Reflect, Rejuvenate, and REGENERATE

# November 18-21, 2015 9th World Congress for Hair Research

Miami • Florida • USA InterContinental Hotel Miami

> A Comprehensive, International Hair Research Meeting for the Advancement of Knowledge In Hair Growth, Hair and Scalp Disease, and Clinical Care

# Final Program Guide www.hair2015.org



Health

UNIVERSITY OF MIAMI MILLER SCHOOL of MEDICINE

CME sponsored by

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Dear Colleagues,

The North American Hair Research Society (NAHRS), with participation from the Australasian Hair & Wool Research Society, the European Society for Hair Research, the Hair Research Society of India, the Japanese Society for Hair Research, and the Korean Hair Research Society, welcome you to the 9th World Congress for Hair Research.

We celebrate the bringing together of International colleagues who will present new research, share experiences, and discuss new directions for the advancement of knowledge in hair growth, hair and scalp disease, and clinical care. Thank you for your participation and contributions in making the Congress a success.

Welcome to Miami!

Warmest regards,

**Congress Scientific Planning Committee** 

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Wilma F. Bergfeld, MD; Marc Dauer, MD; Adriana Schmidt, MD

## visit the wchr2015 website for meeting information www.hair2015.org

# If you have any questions or for more information, please contact:

## REGISTRAR

North American Hair Research Society 303 West State Street, Geneva, IL 60134 USA Phone 1-630-578-3991 | Fax 1-630-262-1520 info@nahrs.org | www.NAHRS.org



# 9th World Congress for Hair Research (2015 WCHR)

November 18-21, 2015 | InterContinental Hotel Miami | 100 Chopin Plaza | Miami, Florida 33131 | USA

## HOST/ORGANIZER North American Hair Research Society

## **OFFICIAL LANGUAGE** English

**CONGRESS PURPOSE** The ultimate goal of the World Congress for Hair Research is to offer a comprehensive hair research meeting with our international colleagues to present new research, share experiences, and discuss new directions for the advancement of knowledge in hair growth, hair and scalp disease, and clinical care.

**CONGRESS THEME** The theme is **Reflect**, **Rejuvenate**, **and REGENERATE** as we reflect on hair follicle regeneration and rejuvenate our minds with new ideas and collaborations.

**CONGRESS LOGO** The center of the orb is a hair shaft from which swirls emanate. Symbolic nature of the shaft implies the conference is about all aspects that impact hair. Orb is symbolic of the world and convergence of ideas.



## SCIENTIFIC ORGANIZING COMMITTEE CONGRESS CO-CHAIR

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CONGRESS CO-CHAIR Angela Christiano, PhD Columbia University

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Ricardo Romiti, MD, PhD University of São Paulo Jerry Shapiro, MD New York University John P. Sundberg, DVM, PhD The Jackson Laboratory Antonella Tosti, MD University of Miami Ken Washenik, MD, PhD New York University/Bosley

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## LOCAL ORGANIZING COMMITTEE

Lawrence A. Schachner, MD Co-Chair, University of Miami Antonella Tosti, MD Co-Chair, University of Miami

## **NEXT WORLD CONGRESS**

OCT. 31-NOV. 3, 2017 10<sup>™</sup> World Congress for Hair Research WCHR 2017 KYOTO, JAPAN

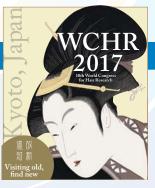
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## **2015 WCHR CONGRESS SECRETARIAT**

North American Hair Research Society 303 West State Street Geneva, Illinois, 60134, USA Tel 1-630-578-3991 Fax 1-630-262-1520 info@nahrs.org

Victoria Ceh, MPA, NAHRS Executive Director & WCHR2015 Program Manager Jule Uddfolk, CMP, Meetings & Exhibits Manager Kimberly Miller, Lead Registrar & Headquarters Manager Sue Reed, Registrar Jane DeClaire, Registrar Katie Masini, Registrar Jeffrey Miller, Registrar & Technical Support Dawn Holler Wisher, Graphic Design



## **INTERCONTINENTAL HOTEL MIAMI**

100 Chopin Plaza Miami, Florida 33131, USA Phone: 1-305-577-1000 Fax: 1-305-577-0384 www.icmiamihotel.com

#### WEATHER

November marks the beginning of the onset of winter in Miami, but a warm winter it is. Compared to the sizzling heat of the summer months, many find this the best time of year to visit Miami for pleasant weather. The temperature will vary between a high of 79°F and a low of 66°F (26°C to 19°C). It is recommended that you pack a light jacket or sweater for evenings and air-conditioned meeting rooms. There is a lower expectation of rain in the month of November compared to preceding months, and there will be approximately 7 hours of daylight at this time of year. For those planning to take a dip in the ocean, the sea temperature is approximately 79°F in November.

## PERSONS WITH DISABILITIES

The 9th World Congress for Hair Research fully complies with the legal requirements of the Americans with Disabilities Act (ADA) and the rules and regulations thereof. If any participant in this educational activity is in need of support services, please notify the NAHRS Headquarters Office at 1-630-578-3991 or info@nahrs.org as soon as possible, and preferably before October 18, 2015.

## TICKETS

Tickets are not required for the following, but a Congress name badge is required:

- Welcome Reception
- Posters
- Exhibits

• General and Concurrent Sessions, Wednesday through Saturday

Tickets are required for the following:

- Wednesday Pre-Congess Courses
- Satellite Symposia
- Friday Congress Dinner

You may opt to purchase Pre-Congress Course and Congress Dinner tickets separately during the WCHR online registration process. You may choose to register for the Satellite Symposium during the registration process. You will receive your tickets in your registration packet. You may check with Registration Desk onsite for availability of tickets.

## **MEETING ATTIRE**

The attire for the educational sessions is business. Attire at the Friday Evening Congress Dinner is cocktail or business. The Dinner theme is Cuban/tropical, so you may want to dress for the theme.

## **OFFICIAL LANGUAGE**

The official language of the 9th World Congress for Hair Research is English. No simultaneous interpretation will be provided.

## **CANCELLATION/REFUND POLICY**

Registration fees, less a \$100.00 administration fee, will be refunded upon written notice of cancellation to the WCHR2015 Registrar's office received on or before October 16, 2015. After October 16, 2015, there will be no refund of fees for cancellation or for lack of attendance without notification. It is your responsibility to ensure that your cancellation request has been received by the WCHR2015 Registrar's office. "No shows" who have not pre-paid will be invoiced for the total registration fee.

## VIDEO, PHOTOGRAPHY & AUDIO RECORDING POLICY

Video recording and/or photography are strictly prohibited in all educational sessions. Under no circumstances are video, digital or still cameras to be utilized in the educational sessions. This includes photos and videos taken with cellular phones. Violators will have their cameras/equipment confiscated until the end of the meeting. Audio recording for personal use only is permitted (i.e., for gathering information and NOT for rebroadcast or reproduction). Photography of scientific material is strictly prohibited. The only exception to the photography policy is photos taken by the official WCHR photographer, for purposes of podium photos to use in WCHR publications.

## **CELLULAR PHONE POLICY**

The use of cellular phones in the General & Concurrent Session or workshop rooms is strictly prohibited. Attendees must either turn off or vibrate cellular phones.

#### DISCLAIMER

As an educational meeting, the WCHR2015 does not specifically approve, promote or accept the opinions, ideas, procedures, medications or devices presented in any paper, poster, discussion, forum or panel, course, or satellite symposia. By attending this program, in no way does it suggest that participants are trained and/or certified in the disciplines of hair research, hair disease, hair growth, or hair loss. All speakers, topics, and schedules are subject to change without prior notification, and will not be considered reasons for refund requests.



## UNIVERSITY OF MIAMI MILLER SCHOOL of MEDICINE

## Continuing Medical Education (CME) Information

ACCREDITATION This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of Miami Leonard M. Miller School of Medicine and North American Hair Research Society. The University of Miami Leonard M. Miller School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

**CREDIT HOURS** The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of **23.75** *AMA PRA Category 1 Credit*<sup>TM</sup>. Physicians should claim only credit commensurate with the extent of their participation in the activity.

**LEARNING OBJECTIVES** Learning objectives are denoted by each session and course throughout this program. In addition, in the Abstract Book there is a learning objective for each presentation.

DOCUMENTATION OF ATTENDANCE FOR CME

- 1. Complete "CME Credit Claim Form" within one week.
- 2. CME Certificate will be emailed to attendees approximately 4 to 6 weeks after the conference.

**EVALUATIONS** Conference evaluations are a valuable tool in assisting to better serve you. Within five (5) business days of attending this conference, you will receive via e-mail a link through which you can complete a participant evaluation. We welcome your comments and suggestions. An outcome evaluation will be conducted 2 to 3 months following the course to measure the impact this activity had in changing performance and patient outcomes. We encourage and appreciate your participation.

## ACKNOWLEDGEMENT

This CME Activity is partially supported by:

- COMMERCIAL SUPPORTERS
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- Skin Diseases (NIAMS)
- International Society of Hair Restoration Surgery (ISHRS)
- Cicatricial Alopecia Research Foundation (CARF)
- National Alopecia Areata Foundation (NAAF)
- World Trichology Society (WTS)
- David M.C. Ju Foundation

## DISCLOSURE AND CONFLICT OF INTEREST RESOLUTION

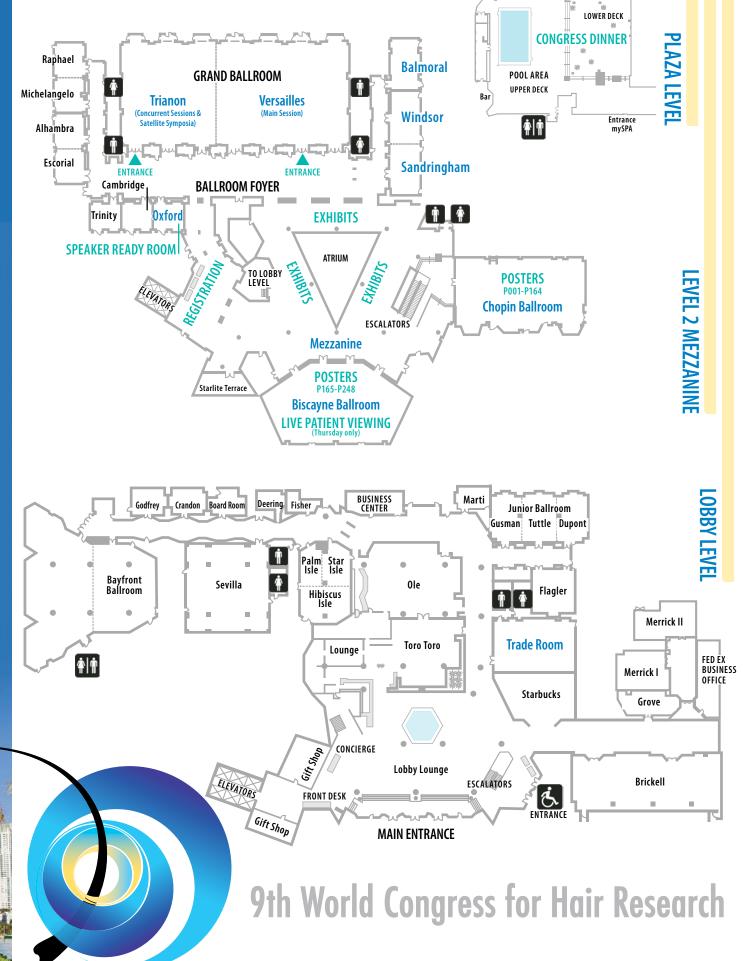
In accordance with the 2004 Updated ACCME Standards for Commercial Support the University of Miami Leonard M. Miller School of Medicine requires everyone in a position to control the content of a Continuing Medical Education activity – the Course Director(s), Planning Committee Members and all individuals participating as speakers, moderators or authors to disclose all relevant financial relationships with any commercial interest. All potential conflicts of interest are identified and resolved prior to the education activity being provided to learners. Disclosure of relevant financial relationship(s) will be provided to learners prior to the beginning of the educational activity. See Abstract Book and Course Handouts for list of Faculty Disclosures.

