</i>)
1:00PM-4:30PM	Exhibit Hall Set-up
1:00PM-4:30PM	Poster Board Set-up
1:00PM-2:30PM	Pre-Congress Workshop 101: Basics of Mouse Hair Follicle Biology Come and Learn from the Experts! (<i>ticket required</i>) Director: Ralf Paus, MD USA <i>(program under development)</i>
1:00PM-4:30PM	Pre-Congress Workshop 102: Management of Hair Patients: Clinical Pearls and Practical Approaches (<i>ticket required</i>) Director: Maryanne Makredes Senna, MD USA Co-Director: Crystal Aguh, MD USA
1:00PM-1:05PM	Welcome & Introductions Maryanne Makredes Senna, MD USA
1:05PM-2:20PM	SESSION 1 - Diagnosis: Learning from the Experts: What's Your Diagnosis and How Do You Treat That? <i>Moderators:</i> Natasha Mesinkovska, MD, PhD USA Jerry Shapiro, MD USA
1:05PM-1:10PM	5' Case 1: FFA vs. Traction Alopecia in Black Female

1:10PM-1:20PM	10'	Discussion <i>Panelists:</i> Crystal Aguh, MD USA Loren Krueger, MD USA Amy McMichael, MD USA
1:20PM-1:30PM	10'	Question & Answers
1:30PM-1:35PM	5'	Case 2: Treatment Resistant LPP
1:35PM-1:45PM	10'	Discussion <i>Panelists:</i> Isabella Doche, MD Brazil Natasha Mesinkovska, MD, PhD USA Divya Sharma, MD USA
1:45PM-1:55PM	10'	Question & Answers
1:55PM-2:00PM	5'	Case 3: Moderate to Severe Female Pattern Hair Loss vs FAPD
2:00PM-2:05PM	10'	Discussion <i>Panelists:</i> Maria Fernanda Gavazzoni, MD Brazil Maria Hordinsky, MD USA Jerry Shapiro, MD USA
2:05PM-2:15PM	10'	Question & Answers
2:20PM-3:30PM		SESSION 2: Procedures for the Treatment of Alopecia <i>Moderators:</i> Isabella Doche, MD Brazil Ronda Farah, MD USA
2:20PM-2:30PM	10'	Trichoscopy and Hair Follicle Imaging Antonella Tosti, MD USA
2:30PM-2:40PM	10'	Mesotherapy Sergio Vano-Galvan, MD, PhD Spain
2:40PM-2:50PM	10'	Scalp Lasers Ronda Farah, MD USA
2:50PM-3:00PM	10'	Microneedling Rachita Dhurat, MD India
3:00PM-3:10PM	10'	Hair Transplantation Meena Singh, MD USA
3:10PM-3:20PM	10'	PRP and Exosomes Maria Hordinsky, MD USA Neil Sadick, MD USA

3:20PM-3:30PM	10'	Questions & Answers
3:30PM-3:50PM	20	<i>Coffee break</i>
3:50- 4:30 PM		<p>SESSION 3: Pearls for Optimizing Hair Loss Clinic</p> <p>Maria Fernanda Gavazzoni, MD Brazil Cheshana Kindred, MD, MBA USA</p>
3:50PM-4:00PM	10'	<p>Working with Hair Stylists as Part of Your Clinical Practice</p> <p>Cheshana Kindred, MD, MBA USA</p> <p><i>Understand how to work with hair stylists in the community or in your own practice to increase knowledge and improve patient outcomes</i></p>
4:00PM-4:10PM	10'	<p>Making the Most of Telemedicine: Experiences From a Great Center</p> <p>TBC</p>
4:10PM-4:20PM	10'	<p>Artificial Intelligence: Pros, Cons and What to Expect</p> <p>TBC</p> <p><i>Discuss the current devices using AI, skin printing, dermoscopy and tricoscopy.</i></p>
4:20PM-4:30PM	10'	<p>Questions & Answers and Final Wrap-Up</p> <p>Crystal Aguh, MD USA</p>

1:00PM-4:30PM

Pre-Congress Symposium 103: Translational Research (*ticket required*)

Session 1: New Tools for Hair Loss Research

Chair: TBC

Co-Chair: Arash Mostaghimi, MD, MPA, MPH | USA

- 1:00PM 5' **Welcome & Introductions**
- 1:05PM 17'+3 **Creation of Global Patient Registries for Hair Research: Harnessing Population-Wide Data**
TBC
- 1:25PM 17'+3 **Development of Novel Patient Reported Outcome Measures in Alopecia Areata: When Responses and Outcomes are Not Linear**
Arash Mostaghimi, MD, MPA, MPH | USA
- 1:45PM 17'+3 **Deep-Learning Based Trichoscopic Image Analysis and Quantitative Modeling in Androgenetic Alopecia**
TBC
- 2:05PM 17'+3 **Use of Big Data in Hair Loss Research: Gene Discovery Through Direct-to-Consumer Genetic Testing Databases**
TBC

2:30PM-3:00PM Coffee Break

Session 2: Advance Health Equity in Hair Loss Research

Chair: Ncoza Dlova, MD | South Africa

Co-Chair: Matthes Harries, PhD | UK

- 3:00PM 3' **Welcome and Introductions**
- 3:03PM 10'+2 **Introductory Talk**
Ncoza Dlova, MD | South Africa
- 3:15PM 10'+2 **Availability of Cranial Hair Protheses for Black Patients at Comprehensive Cancer Centers**
Lucy Rose, MA | USA
- 3:27PM 10'+2 **Inclusive Protocols for Participants Who Wear Hijabs in Alopecia Clinical Trials**
Shanelle Jackson, BS | USA
- 3:39PM 10'+2 **Trichoscopy Features in the Healthy Dark Skin Female**
Nadia El Kadi, MD, MSc | Brazil
- 3:51PM 10'+2 **Common Psychotrichological Disorders**
Nino Lortkipanidze, MD, PhD | Georgia
- 4:03PM 10'+2 **Three Do's and Don'ts When Parting Curly Hair Types for Artificial Intelligence-driven Trichoscopic Photography**
Ora Raymond, BA | USA
- 4:15PM 10'+2 **Closing Talk and Perspectives**
Matthes Harries, PhD | UK
- 4:27PM 3' **Closing Remarks**