## NAHRS 2015 WCHR

TIME				DNESDAY NOV 18, 2015 THURSDAY NOV 19, 2015		FRIDAY   NOV 20, 2015			SATURDAY NOV 21, 2015																						
7:00am				Internation							AHWRS Membe	er Meeting																			
7:30am					Board Meeting Sandringham/Windsor		Eve 7:30-	Satellite		7:30	Odd	Sandringham																			
8:00am							n Pos 8:45 for	Symposiu Women's		8:45 for	hibits d Pos 8:45 for	Coffee with the Experts																			
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9:30am					ent Vi 5 Pt Vi 00 Dis	Transplantation -P. Rose <b>Frianon</b>	ving																								
10:00am					Live Patient Viewing - A. <i>Tosti</i> 8:30-9:15 Pt Viewing <mark>Biscayne</mark> 9:15-11:00 Discussion Versaille				Hormones, Hair Growth and Pattern Hair Loss			Genetics, Genom Personalized Me Biomarkers																			
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11:30am	Registi	ration Op	pens		Immunobiol		cia Areata	Stem Cells - G. Cotsarel	Stem Cells & Stem Cell Niches		Clinical Trials																				
2:00 noon					- M. Hordinsky						- J. Shapiro																				
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1:30pm	chibit oster	103: Basic Science Course for Hair Researchers - A. <i>Christiano, V. Horsley, S. Milla</i> <b>Trade Room</b> 102: Epidemiology & Clinical Trial Design - <i>J. Mackay-Wiggan</i> - <i>J. Mackay-Wiggan</i> 101: Basic Course on Diagnosis and Trianent of Hair Disorders - <i>L.Goldberg</i> <b>Trianon</b> <b>Exhibit Set-up Mezzanine</b> <b>Poster Set-up Biscayne &amp; Chopin</b>			P&G			Viviscal			Meeting	Selected from Abstracts:																			
2:00pm	Set-u Set-u	ic Cou nt of I	idemi ay-Wig nghan	hers -	Trianon Trianon					Sandringham	Part II - L. King																				
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	Mezzanine Biscayne & Chopin	n Diag )isord	& Clir dsor	103: Basic Science Course for Hair Researchers - A. Christiano, V. Horsley, S. Milla Trade Room	Course for Hair ristiano, V. Horsley,	Course for Hair ristiano, V. Horsley, :	Course for Hair ristiano, V. Horsley, S	Course for Hair istiano, V. Horsley, S	Course for Hair istiano, V. Horsley, S	Course for Hair 'istiano, V. Horsley, 1	Neogenesis and Alo		licatricial Iopecia	Emerging Technologies and Therapies			Closing Ceremony & Awards Versailles														
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4:30pm					Auxiliary Cel	ls		Structure, Biology &	New Topics Selected fron																						
5:00pm	Openii	ng Ceren	nony		- V. Horsley			Hair Curl, Color & Luster	Abstracts:																						
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Meeting Floor Plans



# WEDNESDAY November 18, 2015

9:00AM-11:30AM NAHRS BOARD OF DIRECTORS MEETING (invitation only)

10:00AM-6:30PM SPEAKER READY ROOM Oxford

11:30AM-7:30PM REGISTRATION Mezzanine

1:00PM-4:30PM EXHIBITORS MOVE-IN

1:00PM-4:30PM POSTER PRESENTERS HANG THEIR POSTERS P001-P164 Chopin | P165-P248 Biscayne

1:00PM-4:30PM PRE-CONGRESS COURSES

**PRE-CONGRESS COURSES** Registration is required and will be confirmed on a first-come, first served basis. FEE: \$50 per course. Only those who register for the full congress may purchase a ticket for a pre-congress course.

1:00PM-4:30PM 101: BASIC COURSE ON DIAGNOSIS AND TREATMENT OF HAIR DISORDERS (ticket required)

**Trianon** 



Lynne J. Goldberg, MD



Andrew G. Messenger, MD





Leonard Sperling, MD

## **COURSE OUTLINE**

1:00PM-1:45PM 45 My approach to the diagnosis and treatment of non-scarring alopecia Andrew G. Messenger, MD, Professor of Dermatology, University of Sheffield, United Kingdom

1:45PM-2:30PM 45 My approach to the diagnosis and treatment of scarring alopecia Paradi Mirmirani, MD

2:30PM-3:00PM **30 Special considerations for the alopecia patient** of color

> Amy McMichael, MD, Professor and Chair, Department of Dermatology, Wake Forest Baptist Health, Winston-Salem, NC, USA

3:00PM-3:15PM 15 Break (coffee, soda, snacks)

3:15PM-4:00PM 45 Histopathologic features of scarring and nonscarring alopecia

> Leonard Sperling, MD, Professor of Dermatology and Pathology at the Uniformed Services University of the Health Sciences, Bethesda, MD, USA

4:00PM-4:15PM 15 How to decipher a biopsy report of alopecia Lynne J. Goldberg, MD

4:15PM-4:30PM 15 Panel Question & Answer Session

## DIRECTOR

Lynne J. Goldberg, MD, Professor of Dermatology and Pathology & Laboratory Medicine, Boston University School of Medicine; Director, Hair Clinic, Boston Medical Center, Boston, MA, USA

## CO-DIRECTOR

Paradi Mirmirani, MD, Department of Dermatology, The Permanente Medical Group, Vallejo, CA, USA; Assistant Clinical Professor, Department of Dermatology, The University of California San Francisco, CA, USA

## LEARNING OBJECTIVES

- Recognize the different clinical features that distinguish between non scarring alopecias and lymphocytic and neutrophilic scarring alopecias. Assess the different histopathologic features you might encounter in a
- scalp biopsy for hair loss for better clinicopathologic correlation. Design a first and second line treatment plan for the different types
- of alopecia.

## 1:00PM-4:30PM 102: EPIDEMIOLOGY & CLINICAL TRIAL DESIGN (ticket required)





James A. Solomon, MD, PhD



Tito R. Mendoza, PhD, MS, MEd





Madeleine Duvic, MD

Natasha A. Mesinkovska, MD, PhD

Day-By-Day Program Sandringham/Windsor

2:10PM-2:30PM 20 Global burden of disease findings for hair loss (AA, scarring alopecias, MPH, FPHL, etc.) Erika L. Hagstrom, MD, Internal Medicine Preliminary

Resident, Loyola University, Chicago, IL USA

## 2:40PM-3:00PM 20 Lessons learned from the alopecia areata registry – special considerations for registry type clinical research

Madeleine Duvic, MD, Professor and Deputy Chair Dermatology, UT MD Anderson Cancer Center, Houston, TX, USA

3:10PM-3:25PM 15 Break (coffee, soda, snacks)

3:25PM-3:45PM 20	Use of Electronic medical record for clinical trials or epidemiological studies - The Cleveland Clinic Experience
	Natasha Atanaskova Mesinkovska MD PhD, Staff, Department of Dermatology, Department of Dermatopathology, Cleveland Clinic, Cleveland, OH, US/
3:55PM-4:20PM 25	Recent clinical trials in alopecia areata:

4.2004 4.2004 10	Questions and Commetion
	Julian Mackay-Wiggan, MD, MS
	limitations when discussing results
	Optimal design vs. reality. Acknowledging
J.JJI WI-7.201 WI 2J	Recent chinear thats in alopecia aleata.

4:20PM-4:30PM 10 Questions and Summation Julian Mackay-Wiggan, MD, MS

DIRECTOR

Julian Mackay-Wiggan, MD, MS, Associate Professor of Dermatology at CUMC and Director of the Dermatology Clinical Research Unit, Columbia University College of Physicians & Surgeons, New York City, NY, USA

#### LEARNING OBJECTIVES

- Discuss the basics of good clinical trial design and interpretation.
- Explain the rationale for factors that are considered in, and may alter, a study's design.
- Recognize the basic concepts of different types of clinical research such as epidemiologic studies, registry studies, and clinical trials.
- Appraise the use of electronic medical records in clinical research.
- Evaluate the steps involved in developing a patient-reported outcome measure in alopecia areata.

## **COURSE OUTLINE**

1:00PM-1:10PM 10	Introduction and Welcome Julian Mackay-Wiggan, MD, MS
1:10PM-1:30PM 20	National Alopecia Areata Foundati Uniform Protocol Development Pro

## ion (NAAF) oject: A Plug & Play Method to Facilitate the Clinical **Trial Process**

James A. Solomon, MD, PhD, Associate Professor, University Central Florida, College of Medicine, Orlando, FL, USA; Assistant Clinical Professor, University of Illinois, College of Medicine, Urbana, IL, USA; Director, Ameriderm Research, Ormond Beach, FL, USA

1:40PM-2:00PM 20 Quality of Life Measures in Alopecia Areata and the Development of the Alopecia Areata Symptom Impact Scale (AASIS)

> Tito R. Mendoza, PhD, MS, MEd, Associate Professor, Department of Symptom Research, The University of Texas MD Anderson Cancer Center, Houston, TX, USA

## 1:00PM-4:30PM 103: BASIC SCIENCE COURSE FOR HAIR RESEARCHERS (ticket required)

## **Trade Room**



Day-By-Day Program





Sarah E. Millar, PhD





Peggy Myung, MD, PhD



Michael Rendl, MD

2:30PM-3:00PM 30 Mesenchymal lineages in the skin -**Fibroblasts and adipocytes** Valerie Horsley, PhD

3:10-3:25PM 15 Break (coffee, soda, snacks)

## 3:25-3:45PM 20 Stem Cell Niches in the Hair Follicle

Peggy Myung, MD, PhD, Assistant Professor, Department of Dermatology, Yale University, New Haven, CT, USA

3:55PM-4:15PM 20 Regulation of hair formation, growth and cycle by dermal papilla

> Michael Rendl, MD, Associate Professor, Developmental and Regenerative Biology and Dermatology; and Member of the Black Family Stem Cell Institute, Icahn School of Medicine at Mount Sinai, New York, NY, USA

4:15PM-4:30PM 15 Q&A

# WCHR 2015 Commemorative Prints HAIR FOLLICLE CONFOCAL IMAGES



A limited edition set of four photographic prints featuring award winning, hair follicle confocal images.

Included is an information insert with detailed descriptions of each image, credits and acknowledgement.

## **SET OF FOUR PRINTS** \$60 USD

11 inches x 14 inches Suitable for framing.

See Registration Desk for details.

FOR PURCHASE \$60

**CO-DIRECTORS** 

**COURSE OUTLINE** 

For your office or lab

student, or colleague!

Great as a gift for your mentor,



Angela M. Christiano, PhD

Valerie Horsley, PhD

Valerie Horsley, PhD, Associate Professor of Molecular, Cellular, & Developmental Biology, Yale University, New Haven, CT, USA

Angela M. Christiano, PhD, Professor of Dermatology and Genetics &

Sarah E. Millar, PhD, Professor, Departments of Dermatology and Cell

1:10PM-1:40PM 30 Wnt signaling in hair follicle development

& Developmental Biology and Vice-Chair for Research, Department of

Dermatology, University of Pennsylvania, Philadelphia, PA, USA

1:00PM-1:10PM 10 Introduction and Welcome

and cycling

1:50PM-2:20PM 30 Melanocytes in the Hair Cycle

Sarah E. Millar, PhD

Sarah E. Millar, PhD & Valerie Horsley, PhD

Mayumi Ito, PhD, Associate Professor, Department of

Dermatology, Department of Cell Biology, New York University School of Medicine, NY, USA

Development, Columbia University, New York City, NY, USA

#### 5:00PM-6:30PM OPENING CEREMONY







Angela M. Christiano, PhD Maria K. Hordinsky, MD

## 5:00PM-5:25PM Welcome to Miami! Congress Welcome & Acknowledgement of Highest Level Corporate **Supporters and Sister Societies**

## CO-CHAIRS

Wilma F. Bergfeld, MD, Professor of Pathology and Dermatology, Cleveland Clinic, Cleveland, OH, USA

Angela M. Christiano, PhD, Professor of Dermatology and Genetics & Development, Columbia University, New York City, NY, USA

Maria K. Hordinsky, MD, Professor and Chair, Department of Dermatology, University of Minnesota, Minneapolis, MN, USA

### 5:25PM-5:55PM KEYNOTE SPEAKER

Macome Drink

La Dominicana Ron Atlantico Reserva

Rum, Disaronno num, usaromu Amaretto, Lime, Orange, Blackberry, Ginger Ale

- Low level light therapy for hair loss: clinical use, mechanisms and important questions
- 001 R. Rox Anderson, MD, Professor of Dermatology, Harvard Medical School, Boston, MA, USA; Director, Wellman Center for Photomedicine, Massachusetts General Hospital, Boston, MA, USA; Adjunct Professor, M.I.T., Cambridge, MA, USA

## LEARNING OBJECTIVES

 Describe the latest research with low level lasers and their effect on the hair follicle and sabaceous gland.





Abraham Zlotogorski, MD

Mike P. Philpott, BSc, D. Phil

**Versailles** 

## JOHN EBLING LECTURE The European Hair Research Society (EHRS) sponsors each year since 1993 a prestigious lecture in memory of the late John

Ebling, an internationally renowned zoologist. Dr. Ebling's hair research work was mainly devoted to understanding how hair growth and sebaceous gland activity is regulated, particularly the role of the endocrine system.

Sponsored by an educational grant from

Johnson Johnson CONSUMER INC.

## **INTRODUCTION BY**

Abraham Zlotogorski, MD, Professor and Chair, Department of Dermatology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel; President, European Hair **Research Society** 

#### 6:00PM-6:30PM KEYNOTE SPEAKER

Hairs to hedgehogs: From in vitro modelling of the human hair follicle to basal cell carcinoma

002 Mike P. Philpott, BSc, D.Phil, Professor of Cutaneous Biology, Centre for Cutaneous Research, Blizard Institute, Barts and The London School of Medicine and Dentistry, London, U.K.

## LEARNING OBJECTIVES

• Describe the role in vitro models have played in our understanding of hair biology and how future models may further aid our studies.

## 6:30PM-8:00PM WELCOME RECEPTION, WITH EXHIBITS AND POSTER VIEWING

FEE: No extra fee required. LOCATION: Mezzanine Foyer, InterContinental Hotel Miami

TIME: 6:30PM-8:00PM

Join US in the exhibit area after the Opening Ceremony to socialize, unwind and spend time talking with exhibitors and reviewing their products and services in a relaxed atmosphere. The scientific posters will also be available for viewing. Cocktails and hors d'oeuvres will be served.

DATE: Wednesday | NOVEMBER 18, 2015

This event is open to all registered meeting attendees. Attendees may purchase an extra ticket for accompanying guest(s) during registration process.

# THURSDAY November 19, 2015

## 7:00AM-8:00AM INTERNATIONAL BOARD OF HAIR RESEARCH SOCIETIES MEETING (invitation only)

Sandringham/Windsor

7:00AM-7:00PM SPEAKER READY ROOM Oxford

7:00AM-7:00PM REGISTRATION Mezzanine

7:30AM-5:00PM EXHIBIT VIEWING Mezzanine

## 8:30AM-10:00AM HAIR TRANSPLANTATION







Chang-Hun Huh, MD, PhD

## DIRECTOR

Paul T. Rose, MD, JD, Medical Director, Hair Transplant Institute Miami, Miami, FL, USA

## **CO-DIRECTORS**

Nilofer P. Farjo, MBChB, Director, Farjo Hair Institute, Manchester, United Kingdom

Chang-Hun Huh, MD, PhD, Associate Professor, Department of Dermatology, Seoul National University Bundang Hospital, South Korea

## INVITED SPEAKERS

Indications for Strip Harvesting vs Follecular Unit Extraction in Hair Restoration Surgery Nilofer P. Farjo, MBChB

## Robotic Hair Transplant Surgery Chang-Hun Huh, MD, PhD

## LEARNING OBJECTIVES

Describe the latest techniques and technologies in hair transplantation for hair loss.

## 7:30AM-9:00PM POSTER VIEWING Biscayne & Chopin

## 7:30AM-8:45AM FORMAL POSTER SESSION: EVEN NUMBERS

7:30AM-9:30AM EXHIBITS & POSTER VIEWING WITH COFFEE AVAILABLE Coffee generously sponsored by P&G.

7:30AM-9:30AM CONTINENTAL BREAKFAST Mezzanine

## Trianon

8:30AM-8:32AM	2	
003		Paul T. Rose, MD, JD   USA
8:32AM-8:44AM	12	Robotic Hair Transplant Surgery
004		Chang-Hun Huh, MD, PhD   Korea
8:44AM-8:56AM	12	Indications for Strip Harvesting vs Follicular Unit Extraction in Hair Restoration Surgery
005		Nilofer P. Farjo, MBChB   United Kingdom
8:57AM-9:05AM	8	Allogeneic Hair Transplantation with Enhanced Survival by Anti-ICAM-1 Antibody in Nonhuman Primate
006		Jin Yong Kim, MD   Korea
9:05AM-9:13AM	8	Genomics Comparison of Hair Follicles from FUT, FUE, and Plucks
007		Bradley R. Wolf, MD   USA
9:14AM-9:22AM	8	Efficient Two Step Procedure For Scalp Scar Repair Combining Fat and Hair Grafting
008		Gorana Kuka, MD   Serbia
9:22AM-9:30AM	8	Hair Transplant in Hypertrophic Scars Using PL-FUT
009		Kristel BJ van Herwijnen, MD   The Netherland
9:30AM-9:38AM	8	Eyelash Transplantation: Sequelae & Complication Management
010		Alan J. Bauman, MD   USA
9:39AM-9:47AM	8	Hair Transplantation for the Treatment of End-Stage Scarring Alopecia
011		Meena K. Singh, MD   USA
.48AM-10:00AM	12	Q&A

## 8:30AM-11:00AM LIVE PATIENT VIEWING & DISCUSSION

Antonella Tosti, MD, Clinical Professor,

Department of Dermatology and Cutaneous

With the collaboration of residents and fellows from

the University of Miami Department of Dermatology

Surgery, University of Miami, Miami, FL, USA

DIRECTOR



Antonella Tosti, MD

## LEARNING OBJECTIVES

 Recognize the different clinical features that distinguish between telogen effluvium and patterned hair loss and between the lymphocytic and neutrophilic scarring alopecias.

and Cutaneous Surgery

## 8:30AM-9:15AM Patient Viewing Biscayne

Several patients/cases will be available for live viewing in a section of Biscayne Ballroom. Come and view the cases during 8:30AM-9:15AM, and then discussion will occur in Versailes Ballroom beginning at 9:15AM.

9:15AM-11:00AM Discussion Versailles

We gratefully acknowledge Canfield Imaging Systems and FotoFinder Systems GmbH for loaning equipment.

## 10:00AM-11:00AM ANCILLARY MEETING EUROPEAN HAIR RESEARCH SOCIETY (EHRS) GENERAL MEMBERSHIP MEETING

Trianon

Versailles

11:00AM-11:30AM COFFEE BREAK WITH EXHIBITS & POSTER VIEWING (coffee, soda, small snacks) Coffee generously sponsored by Women's Rogaine.

## 11:30AM-1:00PM IMMUNOBIOLOGY, ALOPECIA AREATA









Maria K. Hordinsky, MD

Amos Gilhar, MD

Ralf Paus, MD

## DIRECTOR

Maria K. Hordinsky, MD, Professor and Chair, Department of Dermatology, University of Minnesota, Minneapolis, MN, USA

## **CO-DIRECTORS**

Amos Gilhar, MD, Professor of Dermatology, Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel

**Ralf Paus, MD,** Professor of Cutaneous Medicine, University of Manchester, United Kingdom

#### INVITED SPEAKERS

## **Targeting Immune Cells in Alopecia Areata**

Angela M. Christiano, PhD, Professor of Dermatology and Genetics & Development, Columbia University, New York City, NY, USA

NK and NK-like cells in alopecia areata Amos Gilhar, MD

## Putting things into perspective: How close have we really come to understanding the pathobiology of alopecia areata? Ralf Paus, MD

#### LEARNING OBJECTIVE

• Outline recent advances in the pathophysiology and treatments of alopecia areata.

## Angela M. Christiano, PhD

2 Moderator Introduction
Maria K. Hordinsky, MD   USA
12 Targeting Immune Cells in Alopecia Areata
Angela Christiano, PhD   USA
12 NK and NK-like cells in alopecia areata
Amos Gilhar, MD   Israel
12 Putting things into perspective: How close have we really come to understanding the pathobiology of alopecia areata
Ralf Paus, MD   United Kingdom
6 Q&A
12 Prevention and Treatment of Alopecia Areata with Mesenchymal Stem Cells in the C3H/HeJ Mouse Model
Gwang Seong Choi, MD   Korea
12 Chemokine Receptor CCR5 is the Novel Target for the Treatment of Alopecia Aerate
Taisuke Ito, MD   Japan
12 Treatment with Simvastatin Decreases pStat1 Levels and Reverses AA in the C3H/HeH Mouse
Model
<b>Model</b> Gina M. DelCanto, BA   USA

## 1:00PM-2:30PM LUNCH ON OWN OR SATELLITE SYMPOSIUM (ticket required) (See Quick Lunch Options Flyer)

#### 1:00PM-2:30PM SATELLITE SYMPOSIUM New Insights and Cosmetic Approaches for Healthy Hair and Scalp (ticket required) **NO-CME**







John Gray, MD

MODERATOR

SPEAKERS

Vicky Jolliffe, MD Although cosmetic hair and scalp care technologies have been available for decades,

recent advances in research continue to push the boundaries. One area of research in particular is giving rise to new technology and treatment possibilities: Oxidation and

the effects it has on the properties of the pre- and post-emergent hair. These advances

along with practical considerations will be discussed during P&G's Satellite Symposium.