3:00PM-4:30PM

Pre-Congress Workshop 104: The Who, What, Where and Why of Trichology
(ticket required)

Director: Gill Westgate, PhD | United Kingdom

Co-Director: David Kingsley, PhD | USA

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| 3:00PM | 15' | Welcome and Introduction: History of <i>Trichology</i> and the Major Global Trichological Organisations
Gill Westgate, PhD United Kingdom |
| 3:15PM | 20' | The Role of the Trichologist and How They Add Value Within the Patient Pathway
David Kingsley, PhD USA
Kimberly Jenkins USA |
| 3:35PM | 15' | Interdisciplinary Insights: Addressing Unmet Needs in Textured Hair Care for Enhanced Patient/Client Outcomes
TBC |
| 3:50PM | 15' | The Approach of the Dermatologist to Hair and Scalp Issues Beyond Trichology
Antonella Tosti, MD USA |
| 4:05PM | 20' | Speaker Panel Discussion and Future Perspectives
All Speakers |
| 4:25PM | 5' | Concluding Remarks
Gill Westgate, PhD United Kingdom |

4:30PM-8:30PM

Exhibit & Poster Viewing

5:00PM-6:25PM

Session 1: Opening Session & Plenary

Chair: Angela M. Christiano, PhD | USA (AHR)

Co-Chair: Wilma F. Bergfeld, MD | USA (IFHR)

Co-Chair: Yuliya S. Ovcharenko, MD, PhD | Ukraine (UHRS)

Co-Chair: Rodney Sinclair, MD | Australia (AHWR)

Co-Chair: Manabu Ohyama, MD, PhD | Japan (SHSR)

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| 5:00PM | 5' | Welcome |
| 5:05PM | 5' | Remarks from Lilly |
| 5:10PM | 5' | Remarks from Pfizer |
| 5:15PM | 5' | Remarks from Sun Pharma |
| 5:20PM | 10'+2 | Single-cell Sequencing Combined with Spatial Transcriptomics Describes the Follicular and Peri-follicular Tissue Structure and Molecular Biology Features of Scarring Alopecia
Qitao Chen China |
| 5:32PM | 10'+2 | Composition, Distribution, Abundance, Viability, and Functional Effects of the Human Hair Follicle Microbiome
Janin Edelkamp Germany |
| 5:44PM | 10'+2 | The Common Fragrance, Linalool, Promotes Core Pathology Events Associated with Frontal Fibrosing Alopecia in Human Scalp Hair Follicles Ex Vivo
Jeremy Cheret, PhD USA |
| 5:56PM | 10'+2 | Among Scalp Non-Responder Patients with Eyebrow/eyelash Regrowth in the First Year, Continued Treatment with Baricitinib Resulted in Meaningful Scalp Responses for Patients with Severe Alopecia Areata
Brett King, MD, PhD USA |
| 6:08PM | 10'+2 | Understanding Hair Loss Caused by Hedgehog Inhibitors in BCC and BCNS Syndrome Patients
Jiang Chen, MD USA |
| 6:20PM | 5' | Closing Remarks |

6:30PM-7:15PM

Session 2: Keynote Lecture

Chair: Luis Garza, MD, PhD | USA

Co-Chair: TBC

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| 6:30PM | 2' | Welcome & Introduction |
| 6:32PM | 35' | Keynote Talk: Effects of Stress on Graying of Hair
Ya-Chieh Hsu, PhD
<i>Harvard University</i> |
| 7:07PM | 8' | Q&A |

7:15PM-8:45PM

Welcome Reception

Sunday/April 7

7:00AM-6:00PM	Speaker Ready Room
7:00AM-6:00PM	Registration
7:30AM-8:30AM	IFHRS Board Meeting (<i>invitation only</i>)
8:30AM-4:30PM	Exhibit and Poster Viewing
7:00AM-8:00AM	Satellite Symposium #1 (<i>ticket required</i>) Sponsored by Pfizer <i>(program under development)</i>
8:30AM-10:00AM	Session 3: Cutting Edge Hair Research Technologies Chair: John Seykora, MD, PhD (USA) Co-Chair: Ralf Paus, MD (USA/Europe)
8:30AM	5' Welcome & Introductions
8:35AM	20'+5 Single Cell RNAsequencing and Spatial Transcriptomics Andrew Ji, MD USA <i>Icahn School of Medicine at Mount Sinai</i>
9:00AM	20'+5 Directed Differentiation of iPSCs to Hair Follicles Kiarash Khostrotrahani, MD, PhD Australia <i>The University of Queensland Frazer Institute</i>
9:25AM	20'+5 Hair Follicle Imaging Nicolas Tissot, PhD France <i>L'Oreal</i>
9:50AM	10' Panel Q&A
10:00AM-10:30AM	Session 4: Keynote Lecture Chair: Daniel Asz-Sigall, MD Mexico Co-Chair: TBC
10:00AM	2' Welcome & Introductions Daniel Asz-Sigall, MD Mexico
10:02AM	25' Chemotherapy Induced Hair Loss Mario E. Lacouture, MD USA <i>NYU Grossman Long Island School of Medicine</i>
10:27AM	3' Q&A
10:30AM-11:00AM	Coffee Break
10:30AM-11:30AM	Live Patient Viewing

11:00AM-12:30PM

Session 5: Male Pattern Hair Loss

Chair: Ken Washenik, MD, PhD | USA

Co-Chair: Ratchathorn Panchaprateep, MD, PhD | Thailand

11:00AM	5'	Welcome & Introductions Ken Washenik, MD, PhD USA
11:05AM	17'+3	Novel Treatments for Androgenetic Alopecia Ratchathorn Panchaprateep, MD, PhD Thailand
11:25AM	8'+2	Reversal of AGA Miniaturised Hairs Observed in Follicular Units over 5 Years Peter Feldman United Kingdom
11:35AM	17'+3	Efficacy and Safety of Topical Finasteride for treatment of Androgenetic Alopecia Ulrike Blume Peytavi, MD Germany
11:55AM	8'+2	TRPML Mediated Autophagy Participates in Hair Regeneration in Androgenetic Alopecia Xiuzu Song, PhD China
12:05PM	17'+3	Safety of Low-Dose Oral Minoxidil in Patients With Hypertension and Arrhythmia Sergio Vano Galvan, MD, PhD Spain
12:25PM	5'	Closing Ratchathorn Panchaprateep, MD, PhD Thailand

11:00AM-12:30PM

Session 6: Hair Follicle Stem Cells

Chair: Sarah Millar, PhD | USA

Co-Chair: Ting Chen, PhD | China

This session will present the forefront of research and insights into real-time visualization of hair follicle stem cells, the development of organoids for modeling hair growth, and the intricate regulatory mechanisms within the microenvironment that influence stem cell behavior, offering a comprehensive exploration of the latest technologies and discoveries in the field.