John Gray, MD, Medical Advisor, Procter & Gamble, Durban, South Africa

Vicky Jolliffe, MD, Consultant Dermatologist & Reader in Postgraduate

Disclaimer: The Satellite Symposia are informational programs with the topic, program,

is provided by the sponsoring company. Pre-registration is required and confirmed on

and speakers selected and organized by the sponsoring company. They are paid opportunities by companies. CME Credit is not issued for the Satellite Symposia. Lunch

Jennifer Marsh, PhD, P&G Research Fellow, Cincinnati, OH, USA

Jim Schwartz, PhD, P&G Research Fellow, Victor Mills Society

a first-come, first-served basis. Fee: \$0. Ticket is required for entry.

Medical Education, Royal London Hospital, Great Britain

Jennifer Marsh, PhD



## Sponsored and organized by:

Jim Schwartz, PhD



## CONCURRENT SESSIONS

## 2:30PM-4:00PM MORPHOGENESIS, NEOGENESIS, AND TISSUE ENGINEERING



Sarah F. Millar, PhD



Vladimir Botchkarev, MD, PhD



Marja L. Mikkola, PhD



Cheng-Ming Chuong, MD, PhD

## **INVITED SPEAKERS**

ß-catenin signaling marks self-renewing stem cells in multiple epithelial tissues Sarah E. Millar, PhD

## Regeneration of skin appendages: Physiological and wound induced responses

Cheng-Ming Chuong, MD, PhD, Professor of Pathology, Chair, Graduate Committee, University of Southern California, Los Angeles, CA, USA

## Getting it right: Coordinating progenitors and their niche to specify hair size and structure

Bruce A. Morgan, PhD, Associate Professor, Harvard Medical School and Massachusetts General Hospital, Boston, MA, USA

## Trianon

**Trianon** 

DIRECTOR

Sarah E. Millar, PhD, Professor, Departments of Dermatology and Cell & Developmental Biology and Vice-Chair for Research, Department of Dermatology, University of Pennsylvania, Philadelphia, PA, USA

## **CO-DIRECTORS**

Vladimir Botchkarev, MD, PhD, Professor of Cutaneous Biology, University of Bradford, United Kingdom;

Adjunct Professor of Dermatology, Boston University, Boston, MA, USA

Marja L. Mikkola, PhD, Team Leader, Developmental Biology Program, Institute of Biotechnology, University of Helsinki, Finland



## LEARNING OBJECTIVES

- Describe recent developments in research on hair follicle development, regenerative growth, wound-induced neogenesis and tissue engineering.
- Understand the basic mechanisms controlling hair follicle development and growth, be familiar with some of the current research in this area, and appreciate how these discoveries may eventually be applied to treating hair disorders.

2:30PM-2:32PM	2 Moderator Introduction
019	Sarah E. Millar, PhD   USA
2.32DM_2.52DM	20 B-catenin signaling marks self-renew

## **B**-catenin signaling marks self-renewing sten cells in multiple epithelial tissues 022

Sarah E. Millar, PhD | USA

2:30PM-4:00PM CICATRICIAL ALOPECIA

2:52PM-2:56PM 4 Q&A

	2:56PM-3:16PM	20	Regeneration of skin appendages: Physiological and wound induced responses
	023		Cheng-Ming Chuong, MD, PhD   USA
	3:16PM-3:20PM	4	Q&A
	3:20PM-3:40PM	20	Getting it right: Coordinating progenitors and their niche to specify hair size and structure
	024		Bruce A. Morgan, PhD   USA
	3:40PM-3:44PM	4	Q&A
m	3:45PM-3:57PM	12	Inducing Hair Follicle Organogenesis with Defined Protein Factors
	025		Sung-Jan Lin, MD, PhD   Taiwan

## 3:57PM-4:00PM 3 Q&A

Versailles







Elise A. Olsen, MD

Nonhlanhla P. Khumalo, MBChB, PhD

## DIRECTOR Elise A. Olsen, MD, Professor of Dermatology and Medicine; Director, Hair Disorders Research and Treatment Center; Director, Dermatopharmacology

Study Center, Duke University Medical Center, Durham, NC, USA

## CO-DIRECTOR

Andrew G. Messenger, MD, Professor of Dermatology, University of Sheffield, United Kingdom

## **INVITED SPEAKERS**

Frontal Fibrosing Alopecia: preliminary results of a multicenter study Elise A. Olsen, MD

## Low-hanging Fruit: Identifying Preventable Causes of Scarring Alopecia

Nonhlanhla P. Khumalo, MBChB, FCDerm, PhD, Professor and Head of Division of Dermatology, University of Cape Town, South Africa

## LEARNING OBJECTIVES

• Outline the recent advances and research outcomes of treatments for cicatricial alopecia.

2:30PM-2:32PM	2 Moderator Introduction
026	Elise A. Olsen, MD   USA
2:32PM-2:47PM	15 Frontal Fibrosing Alopecia: preliminary results of a multicenter study
028	Elise A. Olsen, MD   USA
2:47PM-2:52PM	5 Q&A
2:52PM-3:07PM	15 Low-hanging fruit: Identifying Preventable Causes of Scarring Alopecia
029	Nonhlanhla P. Khumalo, MBChB, PhD   South Africa
3:07PM-3:12PM	5 Q&A
3:12PM-3:24PM	12 Comparison of Four Regimens for the Treatment of Central Centrifugal Cicatricial Alopecia
030	Nikki Tang, MD   USA
3:25PM-3:37PM	12 Absence of Catagen/telogen Phase and Loss of Cytokeratin 15 Expression in Hair Follicles in Lichen Planopilaris
031	Curtis T. Thompson, MD   USA
3:38PM-3:50PM	12 Frontal Fibrosing Alopecia: Epidemiologic Data From a Patient Registry
032	Varvara Kanti, MD   Germany
3:50PM-4:00PM	10 Q&A

## 4:00PM-4:30PM COFFEE BREAK WITH EXHIBITS & POSTER VIEWING (coffee and soda only)

## 4:30PM-6:00PM AUXILIARY CELLS







Mayumi Ito, PhD

Valerie Horsley, PhD

DIRECTOR

Valerie Horsley, PhD, Associate Professor of Molecular, Cellular & Developmental Biology, Yale University, New Haven, CT USA

#### **INVITED SPEAKERS**

# Links between macrophages and the activation of the skin stem cell niche

Mirna Perez-Moreno, PhD

Mirna Perez-Moreno, PhD, Group Leader, Epithelial Cell Biology Group, Cancer Cell Biology Program, Spanish National Cancer Research Center, Madrid, Spain

#### Melanocyte stem cells in the hair follicle

Mayumi Ito, PhD, Associate Professor, Department of Dermatology, Department of Cell Biology, New York University School of Medicine, New York, NY, USA

**Regulation of dermal adipocytes** Valerie Horsley, PhD

## 6:15PM-7:00PM GREAT CASES FROM SOUTH AMERICA



Ricardo Romiti, MD, PhD



Maria E. Cappetta, MD



DIRECTOR Ricardo Romiti, MD, PhD, Director, Hair and Scalp Disorders Clinic, University of São Paulo, Brazil

## **CO-DIRECTORS**

María E. Cappetta, MD, Medical Doctor Specialist in Dermatology, Hair Clinic at CEMIC (Centro de Educación Médica e Investigaciones Clínicas-Fundación Norberto Quirno) and Buenos Aires Skin, Buenos Aires, Argentina

**Isabella Doche, MD,** Dermatologist and PhD student, University of São Paulo, Brazil; Research Fellow, University of Minnesota, MN, USA

## LEARNING OBJECTIVES

• Review a variety of case presentations on hair research and clinical hair disorders from South America.

6:15PM-6:16PM 1 Moderator Introduction 038 Ricardo Romiti, MD, PhD | Brazil



Isabella Doche, MD

#### LEARNING OBJECTIVES

• Discuss the role of auxiliary cells in the regulation of hair follicle biology.

4:30PM-4:32PM	2 Moderator Introduction
033	Valerie Horsley, PhD   USA
4:32PM-4:52PM	20 Links between macrophages and the activation of the skin stem cell niche
034	Mirna Perez-Moreno, PhD   Spain
4:53PM-5:13PM	20 Melanocyte stem cells in the hair follicle
035	Mayumi Ito, PhD   USA
5:14PM-5:34PM	20 Regulation of dermal adipocytes
036	Valerie Horsley, PhD   USA
5:34PM-5:44PM	10 Q&A
5:45PM-5:57PM	12 Are Eccrine Glands Part Of The Pilosebaceous Unit?
037	Francisco Jimenez, MD   Spain
5:57PM-6:00PM	3 Q&A

CLINICAL CASES PAR	T I:	Ricardo Romiti, MD, PhD & Eugenia Cappetta, MD
6:16PM-6:20PM	4	Pseudo-fringe sign in frontal fibrosing alopecia
041		Rodrigo Pirmez, MD   Brazil
6:20PM-6:24PM	4	Breast cancer metastasis mimicking
		cicatricial alopecia
042		Mariana Martin, MD   Argentina
6:24PM-6:28PM	4	Vitiligo-like patches: a further hallmark of frontal fibrosing alopecia?
043		Alessandra Anzai, MD   Brazil
6:28PM-6:32PM	4	Folliculitis decalvans following hair transplant in surgical scar sites
044		Néstor Carreño, MD   Chile
6:32PM-6:36PM	4	Histologic examination of "normal-appearing" scalp in lichen planopilaris and frontal fibrosing alopecia
045		Isabella Doche, MD   Brazil
6:36PM-6:40PM	4	Q&A
CLINICAL CASES PAR	тII	: Ricardo Romiti, MD, PhD & Isabella Doche, MD
6:40PM-6:44PM	4	Fibrosing alopecia in a pattern distribution: an unreported diagnosis in Chilean patients
046		Felipe Mardones, MD   Chile
6:44PM-6:48PM	4	Trichoscopy pitfalls
047		Aline Donati, MD   Brazil
6:48PM-6:52PM	4	Alopecia areata in solid organ transplant patients
048		Cecilia Navarro Tuculet, MD   Argentina
540		
6:52PM-6:56PM	4	TrichoQuiz
	4	<b>TrichoQuiz</b> Ricardo Romiti, MD, PhD   Brazil

# FRIDAY November 20, 2015

## 7:00AM-6:00PM SPEAKER READY ROOM Oxford

7:00AM-6:15PM REGISTRATION Mezzanine

7:30AM-5:30PM EXHIBIT VIEWING Mezzanine

## 7:30AM-5:30PM POSTER VIEWING Biscayne & Chopin

## 7:30AM-8:45AM FORMAL POSTER SESSION: ODD NUMBERS

## 7:30AM-9:30AM EXHIBITS & POSTER VIEWING WITH COFFEE AVAILABLE

Coffee generously sponsored by Women's Rogaine.