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| 11:00AM | 5' | Welcome & Introductions
Sarah Millar, PhD USA |
| 11:05AM | 17'+3 | Local and Systemic Mechanisms that Control the Hair Follicle Stem Cell Niche
Ting Chen China |
| 11:25AM | 8'+2 | Hair Follicle Organoids Derived from Human Hair Follicle Stem Cells and Fibroblasts
Weiling Lian, PhD China |
| 11:35AM | 17'+3 | Intravital Imaging of Hair Follicle Niche Architecture
TBC |
| 11:55AM | 8'+2 | HIF1a- and ARNT-Related Cell State Transitions and Fate Divergence During the Human Hair Follicle Cycle
Andrey A. Panteleyev, PhD Russia |
| 12:05PM | 17'+3 | Hair-Follicle Mesenchymal Stem Cell Activity during Homeostasis and Wound Healing
David Enshell-Seijffers Israel |
| 12:25PM | 5' | Closing
Ting Chen, PhD China |

12:30PM-2:00PM

Lunch

12:45PM-1:45PM

Satellite Symposium #2 *(ticket required)*

Sponsored by Lilly

Understanding JAK Selectivity and Critical Appraisal of Trials in Severe AA: Application to Clinical Decision Making

Speakers: Brett King, MD, PhD and Brittany Craiglow, MD

2:00PM–3:30PM

Session 7: Alopecia Areata and Immunobiology

Chair: Jerry Shapiro, MD | USA

Co-Chair: Kevin McElwee, PhD | United Kingdom

2:00PM	5'	Welcome & Introductions Jerry Shapiro, MD USA
2:05PM	17'+3	Treatment Advances in Alopecia Areata Jerry Shapiro, MD USA
2:25PM	8'+2	Regulatory $\gamma\delta$T Cells Protect Human Scalp Hair Follicles from Alopecia Areata in Vivo Amos Gilhar Israel
2:35PM	17'+3	Interrogation of Alopecia Areata Using Ex Vivo Models Marta Bertolini, PhD Italy
2:55PM	8'+2	Deuruxolitinib Achieves Significant Scalp Hair Regrowth in Adult Patients with Moderate to Severe Alopecia Areata: Efficacy Results from the Multinational, Placebo-controlled THRIVE-AA2 Phase 3 Trial Athanasios Tsianakas, MD, PhD Germany
3:05PM	17'+3	Autoantigen Discovery in Alopecia Areata TBC
3:25PM	5'	Closing Kevin McElwee, PhD United Kingdom

2:00PM–3:30PM

Session 8: Imaging and Trichoscopy Advances

Chair: Antonella Tosti, MD | USA

Co-Chair: Daniel Asz-Sigall, MD | Mexico

Learn how technology helps in the diagnosis and management of hair disorders.

2:00PM	5'	Welcome & Introductions Antonella Tosti, MD USA
2:05PM	17'+3	Innovative Use of Teletrichoscopy during Teledermatology Visits for Diagnosis of Hair Disorders Antonella Tosti, MD USA
2:25PM	8'+2	Preferential Laterality in Scalp Hair Density Amanda N. Duong, BS USA
2:35PM	17'+3	The Great Pretenders: Diagnosis of Conditions Mimicking Androgenetic Alopecia TBC
2:55PM	8'+2	Central Centrifugal Cicatricial Alopecia: Trichoscopy and Epidemiology Ivie Obeime, DO USA
3:05PM	17'+3	Emergence of Secondary Alopecias from Surgical and Cosmetic Procedures Daniel Asz-Sigall, MD Mexico
3:25PM	5'	Closing Daniel Asz-Sigall, MD Mexico

2:00PM–3:30PM

Session 9: Live Patient Viewing Discussion & Devices

Chair: Paradi Mirmirani, MD | USA

Co-Chair: Katherine Ayode, MD, PhD | USA

2:00PM

5'

Introduction

Paradi Mirmirani, MD | USA

2:05PM

30'

Panel Discussion

Panelists:

Rodney Sinclair, MD | Australia

Ratchathorn Panchaprateep, MD, PhD | Thailand

Maria Hordinsky, MD | USA

Matthes Harries, PhD | United Kingdom

2:35PM

10'+3

Adolescent Male Presenting as Cicatricial Female Pattern Hair Loss

Guanghai Shao | China

2:48PM

10'+3

Yellow Dots in Frontal Fibrosing Alopecia: Report of Three Cases

Andrei Doroshkevich, MD | Russia

3:02PM

15'+3

Quantitative Imaging for Hair Loss Driven by Artificial Intelligence

Douglas Canfield, CEO, Canfield Scientific

3:20PM

10'

Final Questions & Answers

3:30PM-4:00PM

Coffee Break

3:30PM-4:00PM

EHRB BOD Meeting (*invitation only*)

4:00PM-5:30PM

Session 10: Hair Restoration Surgery

Chair: Nicole Rogers, MD | USA

Co-Chair: Arthur Tykocinski, MD | Brazil

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| 4:00PM | 5' | Welcome & Introductions
Nicole Rogers, MD USA |
| 4:05PM | 17'+3 | Advances in Hair Restoration for Curly and Textured Hair
Nicole E. Rogers, MD USA |
| 4:25PM | 8'+2 | Hair Transplantation in Decalvans Folliculitis. Efficacy Assessment in a Series of Nine Patients in Real Practice.
Ruth Cova-Martín, MD Spain |
| 4:35PM | 17'+3 | TBC
TBC |
| 4:55PM | 8'+2 | Treatment of Vitiligo-Associated Leukotrichia Using a Trichiasis Electrolyzer and Single Hair Follicle Transplantation
Yi Wu, MD China |
| 5:05PM | 17'+3 | TBC
TBC |
| 5:25PM | 5' | Closing
Arthur Tykocinski, MD Brazil |

4:00PM-5:30PM

Session 11: Great Cases from Around the World

Chair: Isabella Doche, MD, PhD | Brazil

Co-Chair: Abraham Zlotogorski, MD | Israel

In this interactive and dynamic session, interesting and unique cases from all over the world will be presented. Participants will be encouraged to interact asking questions and providing highlights during the discussion time.

4:00PM	3'	Welcome & Introductions Isabella Doche, MD, PhD Brazil
4:03PM	5'	Cicatricial Alopecia Related to Folliculotropic Mycosis Fungoides: A Case Report and Literature Review Ruiming Hu, MD China
4:08PM	5'	IFAP Syndrome: A Case Series Can Cui China
4:13PM	5'	Trichoscopy Findings of Syringoid Eccrine Carcinoma in Scalp Manuela Recoder, MD Brazil
4:18PM	5'	Half-scalp Alopecia Caused by Endovascular Embolization Treatment: A Case Report Xi Chen China
4:23PM	8'	Discussion
4:31PM	5'	Lichen Planopilaris Mimicking Erosive Pustular Dermatitis of the Scalp: Report of Two Cases Qiuwei Tao China
4:36PM	5'	Pressure Alopecia as a Side Effect of Lateral Face Lift Olga Busko, MD Ukraine
4:41PM	5'	Hair Restoration Surgery as Single Treatment for Cutis Vertix Gyrata Leila D. Bloch, MD, PhD Brazil
4:46PM	5'	Central Centrifugal Cicatricial Alopecia in Men Ivie Obeime, DO USA
4:51PM	8'	Discussion
4:59PM	5'	Trichoscopic Findings and Detection of Treponema Pallidum Through Polymerase Chain Reaction in Syphilitic Alopecia: Report of 5 Cases Danielle Cristine Westphal, MD Brazil
5:04PM	5'	Frontal Fibrosing Alopecia as Facial Dermatitis Aida Gadzhigoroeva
5:09PM	5'	Two Cases of Hypotrichosis 14 Caused by a Novel and a Recurrent Mutation in the LSS Gene Mengxi Zhao China
5:14PM	5'	Alopecia Patterns and Trichoscopic Findings in

Autosomal Recessive Congenital Ichthyosis Patients
Anissa Zaouak, MD | Tunisia

5:19PM 8' Discussion

5:27PM 3' **Final Remarks**
Abraham Zlotogorski, MD | Israel

4:00PM-5:30PM

Session 12: Single Cell Analysis of the Hair Follicle

Chair: Ryan Driskell, PhD | USA

Co-Chair: Manabu Ohyama, MD, PhD | Japan

Single cell analysis is an emerging technology enabling various omics approaches and the elucidation of cell-cell interactions at the single cell level. This session showcases how this novel technique is adopted for studying the dynamics of hair follicle biology and dissecting the pathophysiology of previously unknown of hair diseases.

4:00PM 5' **Welcome & Introductions**
Ryan Driskell, PhD | USA

4:05PM 17'+3 **Dermal Sheath Contraction during Hair Follicle Regression and Niche Remodeling**
Michael Rendl, MD | USA

4:25PM 8'+2 **Single-Cell and Spatial Analysis of Perinatal Mouse Skin: Dynamic Lineage Differentiation of Dermal Fibroblast**
Hanjae Lee, MD | South Korea

4:35PM 17'+3 **Integrated Single-Cell Chromatin and Transcriptomic Analyses of Human Scalp Identify Critical Cell Types for Hair Diseases**
TBC

4:55PM 8'+2 **Progenitor Cell Depletion Driven by Aberrant Dermal Sheath Contraction Induces Premature Hair Follicle Regression in Androgenetic Alopecia**
Zhili Deng, PhD | China

5:05PM 17'+3 **Single-Cell Transcriptomic Analysis and Spatial Organization of Regenerative and Hair Follicle Fibroblast Populations**
Ryan Driskell, PhD | USA

5:25PM 5' **Closing**
Manabu Ohyama, MD, PhD | Japan

5:30PM-6:00PM

Methods Matchmaking

Chair: Michael Rendl, MD | USA

Co-Chair: Carlos Clavel, PhD | Singapore

The goal of this interactive and informal session is to provide a dedicated time and space for basic and clinical hair researchers to come together in search of new partnerships. In this session, we encourage participants to come with ideas in search of collaborations aimed at tackling unsolved clinical or research questions using innovative new technologies. Please bring a slide or two with your novel idea or a burning question, a series of cases with your favorite hair disorder, or a research problem worth solving to 'pitch' to the group, with the intention of forging new research pairings among basic and clinical hair research colleagues.

5:30PM-6:00PM

Curbside Consults

Chair: Valerie Callendar, MD | USA

Co-Chair: Andrew Messenger, MD | United Kingdom

The goal of this fun and fast-paced session is to provide a platform for clinical hair experts from around the world to bring interesting case reports of undiagnosed hair disorders to present to your expert colleagues in search of a diagnosis. Please bring a few slides to illustrate your interesting unsolved case and present it to the group in 1-2 minutes. Participants will then 'crowd-source' ideas and provide you with feedback to help come to a diagnosis in real-time, or to suggest follow up next steps to investigate further in search of an answer to your unsolved cases.