## 7:30AM-9:00AM SATELLITE SYMPOSIUM Quality of Life Considerations and Treatment Opportunities in Female Pattern Hair Loss

(ticket required) NO-CME Trianon







Richard G. Fried, MD, PhD

Ulrike Blume-Peytavi, MD

Amy McMichael, MD

During the symposium, the speakers will share the latest clinical research findings of the treatment of FPHL using 5% Minoxidil foam, translating clinical outcomes into improvement in quality of life. The emotional and counseling aspects of FPHL will be discussed focusing on change in the conversation between healthcare professionals and patients.

## MODERATOR

**Richard G. Fried, MD, PhD,** Clinical Psychologist and Board Certified Dermatologist, Yardley Dermatology Associates, Yardley, PA, USA

## SPEAKERS

## Richard G. Fried, MD, PhD

**Ulrike Blume-Peytavi, MD,** University Professor, Executive Medical Director Department of Dermatology and Allergy, Director Clinical Research Center for Hair and Skin Science, Charité-Universitätsmedizin Berlin

Amy McMichael, MD, Professor and Chair, Department of Dermatology, Wake Forest Baptist Health, Winston-Salem, NC, USA

## LEARNING OBJECTIVES

- Discover the latest clinical findings on the treatment of Female Pattern Hair Loss using a novel, marketed 5% Minoxidil foam.
- Learn the psychological impact of FPHL and the need for patient behavioral counselling and emotional support.

Sponsored and organized by:



7:30AM-7:40AM	10 Breakfast Buffet/Settle-in
7:40AM-7:45AM	5 Welcome, Introductions, and Overview Richard G. Fried, MD, PhD
7:45AM-8:05AM	20 Minoxidil 5% foam once daily in women – clinical evidence
	Ulrike Blume-Peytavi, MD
8:05AM-8:25AM	20 FPHL in the African American patient: Hints for diagnosis and treatment
	Amy McMichael, MD
8:25AM-8:45AM	20 Psychological and Functional Impact of FPHL: Empowerment and Efficacy Strategies for Successful management

Successful management. Richard G. Fried, MD, PhD

Disclaimer: The Satellite Symposia are informational programs with the topic, program, and speakers selected and organized by the sponsoring company. They are paid opportunities by companies. CME Credit is not issued for the Satellite Symposia. Breakfast is provided by the sponsoring company. Pre-registration is required and confirmed on a first-come, first-served basis. Fee: \$0. Ticket is required for entry.

## 9:30AM-11:00AM HORMONES, HAIR GROWTH AND PATTERN HAIR LOSS







Rodney Sinclair, MBBS, MD

Ulrike Blume-Peytavi, MD



Valerie A. Randall, PhD

9:30AM-9:32AM 2 Moderator Introduction

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_		-	_		

Wilma F. Bergfeld, MD, Professor of Pathology, and Dermatology, Cleveland Clinic, Cleveland, OH, USA

## **CO-DIRECTORS**

Wilma F. Bergfeld, MD

Rodney Sinclair, MBBS, MD, Professor of Dermatology, University of Melbourne, Australia

Ulrike Blume-Peytavi, MD, University Professor, Executive Medical Director Department of Dermatology and Allergy, Director Clinical Research Center for Hair and Skin Science, Charité-Universitätsmedizin Berlin

#### **INVITED SPEAKERS**

Translational approach to androgenetic alopecia – clinical and molecular read-outs

Ulrike Blume-Peytavi, MD

## Regulation of human hair growth: androgens and prostanoids

Valerie A. Randall, PhD, Professor of Biomedical Sciences, Centre for Skin Sciences, School of Life Sciences, University of Bradford, Bradford, United Kingdom

#### LEARNING OBJECTIVES

• Outline the recent advances and research outcomes of treatments for pattern hair loss.

9:30AM-9:32AM	2 Moderator Introduction
050	Wilma F. Bergfeld, MD   USA
9:32AM-9:52AM	20 Translational approach to androgenetic alopecia – clinical and molecular read-outs
052	Ulrike Blume-Peytavi, MD   Germany
9:52AM-10:12AM	20 Regulation of human hair growth: androgens and prostanoids
053	Valerie A. Randall, PhD   United Kingdom
10:12AM-10:15AM	3 Q&A
10:15AM-10:27AM	12 The Role of Inflammation and Immunity in the Pathogenesisof Female-Pattern Hair Loss
054	Neil Sadick, MD   USA
10:27AM-10:30AM	3 Q&A
10:30AM-10:42AM	12 CRTH2/ PTGDR2 Antagonists Reverse the Hair Growth Inhibition Caused by Elevated PGD2 Level
055	Ying Zheng, PhD   USA
10:42AM-10:45AM	3 Q&A
10:45AM-10:57AM	12 TBA
056	
10:57AM-11:00AM	3 Q&A

11:00AM-11:30AM COFFEE BREAK WITH EXHIBITS & POSTER VIEWING (coffee, soda, small snacks) Coffee generously sponsored by Samumed.

## 11:30AM-1:00PM STEM CELLS AND STEM CELL NICHES







George Cotsarelis, MD

Manabu Ohyama, MD, PhD



DIRECTOR George Cotsarelis, MD, Professor and Chair, Department of Dermatology, University of Pennsylvania, Philadelphia, PA, USA

## **CO-DIRECTORS**

Colin A. B. Jahoda, PhD, Professor, School of Biological and Biomedical Sciences, Durham University, United Kingdom

Manabu Ohyama, MD, PhD, Professor, Department of Dermatology, Kyorin University School of Medicine, Tokyo, Japan

## **INVITED SPEAKERS**

## Molecular Control of Hair Follicle Stem and Progenitor Cells Tudorita (Doina) Tumbar, PhD,

Associate Professor, Department of Molecular Biology and Genetics, Cornell University, Ithaca, NY, USA

## Mechanisms of hair follicle stem cell fate by live imaging

Pantelis Rompolas, PhD, Assistant Professor, Department of Dermatology, University of Pennsylvania, Philadelphia, PA, USA

## LEARNING OBJECTIVES

• Describe some of the latest developments in research on hair follicle stem cells and stem cell niches.





Pantelis Rompolas, PhD

11:30AM-11:31AM	1	Moderator Introduction
057		George Cotsarelis, MD   USA
11:31AM-11:51AM	20	Molecular Control of Hair Follicle Stem and Progenitor Cells
060		Tudorita Tumbar, PhD   USA
11:51AM-12:11PM	20	Mechanisms of hair follicle stem cell fate by live imaging
061		Pantelis Rompolas, PhD   USA
12:11PM-12:15PM	4	Q&A
12:15PM-12:27PM	12	Human Long Term Deregulated Circadian Rhythm in Vvo Alters the Clonogenic Properties of Outer Root Sheath Cells
062		Nathalie Deshayes, MSc   France
12:27PM-12:30PM	3	Q&A
12:30PM-12:42PM	12	An Integrated Transcriptome Atlas of Embryonic Hair Follicle Progenitors, their Niche and the Developing Skin
063		Michael Rendl, MD   USA
12:42PM-12:45PM	3	Q&A
12:45PM-12:57PM	12	Two Distinct Spontaneous Regenerative Activities to Repair Ionizing Radiation- induced Dystrophy in Anagen Follicles
064		Sung-Jan Lin, MD, PhD   Taiwan
12:57PM-1:00PM	3	Q&A

## 1:00PM-2:30PM LUNCH ON OWN OR SATELLITE SYMPOSIUM (ticket required)

(See Quick Lunch Options Flyer)

# Day-By-Day Program

# Day-By-Day Program

## 1:00PM-2:30PM SATELLITE SYMPOSIUM New Clinical Evidence and the Role of Neutraceuticals for the Treatment of Thinning Hair

(ticket required) NO-CME Trianon

Versailles





Glynis Ablon, MD



Desmond J. Tobin, PhD

Mark Holland

Clinical studies have demonstrated the ability of a neutraceutical supplement containing a proprietary blend of shark and mollusk powder derived from sustainable marine sources, to provide essential nutrients to aid in hair growth. The effectiveness of this product for the treatment of hair loss and thinning hair was the subject of a recent panel discussion by experts in dermatology and plastic surgery involving Dr. Heidi Waldorf, Dr. Vivian Bucay, Dr. Wendy Roberts and Dr. Steven Dayan.

#### LEARNING OBJECTIVES

- · Understand the clinical evidence available surrounding neutraceuticals and their application for the treatment of thinning hair and hair growth.
- · Identify other treatment options available and use of a multi-therapy approach. Discover the latest clinical evidence and the 25 year history of Viviscal dietary supplements and their application in modern medicine.
- · Get a first look at the Viviscal cell modelling exploration work to help uncover Viviscal's mechanism of action.

#### MODERATOR

Desmond J. Tobin, PhD, Professor of Cell Biology, Centre for Skin Sciences (Director), School of Life Sciences, University of Bradford, Bradford, West Yorkshire, United Kingdom

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Sponsored and organized by:

# Viviscal®

## **SPEAKERS**

Desmond J. Tobin, PhD, University of Bradford, Bradford, West Yorkshire, United Kingdom

Glynis Ablon, MD, Assistant Clinical Professor, UCLA; Ablon Skin Institute, Los Angeles, CA USA

Mark Holland, CEO N America, Lifes2good, Chicago, IL USA

Helena McMahon, PhD

25 Settle-in, begin lunch
5 Welcome, Introductions, and Overview Mark Holland
10 The role of nutraceuticals in the current ecosystem of hair growth treatments Desmond J. Tobin, PhD
10 Viviscal Clinical Trials Glynis Ablon, MD
10 Viviscal cell model studies Helena McMahon PhD
10 Panel Discussion & Q&A
Concluding Remarks

## 2:30PM-4:00PM EMERGING TECHNOLOGIES AND THERAPIES



Ken Washenik, MD, PhD



Takashi Tsuji, PhD

#### DIRECTOR



Annika Vogt, MD

## **INVITED SPEAKERS**

Hair Regeneration as a Future Organ Replacement **Regenerative Therapy** Takashi Tsuji, PhD

Differences between affected and clinically non-affected scalp in male individuals with male pattern androgenetic alopecia: Linking of clinical and molecular biological findings Annika Vogt, MD

#### LEARNING OBJECTIVES

• Discuss various emerging technologies and therapies as they relate to hair loss and hair growth.

Ken Washenik, MD, PhD, Faculty, Department of Dermatology, New York University School of Medicine, New York, NY, USA; Bosley Medical Group, Beverly Hills, CA, USA

#### **CO-DIRECTORS**

Takashi Tsuji, PhD, Team Leader, Laboratory for Organ Regeneration, RIKEN Center for Developmental Biology, Chuou-ku, Kobe, Japan

Annika Vogt, MD, Associate Professor, University Pierre et Marie Curie (UPMC), Paris, France; Scientific Director of Experimental & Translational Research, Clinical Research Center for Hair and Skin Science, Department of Dermatology, Charité-University Medicine, Berlin, Germany

Trianon

2:30PM-2:32PM	2 Moderator Introduction	3:26PM-3:29PM	3 Q&A	
065	Ken Washenik, MD, PhD   USA	3:29PM-3:41PM	12 Minoxidil Response Testing in Females with	
2:32PM-2:52PM	20 Hair Regeneration as a Future Organ Replacement Regenerative Therapy		Androgenetic Alopecia: A 24 Week Multi- Center Prospective Study	
066	Takashi Tsuji, PhD   Japan	069	Andy Goren, MD   USA	
2:53PM-3:13PM	20 Differences between affected and clinically	3:41PM-3:44PM	3 Q&A	
	non-affected scalp in male individuals with male pattern androgenetic alopecia: Linking of	3:45PM-3:57PM	12 The Microfollicle: In Vitro Modelling the Hair Follicle for High-throughput Screening	
067	<b>clinical and molecular biological findings</b> Annika Vogt, MD   France/Germany	070	Beren Atac, PhD   Germany	
3:14PM-3:26PM	12 Various wavelengths of light-emitting diode	3:57PM-4:00PM	3 Q&A	
	light regulate the proliferation of human dermal papilla cells and growth of hair follicles via Wnt/ß-catenin and the ERK pathways			
068	Hong Jin Joo, MD   Korea			

4:00PM-4:30PM COFFEE BREAK WITH EXHIBITS & POSTER VIEWING (coffee and soda only) Coffee generously sponsored by P&G.

## CONCURRENT SESSIONS

## 4:30PM-6:00PM STRUCTURE, BIOLOGY & HAIR CURL, COLOR & LUSTER







Amu Ma Mishaal M



Thomas L. Dawson, Jr., PhD

Dawson, Jr., PhD

Jolon Dyer, PhD

Amy McMichael, MD

## DIRECTOR

Thomas L. Dawson, Jr., PhD, Senior Principal Investigator, Institute of Medical Biology, Agency for Science, Technology, and Research (A\*STAR), Singapore

## **CO-DIRECTORS**

Jolon Dyer, PhD, Science Group Leader, Food & Bio-Based Products, AgResearch, New Zealand

Amy McMichael, MD, Professor and Chair, Department of Dermatology, Wake Forest Baptist Health, Winston-Salem, NC, USA

## INVITED SPEAKERS

Hair fiber structure and performance: mapping the cross-link network Jolon Dyer, PhD

# Compartmentation of Mitochondrial and Oxidative Metabolism in Hair Follicles: A Ring of Fire

John J. Lemasters, MD, PhD, Professor, Departments of Drug Discovery & Biomedical Sciences and Biochemistry & Molecular Biology; Director, Center for Cell Death, Injury & Regeneration, Medical University of South Carolina, Charleston, SC, USA

#### LEARNING OBJECTIVES

• Outline current research in the structure and biology of the hair shaft, including hair curl, color, and luster.

John Lemasters, MD, PhD

4:30PM-4:32PM	2 Moderator Introduction
071	Thomas L. Dawson, Jr., PhD   Singapore
4:32PM-4:52PM	20 Fiber Structure and Performance: Mapping the Crosslink Network
073	Jolon M. Dyer, PhD   New Zealand
4:54PM-5:14PM	20 Compartmentation of Mitochondrial and Oxidative Metabolism in Hair Follicles: A Ring of Fire
074	John J. Lemasters, MD, PhD   USA
5:15PM-5:27PM	12 Relating the Biomechanical Properties of the Human Hair Follicle to its Microstructure
075	Lucien Bildstein, PhD   France
5:27PM-5:30PM	3 Q&A
5:30PM-5:42PM	12 Optical Properties of the Medulla and the Cortex of Human Beard and Scalp Hair
076	Babu Varghese, PhD   The Netherlands
5:42PM-5:45PM	3 Q&A
5:45PM-5:57PM	12 Monitoring Changes in Hair Structure During Childhood
077	Maria L. Bovcon, BSc, MSc   Argentina

FRIDAY 21

## 4:30PM-6:00PM NEW TOPICS SELECTED FROM ABSTRACTS: PART I







Victoria H. Barbosa, MD, MBA, MPH Woo-Young Sim, MD

Gillian E. Westgate, PhD

## DIRECTOR

Victoria H. Barbosa, MD, MBA, MPH, Faculty, Department of Dermatology, Rush University

#### **CO-DIRECTORS**

Woo-Young Sim, MD, Professor and Chair, Department of Dermatology, Kyung Hee University, Seoul, Korea

Gillian E. Westgate, PhD, Business Development Manager, Centre for Skin Sciences, University of Bradford, United Kingdom; Director, Westgate Consultancy Ltd., United Kingdom

#### LEARNING OBJECTIVES

· Review a variety of case presentations on hair research and clinical hair disorders.

4:30PM-4:30PM 078	0 Moderator Introduction Victoria H. Barbosa, MD, MBA, MPH   USA
4:30PM-4:38PM 081	8 Treatment of Moderate to Severe Alopecia Areata with the Janus Kinase Inhibitor, Tofacitinib: The Cleveland Clinic Experience Omer Ibrahim, MD   USA
4:38PM-4:40PM	2 Q&A
4:40PM-4:48PM	8 Two-Center Open-Label Trial of Oral Tofacitinib in Patients with Severe, Recalcitrant Alopecia Areata
082	Milene Crispin, MD   USA
4:48PM-4:50PM	2 Q&A

5:30PM-8:30PM EXHIBITS DISMANTLE

5:30PM-8:30PM POSTERS DISMANTLE

4:50PM-4:58PM	8	Sequential Cyclic Change of Hair Roots of Dystrophic Anagen Followed by Catogen and Telogen in The Mechanism of Alopecia Areata Incognita Revealed by Dermoscopy Xingqi Zhang, MD, PhD   China
4:58PM-5:00PM	2	Q&A
5:00PM-5:08PM	8	P-3074, a New HPCH Topical Formulation for the Treatment of Androgenetic Alopecia in Male Subjects
084		Francesco Scarci   Switzerland
5:08PM-5:10PM	2	Q&A
5:10PM-5:18PM 085	8	A Novel Ingredient for Improved Hair Surface Eric Spengler, MAS   USA
5:18PM-5:20PM	2	Q&A
5:20PM-5:28PM	8	A Novel Treatment Principle in Anti-hirsutism Management: An Osteopontin-derived Peptide Potently Inhibits Human Hair Growth in Vitro and in Vivo
086		Marta Bertolini, PhD   Germany
5:28PM-5:30PM	2	Q&A
5:30PM-5:38PM	8	Alopecia Areata Bulbs Show Significant Transcriptional Abnormalities Before, During and After Active Hair Loss
087		Jane Li, MBBS   Australia
5:38PM-5:40PM	2	Q&A
5:40PM-5:48PM	8	a1-AR Agonist Induced Piloerection Protects Against the Development of Traction Alopecia Andy Goren, MD   USA
5:48PM-5:50PM	2	Q&A
5:50PM-5:58PM		Pharmacologic Inhibition of JAK-STAT signaling Promotes Hair Growth
089		Etienne Wang, MBBS, MA   USA
5:58PM-6:00PM	2	Q&A

Versailles

7:00PM-10:30PM CONGRESS DINNER (ticket required)

#### **STOP BY THE** - KA

to experience some great variations on this popular traditional Cuban cocktail:

Traditional Mojito, Sangre Mojito (Blood Orange), Spicy Gingersnap Mojito.

DATE: Friday | NOVEMBER 20, 2015 TIME: 7:00PM-10:30PM

FEE: \$150 per ticket

LOCATION: Pool Terrace, InterContinental Hotel Miami

Come enjoy a fun-filled evening of socializing with your colleagues and friends, old and new. Join us on the pool terrace for a tropical evening of Cuban inspired dining, music and dancing! The attire for the evening is cocktail or business. As the theme is tropical/Cuban, you may want to dress for the theme.

Tickets are required for entry and must be purchased in advance (see registration form). Tickets are not included in the main meeting registration fee. PLEASE NOTE: Tickets to the Congress Dinner are non-refundable due to the guaranteed reservation that must be made on behalf of the attendee.

CUBAN Congress

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# SATURDAY November 21, 2015

## 6:45AM-3:15PM REGISTRATION Mezzanine

7:00AM-2:30PM SPEAKER READY ROOM Oxford

## 7:00AM-8:00AM ANCILLARY MEETING Sandringham Australasian Hair & Wool Research Society (AHWRS) General Membership Meeting

## 7:30AM-9:00AM CONTINENTAL BREAKFAST Versailles

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ENTRANCE

## 8:00AM-9:00AM COFFEE WITH THE EXPERTS

Open to all attendees on a first-come, first served basis. This is an informal session for small groups to discuss a specific topic as noted on the list. The round tables in the General Session will be labeled with a topic and table leader's name. You may sit at any table you like and rotate to as many tables as you wish. The table leader will start the group with a mini-presentation or opening remarks about the topic.

TABLE LOCATIONS

## 01 Alopecia Areata

090 Maria K. Hordinsky, MD | USA

091 Melissa Piliang, MD | USA

02 Cicatricial Alopecia

092 Leonard Sperling, MD | USA

- 093 Ralf Paus, MD | United Kingdom
- 03 Central Centrifugal Cicatricial Alopecia
- 094 Valerie Callender, MD | USA
- 095 Nonhlanhla P. Kumalo, MBChB, PhD | South Africa

## 04 Frontal Fibrosing Alopecia

096 Elise A. Olsen, MD | USA

- 097 Janet Roberts, MD | USA
- 05 Medical Therapy for Androgenetic Alopecia

098 Ulrike Blume-Peytavi, MD | Germany 099 Ken Washenik, MD, PhD | USA

- 06 Low Level Laser Therapy
- 100 R. Rox Anderson, MD | USA
- 101 Joaquin Jimenez, MD | USA

07 Camouflaging Techniques 102 Nilofer P. Farjo, MBChB | United Kingdom

103 Alex Ginzburg, MD | Israel

08 Nutraceuticals
104 Wilma F. Bergfeld, MD | USA
105 Natasha Mesinkovska, MD, PhD | USA

09 Hair Pathology 106 Lynne J. Goldberg, MD | USA

STAGE

10 Trichoscopy 107 Fernanda Torres, MD | Brazil

11 Trichograms108 Hugh Rushton, PhD, DSc | United Kingdom

12 Instruments You Need 109 Bernard Cohen, MD | USA

13 Hair Transplantation
110 Bessam Farjo, MBChB | United Kingdom
111 Sharon A. Keene, MD | USA

14 Robotic Hair Transplantation 112 Chang-Hun Huh, MD, PhD | Korea 113 Paul T. Rose, MD, JD | USA

Stem Cells
 George Cotsarelis, MD | USA
 Valerie A. Randall, PhD | United Kingdom