6:00PM-7:00PM

Satellite Symposium #3 (ticket required)

Sponsored by L'Oreal

The Uniqueness of Curls: From Fundamental Science to Personalized Solutions

Moderator: Philippe Barbarat

Special Speaker: The Texture of Change, Erica Roberson

Presentations:

New Tools and Technologies to Evaluate Curly Hair

Advances in Curly Hair Fiber Care

Hair Loss Typology

Monday/April 8

7:00AM-12:00PM & 2:00PM-5:30PM **Speaker Ready Room**

7:00AM-12:00PM & 2:00PM-6:00PM **Registration**

8:00AM-12:30PM & 2:00PM-5:00PM Exhibit and Poster Viewing

Session 13: Plenary

Chair: Natasha Mesinkovska, MD, PhD | USA

Co-Chair: TBC

8:15AM 5' **Welcome & Introductions**
Natasha Mesinkovska, MD, PhD | USA

8:20AM 10'+2 **Short Anagen Hair Syndrome: Association with Mono- and Biallelic Variants in WNT10A and a Genetic Overlap with Male Pattern Hair Loss**
Nicole Cesarato, Msc | Germany

8:32AM 10'+2 **Nerve–stem Cell Interaction Across Age and Sex**
Yulia Shwartz, PhD | USA

8:44AM 10'+2 **Regional Expression of Secreted Wnt Inhibitors Dictates Formation of Hairless and Poorly Haired Skin**
Alicia Ho, BS | USA

8:56AM 10'+2 **A Multi-Omics Approach to Create a Human Hair Atlas for Healthy and AGA Models**
Carlos Clavel, PhD | Singapore

9:08AM 10'+2 **Three-dimensional Ultra-high Frequency Ultrasound Visualizes Phase-specific Microstructural Changes in Alopecia Areata: An Innovative Modality Facilitating Pathophysiology-based Treatment Planning**
Tatsuro Iwasaki, MD | Japan

9:20AM 20' **Presentation of the 2024 David A. Whiting, MD, Leadership and Research Award**

Session 14: Keynote Lecture

Chair: TBC

Co-Chair: Yutaka Shimomura, MD, PhD | Japan

Keynote Speaker on Astrophysics and Eclipses

10:30AM-11:00AM Coffee Break & Formal Poster Session

11:00AM-12:30PM

Session 15: Scarring Alopecias

Chair: Elise Olsen, MD | USA

Co-Chair: Sergio Vano Galvan, MD, PhD | Spain

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| 11:00AM | 5' | Welcome & Introductions
Elise Olsen, MD USA |
| 11:05AM | 17'+3 | Building the Clinical Research Ecosystem for Scarring Alopecias
TBC |
| 11:25AM | 8'+2 | Central Centrifugal Alopecia Prevalence in a Large Cohort of Black Women
Jonique Depina, MS USA |
| 11:35AM | 17'+3 | Novel Treatment Modalities for Lymphocytic and Neutrophilic Scarring Alopecias
TBC |
| 11:55AM | 8'+2 | Association of Fibroids and Endometriosis and Scarring Alopecias
Chino Ogbutor, BA USA |
| 12:05PM | 17'+3 | Clinical Factors and Hair Care Practices Influencing Outcomes in Central Centrifugal Cicatricial Alopecia
TBC |
| 12:25PM | 5' | Closing
Sergio Vano Galvan, MD, PhD Spain |

11:00AM-12:30PM

Session 16: Hair Follicle Morphogenesis and Dermal Papilla

Chair: Cheng Ming Chuong, MD, PhD | USA

Co-Chair: Colin Jahoda, PhD | United Kingdom

In this session, we put together recent lines of progress towards new understanding about the formation of hair follicles in different skin regions, in repair versus regenerative wound healing processes, and in engineered skin organoids with emphasis on regaining dermal papilla properties. Through the interaction in this session, we hope to integrate our current knowledge about follicle morphogenesis and move toward translation.

11:00AM	5'	Welcome & Introductions Cheng Ming Chuong, MD, PhD USA
11:05AM	17'+3	Patterning and Regional Specification of Hairy Skin Sarah Millar, PhD USA
11:25AM	8'+2	Investigating the Intrinsic Regulation of the Hair Follicle Stem Cell Niche by Mef2c - Developing Novel in Vivo and in Vitro Tools Tracy Z. Tien, BSc Singapore
11:35AM	17'+3	Human iPS Cell-Derived Cell Aggregates Exhibit Dermal Papilla Cell Properties in Three-Dimensional Structures Mimicking Hair Follicles Manabu Ohyama, MD, PhD Japan
11:55AM	8'+2	Establishment of in Vitro Approach Adopting Trichogenenic Signal Activation and Three-dimensional Reconstruction for Improvement of Biomarker Expression Levels in Cultured Human Dermal Papilla Cells Reina Hayakawa, MD, PhD Japan
12:05PM	17'+3	A Novel Bilayered 3D Spheroid Model of Human Hair Protofollicles TBC
12:25PM	5'	Closing Colin Jahoda, PhD United Kingdom

11:00AM-12:30PM

Session 17: Hair Care and Aesthetics

Chair: Maria Fernanda Gavazzoni, MD | Brazil

Co-Chair: Eddy Wang, PhD | USA

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| 11:00AM | 5' | Welcome & Introductions
Maria Fernanda Gavazzoni, MD Brazil |
| 11:05AM | 17'+3 | Ethnobotany and the Role of Plant Natural Products in Hair Loss Treatments
Cassandra Quave, PhD USA |
| 11:25AM | 8'+2 | Assessing the Impact of Glycerin on Hair Fiber Properties
Anwar W. Zahar, BS |
| 11:35AM | 17'+3 | Evaluation of Hair Regeneration Active Compounds
TBC |
| 11:55AM | 8'+2 | Hair Follicle, Fiber, and Scalp Are Affected in Age-associated Decrease of Hair Diameter
Eddy Wang, PhD USA (L'Oreal) |
| 12:05PM | 17'+3 | Understanding Cosmetic Resources to Provide Options for Patients with Hair Disorders
Maria Fernanda Gavazzoni, MD Brazil |
| 12:25PM | 5' | Closing
Eddy Wang, PhD USA |

12:30PM-2:15PM

Eclipse Viewing on the Pool Deck

2:15PM–3:45PM

Session 18: Regenerative Medicine and Biologic Therapies

Chair: Neil Sadick, MD | USA

Co-Chair: Mason Lei, MD | China

2:15PM	5'	Welcome & Introductions Neil Sadick, MD USA
2:20PM	17'+3	Regulation and Dysregulation of Hair Regeneration Cheng Ming Chuong, MD, PhD USA
2:40PM	8'+2	Cryopreserved Follicles as a Diverse Source of Cells for Regenerative Medicine Jennifer L. Dillon, PhD United Kingdom
2:50PM	8'+2	TBD Neil Sadick, MD USA
3:00PM	8'+2	TBD TBC
3:10PM	8'+2	Quantification of Extracellular Vesicles in Clinical Samples of Platelet-poor Plasma, Platelet-rich Plasma and Activated Platelet-rich Plasma Javed Shaik, PhD USA
3:20PM	17'+3	Mechanical Force Drives the Initial Mesenchymal-Epithelial Interaction During Skin Organoid Development Mason Lei China
3:40PM	5'	Closing Mason Lei, MD China

2:15PM–3:45PM

Session 19: Female Hair Loss, Hormones, and Aging

Chair: Wilma Bergfeld, MD | USA

Co-Chair: Ulrike Blume-Peytavi, MD | Germany

Don't miss the exciting new innovative approaches and novel treatments of Female Pattern Hair Loss. An old subject made new.

2:15PM	5'	Welcome & Introductions Wilma Bergfeld, MD USA
2:20PM	17'+3	Treatment of Female Pattern Hair Loss with Novel Combination Therapies Wilma Bergfeld, MD USA
2:40PM	8'+2	Cultured Dermal Papilla and Dermal Sheath Cells from Female Scalp Express Significantly Different Transcriptional and Proteomic Profiles with Age Richard Baker, BSc United Kingdom
2:50PM	17'+3	Hair and Hormones: Management of Hair Disorders in Menopausal Women TBC
3:10PM	8'+2	Exploring Novel Treatments for Female Pattern Hair Loss: Estetrol Promotes Anagen Prolongation, Dermal Papilla Functions and Expansion of Stem Cell Progeny in Female Hair Follicles Ex Vivo Marta Bertolini Germany
3:20PM	17'+3	Underlying Drivers of Progressive Female Scalp Hair Loss: Casual vs. Causal TBC
3:40PM	5'	Closing Ulrike Blume-Peytavi, MD Germany

2:15PM–3:45PM

Session 20: Hair Follicle Microenvironment

Chair: Michael Rendl, MD | USA

Co-Chair: Claire Higgins, PhD | United Kingdom

This session will delve into how the follicle interacts with other cells within the follicle milieu. It will include presentations about how the follicle can influence the surrounding microenvironment, and how non-follicular cells (e.g. immune cells) can influence the behaviour of the follicle.

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| 2:15PM | 5' | Welcome & Introductions
Michael Rendl, MD USA |
| 2:20PM | 17'+3 | Anagen Hair Follicles Transplanted Into Human Scarred Skin Remodels Surrounding Fibrotic Tissue
Claire Higgins, PhD United Kingdom |
| 2:40PM | 8'+2 | MPZL3 Regulates Sebaceous Gland Morphogenesis and Homeostasis in vivo and ex vivo
Tongyu Wikramanayake, PhD USA |
| 2:50PM | 17'+3 | Dedifferentiation Maintains Melanocyte Stem Cells in a Dynamic Niche
Mayumi Ito, PhD USA |
| 3:10PM | 8'+2 | Single-Cell Transcriptome Sequencing Reveals the Involvement of Mast Cells in Microinflammation in Miniaturized Hair Follicles of Male Pattern Hair Loss
Yuou Sha, PhD student China |
| 3:20PM | 17'+3 | Targeted Immunotherapy for Hair Regrowth and Regeneration
Etienne Wang, PhD Singapore |
| 3:40PM | 5' | Closing
Claire Higgins, PhD United Kingdom |

3:45PM-4:15PM

Coffee Break & Formal Poster Session

4:15PM-5:45PM

Session 21: Photobiomodulation and Lasers

Chair: Maria Hordinsky, MD | USA

Co-Chair: Sung-Jan (Jerry) Lin, MD, PhD | Taiwan

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| 4:15PM | 5' | Welcome & Introductions
Maria Hordinsky, MD USA |
| 4:20PM | 17'+3 | Photobiomodulation Therapy for Androgenetic Alopecia: A Clinician's Guide to FDA-Approved Home-Use Devices
Maria Hordinsky, MD USA |
| 4:40PM | 8'+2 | A Prospective, Randomized, Controlled, Evaluator Blinded Trial of Topical 5% Minoxidil Alone, Minoxidil Plus Oral Spironolactone, and Minoxidil Plus Low-level Light Therapy in the Treatment of FPHL
Fenglin Zhuo, MD China |
| 4:50PM | 17'+3 | Depilatory Laser Miniaturizes Hair by Inducing Bystander Dermal Papilla Cell Necrosis Through Thermal Diffusion
Jerry (Sung-Jan) Lin Taiwan |
| 5:10PM | 8'+2 | Long term efficacy & Safety of Low-level Laser Therapy: A 48-week, Multi-Center, Prospective Open Study
Chang Hun Huh, MD, PhD South Korea |
| 5:20PM | 17'+3 | Combined Photobiomodulation and Pulsed Electromagnetic Field Therapy in Androgenetic Alopecia
Byung Cheol Park, MD, PhD South Korea |
| 5:40PM | 5' | Closing
Sung-Jan (Jerry) Lin, MD, PhD Taiwan |

4:15PM-5:45PM

Session 22: Hair Follicle Pigmentation, Cycling, and Senescence

Chair: Mayumi Ito, PhD | USA

Co-Chair: Andrey A. Panteleyev, PhD | Russia

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| 4:15PM | 5' | Welcome & Introductions
Mayumi Ito, PhD USA |
| 4:20PM | 17'+3 | Human Hair Graying Revisited: Principles, Misconceptions, and New Research Frontiers
Ralf Paus, MD USA |
| 4:40PM | 8'+2 | Epithelially Derived, Mitochondrially Localized MPZL3 Regulates Murine and Human Hair Follicle Cycling
Tongyu Wikramanayake, PhD USA |
| 4:50PM | 17'+3 | Hair Follicle Stem Cells Clear Apoptotic Cellular Debris During Catagen to Maintain Hair Follicle Integrity
Katherine Stewart, PhD USA |
| 5:10PM | 8'+2 | Inducing Fate Changes at the Hair Follicle Stem Cell Niche to Regulate Hair and Skin Pigmentation
Carlos Clavel, PhD Singapore |
| 5:20PM | 17'+3 | Obesity Accelerates Hair Thinning by Stem Cell-Centric Converging Mechanisms
TBC |
| 5:40PM | 5' | Closing
Andrey A. Panteleyev, PhD Russia |