Versailles

## 16 Follicular Neogenesis

116 Colin Jahoda, PhD | United Kingdom 117 Jerry Shapiro, MD | USA

## 17 Genetic Testing

118 Angela M. Christiano, PhD | USA

## 18 Hair Diversity

119 John Gray, MD | South Africa

120 Gillian E. Westgate, PhD | United Kingdom

19 African American Hair & Scalp Considerations

121 Yolanda Lenzy, MD, MPH | USA 122 Amy McMichael, MD | USA

20 New Drugs and Hair

123 Gabriella Fabbrocini, MD | Italy

21 Hair Loss in Women

124 Paul Farrant, BSc, MBBS | United Kingdom 125 Paradi Mirmirani, MD | USA

22 Hair Care 126 Maria Fernanda Gavazzoni, MD, PhD | Brazil

23 Hair Dyes 127 Jennifer Marsh, PhD | USA

24 Hair Pigmentation 128 Bruno A. Bernard, Dr.es Sci. | France 129 Desmond J. Tobin, PhD | United Kingdom

25 Hair Shaft Disorders 130 David Whiting, MD | USA

26 Hair Diseases in Children131 Andrew G. Messenger, MD | United Kingdom

27 Infections/Infestations 132 Daniel Asz Sigall, MD | Mexico

## 9:30AM-11:00AM GENETICS, GENOMICS, AND PERSONALIZED MEDICINE/BIOMARKERS







Angela M. Christiano, PhD

Abraham Zlotogorski, MD

## DIRECTOR

Day-By-Day Program

Angela M. Christiano, PhD, Professor of Dermatology and Genetics & Development, Columbia University

#### **CO-DIRECTORS**

Regina C. Betz, MD, Prof. Dr. med., Institute of Human Genetics, University of Bonn, Bonn, Germany

Abraham Zlotogorski, MD, Professor and Chair, Department of Dermatology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel

## INVITED SPEAKERS

Latest findings in the field of monogenic hair disorders Regina C. Betz, MD

Mapping of hair disorders—Not everything is gold Abraham Zlotogorski, MD

## LEARNING OBJECTIVES

• Discuss the current research in genetics, genomics and personalized medicine/biomarkers as they relate to the hair follicle and hair disorders.

9:30AM-9:32AM	2 Moderator Introduction
133	Angela M. Christiano, PhD   USA
9:32AM-9:52AM	20 Latest findings in the field of monogenic hair disorders
136	Regina C. Betz, MD   Germany
9:54AM-10:14AM	20 Mapping of hair disorders – Not everything is gold
137	Abraham Zlotogorski, MD   Israel
10:15AM-10:27AM	12 Keratoderma and Woolly Hair Caused by Mutation in KANK2, a Novel Player in the Regulation of Hair Structure
138	Yuval Ramot, MD   Israel
10:27AM-10:30AM	3 Q&A
10:30AM-10:42AM	12 The Development of a Genetic Approach to Suppress an Inheritable Structure Defect of the Hair
139	Jiang Chen, MD   USA
10:42AM-10:45AM	3 Q&A
10:45AM-10:57AM	12 Global MicroRNA Profiling Suggests Their Role in the Control of Human Hair Follicle Ageing
140	Natalia Botchkareva, MD, PhD   United Kingdom
10:57AM-11:00AM	3 Q&A

Versailles

## 11:30AM-1:00PM CLINICAL TRIALS







Rolf Hoffmann, MD



Won-Soo Lee, MD, PhD

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**Jerry Shapiro, MD,** Professor, The Ronald O. Pereman Department of Dermatology, New York University School of Medicine, New York City, NY, USA

## **CO-DIRECTOR**

Valerie D. Callender, MD, Associate Professor of Dermatology, Howard University College of Medicine, Washington, DC, USA

## **INVITED SPEAKERS**

# Treating Alopecia and Beyond: How the hair follicle may be an ideal resource for cell-based therapeutics

Rolf Hoffmann, MD, Professor, Replicel Life Sciences Inc., Vancouver, BC, Canada

## Alopecia Areata: Clinicotherapeutic Trials and Updates

Won-Soo Lee, MD, PhD, Professor and Chairman, Department of Dermatology, Yonsei University, Wonju College of Medicine, Republic of Korea

## LEARNING OBJECTIVES

Outline the current clinical trials in hair disorders

141	Jerry Shapiro, MD   USA
11:32AM-11:52AM	20 Treating Alopecia and Beyond: How the hair follicle may be an ideal resource for cell-based therapeutics

11:30AM-11:32AM 2 Moderator Introduction

143 Rolf Hoffmann, MD | Canada

11:54AM-12:14PM 20 Alopecia Areata: Clinicotherapeutic Trials and Updates 144 Won-Soo Lee, MD, PhD | Korea

		·
12:15PM-12:27PM	12	Safety and Efficacy of a Topical Treatment (SM04554) for Androgenetic Alopecia (AGA): Results from a Phase 1 Trial
145		Yusuf Yazici, MD   USA
12:27PM-12:30PM	3	Q&A
12:30PM-12:42PM	12	Induction of Hair Growth in Subjects with Male Pattern Baldness by Hypoxia Induced Multipotent Stem Cell-Secreted Proteins
146		Gail Naughton, PhD   USA
12:42PM-12:45PM	3	Q&A
12:45PM-12:57PM	12	Female Pattern Hair Loss: Combination Therapy With Low Dose Oral Minoxidil and Spironolactone
147		Rodney D. Sinclair, MBBS, MD, FACD   Australia

12:57PM-1:00PM 3 Q&A

## 1:00PM-1:30PM COFFEE (coffee and snacks)

Versailles

## CONCURRENT SESSIONS

## 1:00PM-2:30PM NEW TOPICS SELECTED FROM ABSTRACTS: PART II







Lloyd E. King, MD, PhD

Ryoji Tsuboi, MD, PhD Sundaram Murugusundram, MD DIRECTOR Lloyd E. King, MD, PhD, Professor of Medicine (Dermatology),

Vanderbilt University Medical Center, Founder, Vanderbilt Dermatology Division & Residency, Nashville, TN, USA

## **CO-DIRECTOR**

Sundaram Murugusundram, MD, Founder & Medical Director, Chennai Skin Foundation & Yesudian Research Institute, Chennai, India

Ryoji Tsuboi, MD, PhD, Professor and Chairman, Department of Dermatology, Tokyo Medical University, Tokyo, Japan

## LEARNING OBJECTIVES

· Review a variety of case presentations on hair research and clinical hair disorders.

1:00PM-1:00PM 148	0 Moderator Introduction Lloyd E. King, MD, PhD   USA
1:00PM-1:08PM	8 A Stable Polyamine Analogue, N1-methylspermidine, Prolongs Anagen and Regulates Human Hair Follicle Stem Cells via Anti-oxidative, Anti-inflammatory and Peripheral Clock-related Mechanisms
151	Yuval Ramot, MD   Israel
1:08PM-1:10PM	2 Q&A
1:10PM-1:18PM	8 A Multi-scale Model for Hair Follicle Reveals Phase Separation Mechanism Drives Rapid Hair Growth Patterning
1:10PM-1:18PM 152	Phase Separation Mechanism Drives Rapid

	1:20PM-1:28PM	8	Hair Follicle Mesenchyme Cells Exhibit Immune Privilege and Can Improve Islet Allograft Survival
	153		Kevin McElwee, PhD   Canada
	1:28PM-1:30PM	2	Q&A
	1:30PM-1:38PM	8	DNA Methylation Profile of Monozygotic and Dizygotic Twins Discordant for Alopecia Areata
	154		Eddy Hsi Chun Wang, PhD   USA
	1:38PM-1:40PM	2	Q&A
	1:40PM-1:48PM	8	Shh Signaling Regulates the Damage Response of Murine and Human Hair Follicles in Chemotherapy-induced Alopecia
	155		Iain Haslam, PhD   United Kingdom
	1:48PM-1:50PM	2	Q&A
у,	1:50PM-1:58PM	8	Evidence for Alopecia Areata and Celiac Disease Cross-reactive Epitopes Expressed by Anagen Hair Follicle Inner Root Sheath - Implications for Alopecia Areata Autoantigen(s) Discovery
	156		Desmond J. Tobin, PhD   United Kingdom
	1:58PM-2:00PM	2	Q&A
_	2:00PM-2:08PM	8	Variations and Similarities of Hair Follicles and Papillae from Vertex and Occipital Regions in Subjects with Androgenetic Alopecia and Healthy Controls
	157		Paul L. Bigliardi, A/Prof   Singapore
	2:08PM-2:10PM	2	Q&A
	2:10PM-2:18PM	8	BMP Signalling and Sox2 in the Dermal Papilla Regulates the Hair Follicle Stem Cell Niche
_	158		Carlos Clavel, PhD   Singapore
_	2:18PM-2:20PM	2	Q&A
	2:20PM-2:28PM	8	Using Signaling Pathway Activation Analysis to Identify Prospective Drugs that May Be Used for Treatment of Androgenetic Alopecia Evgeniya Schastnaya   USA
	2:28PM-2:30PM	2	Q&A
_		_	

1:18PM-1:20PM 2 Q&A

## 1:00PM-2:30PM ANCILLARY MEETING The Korean Hair Research Society (KHRS) General Membership Meeting

## 2:30PM-3:00PM CLOSING CEREMONY AND AWARDS

2:30PM-2:45PM	15 Presentation of Poster & Oral Awards, and NAHRS Travel Grants Angela Christiano, PhD
2:45PM-2:50PM	10 Presentation of Congress Planning Committee Certificates

Wilma F. Bergfeld, MD & Ken Washenik, MD, PhD

## 2:50PM-2:55PM 5 Announcement of 2017 WCHR – Japan Ryoji Tsuboi, MD, PhD 2:55PM-3:00PM 5 Final Remarks Maria K. Hordinsky, MD

## **3:00PM ADJOURN**

Day-By-Day Program

## Versailles

Sandringham

Scientific Posters

**Biscayne & Chopin** 

# **Scientific Posters**

The scientific poster presentations will be on display in the Chopin and Biscayne Ballrooms on the Mezzanine Level. All accepted abstracts are required to prepare a poster. Poster display area for each poster is 4 ft x 4 ft (1.2m x 1.2m). No CME credit will be issued for poster viewing or poster sessions.