4:15PM-5:45PM

Session 23: Hair Care and Management in Gender Diverse Patients

Chair: Ronda Farah, MD | USA

Co-Chair: Chinmanat Lekhavat, MD | Thailand

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| 4:15PM | 5' | Welcome & Introductions
Ronda Farah, MD USA |
| 5:20PM | 17'+3 | The Hair Follicle: A Paradoxical Androgen Target Organ
Valerie Randall, PhD United Kingdom |
| 4:40PM | 8'+2 | Changes in Scalp Hair Within 6 Months of Commencing Gender-affirming Hormone Therapy: An Observational Study
Gia T. Tang, BMedSc, MD, MPHTM Australia |
| 4:50PM | 17'+3 | Management of Hair Removal in Transgender Individuals
Chinmanat Lekhavat, MD Thailand |
| 5:10PM | 8'+2 | Hair Restoration Surgery for the Transgender Patient
Leila D. Bloch, MD, PhD Brazil |
| 4:20PM | 17'+3 | Hair Loss in a Gender Diverse Population
Ronda Farah, MD USA |
| 5:40PM | 5' | Closing
Chinmanat Lekhavat, MD Thailand |

5:00PM-7:00PM

Exhibit Hall & Poster Tear Down

7:00PM-10:00PM

Texas Hoedown Congress Dinner *(ticket required)*

Wear your jeans, boots, and a cowboy hat and join us for a Texas-style dinner complete with line dancing, country music and a barbecue dinner.

Tuesday/April 9

7:00AM-2:00PM **Speaker Ready Room**

7:00AM-2:00PM **Registration**

7:00AM-8:00AM EHRS General Assembly (*invitation only*)

8:00AM-8:45AM **Coffee with the Experts**

9:00AM-10:00AM **Session 24: Plenary Session**

Chair: Maryanne Senna, MD | USA

Co-Chair: Ohsang Kwon, MD, PhD | South Korea

9:00AM 5' **Welcome & Introductions**
Maryanne Senna, MD | USA

9:05AM 8'+2 **Decreased CD19+CD24hiCD38hi Regulatory B Cells in Alopecia Areata**
Jin Park, MD, PhD | South Korea

9:15AM 8'+2 **Transient p53/p21-activation Selectively Protects Healthy Human Hair Follicles and Their Stem Cells from 4-HC and Paclitaxel-induced Alopecia**
Jeremy Cheret, PhD | USA

9:25AM 8'+2 **Innervation Patterns Around the Human Hair Follicle**
Anna DY Rhodes, MEng | United Kingdom

9:35AM 8'+2 **Wnt Pathway Activation Modifies Collective Dermal Papilla Cell Behaviour, Delays Cell Outgrowth and Proliferation, and Reduces DNA Damage Repair During Initial 3D to 2D Transition in Explant Culture**
Yaqi Ye, MSc | United Kingdom

9:45AM 8'+2 **Long-term Efficacy of Ritlecitinib up to Month 24 from the ALLEGRO Phase 2b/3 and Long-term Phase 3 Clinical Studies in Alopecia Areata (AA)**
Melissa Piliang, MD | USA

9:55AM 5' **Closing**
Ohsang Kwon, MD, PhD | South Korea

10:00AM-10:45AM

Session 25: Keynote lecture

Chair: Claire Higgins, PhD | United Kingdom

Co-Chair: Sergio Vano Galvan, MD, PhD | Spain

10:00AM 5' **Welcome & Introduction**
Claire Higgins, PhD | United Kingdom

10:05AM 30' **Ebling Lecture: All Roads Lead To The Nucleus: How Epigenetic Machinery Orchestrates Hair Growth**
Vladimir Botchkarev, MD, PhD | USA

10:35AM 10' **Presentation of Award**
Claire Higgins, PhD | United Kingdom & Sergio Vano Galvan, MD, PhD | Spain

10:45AM-11:00AM

Coffee Break

11:00AM-12:00PM

Session 26: Biology and Biophysics of Textured Hair

Chair: Amy McMichael, MD | US

Co-Chair: Ncoza Dlova, MD | South Africa

This session will equip attendees with invaluable insights on:

- 1. How to approach and handle hair loss in patients from various cultural and religious backgrounds and the dos and don'ts for trichoscopy photography of curly hair.*
- 2. Garner insights on what normal trichoscopy is, for melanin rich skin types.*
- 3. Learn more about the psychological disorders that present with hair loss and what hair camouflage prostheses are available for Black patients with hair loss.*

11:00AM 5' **Welcome & Introductions**
Amy McMichael, MD | US

11:05AM 12'+3 **Classification of Diverse Hair Types**
Ncoza Dlova, MD | South Africa

11:20AM 8'+2 **Novel Disease Activity Scale for Central Centrifugal Cicatricial Alopecia**
Crystal Aguh, MD | USA

11:30AM 12'+3 **Reimagining Hair Science: A New Approach to Classify Curly Hair Phenotypes via New Quantitative Geometric and Structural Mechanical Parameters**
TBC

11:45AM 8'+2 **Creation of a Validated Photographic Scale to Assess Textured Hair Cosmetic Properties**
Kaelynn Workman, BS | USA

11:55AM 5' **Closing**
Ncoza Dlova, MD | South Africa

11:00AM–12:00PM

Session 27: Pediatric Hair Loss and Genodermatoses

Chair: Brittany Craiglow, MD | USA

Co-Chair: Regina Betz, MD | Germany

- 11:00AM 5' **Welcome & Introductions**
Brittany Craiglow, MD | USA
- 11:05AM 12'+3 **Shared Genetic Risk Variants in Male and Female Frontal Fibrosing Alopecia**
TBC
- 11:20AM 8'+2 **A Rare Variant in the SREBF1 Gene May Be Associated with Monilethrix**
Yutaka Shimomura, MD, PhD | Japan
- 11:30AM 12'+3 **Safety and Efficacy of JAK inhibitors in the Treatment of Pediatric and Adolescent Alopecia Areata**
Brittany Craiglow, MD | USA
- 11:45AM 8'+2 **Clinical and Etiological Factors Associated with the Manifestation of Immune-mediated Comorbidities and Nail Abnormalities in Alopecia Areata**
F. Buket Basmanav | Germany
- 11:55AM 5' **Closing**
Regina Betz, MD | Germany

11:00AM–12:00PM

Session 28: Hair Follicle Metabolism & Micronutrients

Chair: George Cotsarelis, MD | USA

Co-Chair: Luis Garza, MD, PhD | USA

- 11:00AM 5' **Welcome & Introductions**
George Cotsarelis, MD | USA
- 11:05AM 12'+3 **Commensal Microbiome Promotes Hair Follicle Regeneration by Inducing Keratinocyte HIF-1 α Signaling and Glutamine Metabolism**
Luis Garza, MD, PhD | USA
- 11:20AM 8'+2 **Deletions of Retinol Dehydrogenases Sdr16c5 and Sdr16c6 Alter the Hair Cycle and HFSC Marker, CD34, in Mice**
Regina B. Newman, MS | USA
- 11:30AM 12'+3 **Topical Inhibition of the Electron Transport Chain Stimulates the Hair Cycle**
William Lowry, PhD | USA
- 11:45AM 8'+2 **Topical T3 and T4 Promote Hair Follicle Growth in Intact Human Scalp Skin Ex Vivo**
Jeremy Cheret, PhD | USA
- 11:55AM 5' **Closing**
Luis Garza, MD, PhD | USA

12:15PM-1:15PM

Session 29: JAK Inhibitors in the Treatment of Hair Loss

Chair: Brett King, MD, PhD | USA

Co-Chair: Rodney Sinclair, MD | Australia

Janus kinase (JAK) inhibitors have forever changed alopecia areata (AA), making treatment of moderate to severe disease possible. There is data suggesting that JAK inhibitors may be effective for treatment of other inflammatory alopecias, too. In this Session, the broad reach and potential of JAK inhibitors across inflammatory hair loss disorders will be reviewed.

12:15PM	5'	Welcome & Introductions Rodney Sinclair, MD Australia
12:20PM	12'+3	JAK Inhibitors in the Treatment of Alopecia Areata Brett King, MD, PhD USA
12:35PM	8'+2	Oral Upadacitinib Restores Hair Loss in Alopecia Areata Patients Jing Chen, MD, PhD China
12:45PM	12'+3	Inflammatory Alopecias: Novel Approaches to Treatment Using JAK Inhibitors Rodney Sinclair, MD Australia
1:00PM	8'+2	Systemic and Topical Janus Kinase Inhibitors in the Treatment of Lichen Planopilaris and Frontal Fibrosing Alopecia Li-Chi Chen, MD USA
1:10PM	5'	Closing Brett King, MD, PhD (USA)

12:15PM-1:15PM

Session 30: Psychosocial Burden of Hair Disorders & Outcome Measures

Chair: Arash Mostaghimi, MD, MPA, MPH | USA

Co-Chair: Yuliya Ovcharenko, MD, PhD | Ukraine

The study of the mental component associated with trichological manifestations reflects a modern personalized approach to the patient. Understanding the negative impact of stress on hair growth and integrating coping strategies in the treatment of trichopathologies, as well as the development of new pharmacotherapeutic strategies, may lead to expanded therapeutic modalities with relief of clinical symptoms as well as associated psychological consequences. The session will present the results of modern clinical studies carried out in tandem by dermatologists, psychiatrists and psychologists, focused on studying the impact of hair diseases on the patient's quality of life, the development and validation of rating scales for various trichopathologies, and the analysis of correlations of specific forms of alopecia with mental illnesses.

12:15PM	5'	Welcome & Introductions Arash Mostaghimi, MD, MPA, MPH USA
12:20PM	12'+3	Beyond Health-Related Quality of Life: A New Scale for Addressing the Gap in Assessing the Full Range of Alopecia Areata Psychosocial Burden Kiki Gorbatenko-Roth, PhD USA
12:35PM	8'+2	Cicatricial Alopecia Patient Assessment & Impact Report Jean Pickford USA
12:45PM	12'+3	Dermatotr ichological Conditions Arising After Psychotrauma Yuliya Ovcharenko, MD, PhD Ukraine
1:00PM	8'+2	Improvements in Health-Related Quality of Life and Psychological Symptoms in Patients with Severe Alopecia Areata Achieving Scalp Hair Regrowth: Results from Two Randomized Controlled Trials Arash Mostaghimi, MD, MPA, MPH USA
1:10PM	5'	Closing Yuliya Ovcharenko, MD, PhD Ukraine

12:15PM-1:15PM

Session 31: Ethno-Botany & Compounds for Hair

Chair: Cassandra Quave, PhD | USA

Co-Chair: Gillian Westgate, PhD | United Kingdom

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| 12:15PM | 5' | Welcome & Introductions
Cassandra Quave, PhD USA |
| 12:20PM | 8'+2 | Efficacy and Safety of Coacillium in Children and Adolescents with Moderate to Severe Alopecia Areata: A Randomised, Double-blind, Multicentre, Phase 2-3 Trial
Ulrike Blume-Peytavi, MD, PhD Germany |
| 12:35PM | 12'+3 | Ethnobotany and the Role of Plant Natural Products in Hair Loss Treatments
Gillian Westgate, PhD United Kingdom |
| 12:45PM | 12'+3 | Development of Botanical Solutions for Scalp Health and Healthy Hair Aging
Alison Pawlus, PhD USA |
| 1:00PM | 8'+2 | Hair Growth Promoting Potential of Botryococcus Terribilis and Its Novel Compound Methylated-Meijicocene
Aprill Kee Oilva Mizushima Japan |
| 1:10PM | 5' | Closing
Cassandra Quave, PhD USA |

1:30PM-3:00PM

Session 32: Closing Ceremony & Brunch

Chair: Maria K. Hordinsky, MD | USA

Co-Chair: Moon Bum Kim, MD, PhD | Korea (KHRS)

Co-Chair: TBC | China (CHRS)

Co-Chair: Andrey Panteleyev, PhD | Russia (RHRS)

Co-Chair: Claire Higgins, PhD | United Kingdom (EHRS)

Co-Chair: Wilma Bergfed, MD | USA (IFHRS)