## P001-P164 Chopin P165-P248 Biscayne

## P001 TBA

P002 Child Ludwig Pattern Hair Loss Stene Jean-Jacques, MD | Belgium

P003 Hair Follicle Neogenesis and Regenerative Cutaneous Wound Healing with Tocotrienol Noha S. Ahmed | USA

P004 From Hair to Heart: Nestin-Expressing Hair Follicle Associated Pluripotent (HAP) Stem Cells Differentiate to Beating Cardiac Muscle Cells Yasuyuki Amoh, MD, PhD | Japan

P005 Lichen Planus Pigmentosus in Frontal Fibrosing Alopecia: Limitations for the Use of Antimalarials? Alessandra Anzai, MD | Brazil

- P006 Male Frontal Fibrosing Alopecia with Cutaneous Lichen Planus: A Case Report Alessandra Anzai, MD | Brazil
- P007 Regulatory T-cells in the C3H/HeJ Mouse Model of Alopecia Areata Annika BM Åstrand, PhD | Sweden
- P008 Trichoscopy in Diferencial Diagnosis of Female Pattern Hair Loss Daniel Asz-Sigall, MD | Mexico
- P009 The Microfollicle: In Vitro Modelling the Hair Follicle for High-throughput Screening Beren Atac, PhD | Germany

POSTER PRESENTERS HANG THEIR POSTERS
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Wednesday 1:00PM-4:30PM NOVEMBER 18, 2015

POSTER	VIEWING HOURS
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Wednesday NOVEMBER 18, 2015 Thursday NOVEMBER 19, 2015

Friday NOVEMBER 20, 2015

## FORMAL POSTER SESSIONS

Thursday NOVEMBER 19, 2015 Friday

NOVEMBER 20, 2015

## POSTER DISMANTLE

Friday NOVEMBER 20, 2015 5:30PM-8:30PM

4:30PM-8:00PM

7:30AM-9:00PM

7:30AM-5:30PM

7:30AM-8:45AM even numbers

7:30AM-8:45AM odd numbers

- P010 Repairing Effect on Damaged Hair of the Shampoo With a High Content of Botanical Oil Woori Bae, MSc | Korea
- P011 A Retrospective Review of Treatment Results for Patients With Central Centrifugal Cicatrical Alopecia Courtney W. Bagayoko, MD, MS | USA
- P012 Prostaglandin D2 and Its Metabolite 15-dPGJ2 Promote Catagen Progression in Mice Soon Sun Bak, PhD | Korea
- P013 In Vitro Reconstructed Scalp Model to Study Early Steps of Hair Follicle Neo Morphogenesis Khalid Bakkar, PhD | France
- P014 Eyelash Transplantation: Sequelae & Complication Management Alan J. Bauman, MD | USA
- P015 Effects of Hair Products and Actives on Hair Water Content Fraser I. Bell, PhD | United Kingdom
- P016 Progressive Modification of Hair Keratin Protein Through Repeated Use of Penetrating Actives Delivered by Shampoo and Conditioner Systems Fraser I. Bell, PhD | United Kingdom
- P017 Clinical Effects of DPCP in Alopecia Areata, Retrospective Review of 50 Patients Wilma F. Bergfeld, MD | USA

- P018 Is Androgen Excess Masked in Alopecia Areata Patients: A Retrospective Data Analysis of 1,587 Patients
  - Wilma F. Bergfeld, MD | USA
- P019 Prevalence of Hormonal and Endocrine Dysfunction in Lichen Planopilaris Patients: A Retrospective Data Analysis of 413 Patients Wilma F. Bergfeld, MD | USA
- P020 A Novel Treatment Principle in Anti-hirsutism Management: An Osteopontin-derived Peptide Potently Inhibits Human Hair Growth in Vitro and in Vivo

Marta Bertolini, PhD | Germany

P021 Do γδT Cells Contribute to Human Hair Biology and Pathology?

Marta Bertolini, PhD | Germany

- P022 Pilot Observations That the Ecto-enzymes, CD73 and CD39, May be Novel Players in the Human HF Immune System and in Hair Growth Regulation Marta Bertolini, PhD | Germany
- P023 Dissecting Folliculitis in Children Post Lice Infestation Diego L. Bet, MD | Brazil
- P024 Variations and Similarities of Hair Follicles and Papillae from Vertex and Occipital Regions in Subjects with Androgenetic Alopecia and Healthy Controls

Paul L. Bigliardi, A/Prof | Singapore

- P025 Relating the Biomechanical Properties of the Human Hair Follicle to its Microstructure Lucien Bildstein, PhD | France
- P026 Solution of Hair Strength Using the Maillard Reaction Sungah Bin | Korea
- P027 A Case of Foreign Body Reaction Following Hair Restoration Surgery Leila D. Bloch, MD | Brazil
- P028 Efficacy Assessment of a Nutraceutical in the Reduction of Telogen Effluvium in Women Leila D. Bloch, MD | Brazil
- P029 Global MicroRNA Profiling Suggests Their Role in the Control of Human Hair Follicle Ageing Natalia Botchkareva, MD, PhD | United Kingdom
- P030 Adipose Derived Stromal Stem Cells Therapy in Alopecia Maria L Bovcon, BSc, MSc | Argentina
- P031 Monitoring Changes in Hair Structure During Childhood Maria L Bovcon, Bsc MSc | Argentina
- P032 Association of Lichen Planopilaris with Thyroid Disease: A Retrospective Case-control Study Nikoleta Brankov, BS | USA
- P033 Can Hair Follicles "See" the Light? Analysis of Light-Sensitive Receptors in Human Hair Follicles Serena Buscone, MSc | United Kingdom
- P034 The Prevalence of Geriatric Alopecia Areata Among 572,617 Dermatology Patients Seen at a Large Dermatology Group Private Practice Throughout Florida and Ohio Chauncey C. Caldwell, MD | USA
- P035 Safety and Efficacy of Clobetasol Propionate 0.05% E Foam for the Treatment of Central Centrifugal Cicatricial Alopecia Valerie D. Callender, MD, FAAD | USA
- P036 Trichotillomania Treated With N-acetyl Cysteine María E. Cappetta, MD | Argentina
- P037 Understanding the Genetics of Rare Hair Disorders in Children Leslie Castelo-Soccio, MD, PhD | USA
- P038 The Development of a Genetic Approach to Suppress an Inheritable Structure Defect of the Hair Jiang Chen, MD | USA
- P039 The Thyroid Hormone Analogue KB2115 (Eprotirome) Prolongs Anagen in Human Hair Follicles: A Novel Strategy for Managing Telogen Effluvium? Jérémy Chéret, PhD | Germany

- P040 Androgenetic Alopecia: Is Mitochondria Function Altered in Dermal Papilla Cells From Balding Scalps? Elaine G. Chew, BSc | Singapore
- P041 Prevention and Treatment of Alopecia Areata with Mesenchymal Stem Cells in the C3H/HeJ Mouse Model Gwang Seong Choi, MD | Korea
- P042 A Pilot Study on Efficacy and Safety of Various Concentrations of Intralesional Triamcinolone Acetonide for Patchy Alopecia Areata Thomas W. Chu, MD | Taiwan
- P043 Short and Long Term Tissue Changes After Heat and Steam Treatment in Hair Follicles and Skin in Mice: A Histolopathology and HD-OCT Study

Shunjie Chua, MD | Singapore

- P044 Comparison of Quality of Life Using Hair Specific Skindex-29 between Androgenetic Alopecia and Alopecia Areata Hee-Chul Chung, MD | Korea
- P045 Klotho Might be an Important Regulatory Factor for Human Hair Growth Hee-Chul Chung, MD | Korea
- P046 Prevalence of Female-pattern Hair Loss and Its Association with Family History of AGA in Korean Men Using BASP Classification Hee-Chul Chung, MD | Korea
- P047 Protective Effect of Korean Red Ginseng on the Chemotherapy Induced Alopecia Hee-Chul Chung, MD | Korea
- P048 The Association Between Exercise and Androgenetic Alopecia Hee-Chul Chung, MD | Korea
- P049 The Effects of Ultraviolet Radiation on Lipid Metabolism in Human Hair Follicles Hee-Chul Chung, MD | Korea
- P050 BMP Signalling and Sox2 in the Dermal Papilla Regulates the Hair Follicle Stem Cell Niche Carlos Clavel, PhD | Singapore
- P051 Comorbidities Associated with Alopecia Areata Ruzica Z. Conic, MD | USA
- P052 The Presence of Hypopigmentation in Frontal Fibrosing Alopecia Ruzica Z. Conic, MD | USA
- P053 Alopecia Areata Universalis: Hair Regrowth with Fractioned CO2 Laser Therapy - Case Report. Marilia G. R. Crisostomo, MD | Brazil
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- P085 Long-Term Gelfoam® Whisker Follicle Histocultures Promote Recovery of Severed Peripheral Nerves and the Spinal Cord When Transplanted to the Injury Site Robert M. Hoffman, PhD | USA
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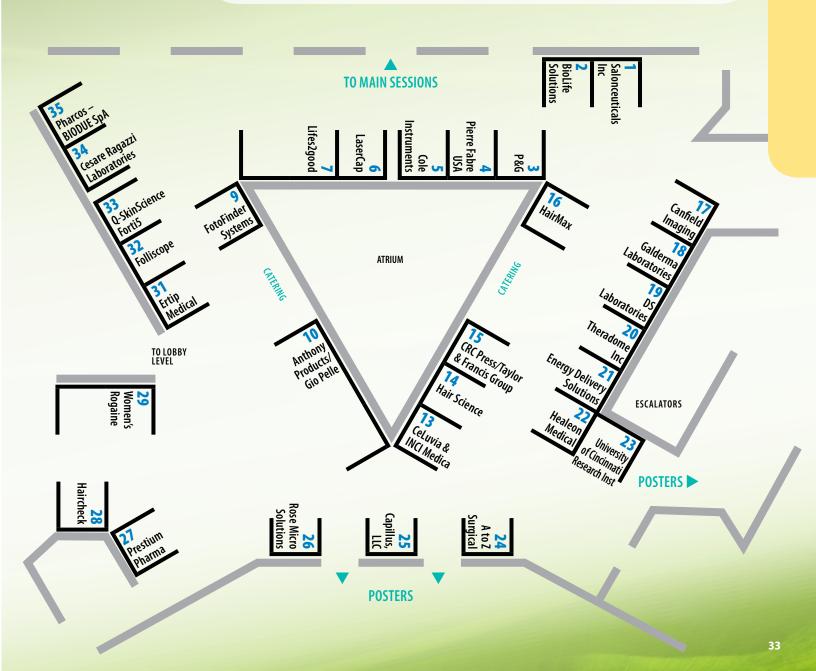
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EXHIBIT VIEWING HOURS			
Wednesday NOVEMBER 18, 2015	4:30PM-8:00PM Welcome Reception in Exhibit Area 6:30PM-8:00PM		
Thursday NOVEMBER 19, 2015	7:30AM-5:00PM		
Friday NOVEMBER 20, 2015	7:30AM-5:30PM		
EXHIBITORS DISMANTI F			

Friday	5:30PM-8:30PM
Friday	5:50PINI-6:50PINI
NOVEMBER 20, 2015	



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3303 Monte Villa Parkway, Suite 310 Bothell, PA 98021 USA Phone: 1-425-402-1400 or toll-free (U.S. & Canada) 1-866-424-6543 info@biolifesolutions.com www.biolifesolutions.com Matt Snyder, VP Global Sales **BOOTH #2** 

HypoThermosol® is a GMP, serumfree, protein-free, clinical grade graft storage solution specifically formulated to preserve cells and tissues during hypothermic storage.

## **Canfield Imaging Systems**

253 North Passaic Avenue Fairfield, NJ 07004 USA Phone: toll-free (U.S & Canada) 1-800-815-4330 or 1-973-276-0339 info@Canfieldsci.com www.Canfieldsci.com

## BOOTH #17

A global imaging service and systems provider offering solutions to improve communications and support claims through photographic documentation and image analysis.

## Capillus, LLC

1430 South Dixie Highway, Suite 304 Coral Gables, FL 33146 USA Phone: 1-786-888-6249 or toll-free (U.S. & Canada) 1-888-272-9599 www.capillus.com Carlos Piña, CEO

## BOOTH #25

Capillus, LLC manufactures & markets the FDA-cleared, Capillus272 laser therapy cap, a low-level laser device that is safe & effective for the treatment of hair loss due to heredity. The Capillus272 is a non-surgical option sold only through physicians.

## CeLuvia & INCI Medica

23 Lesmill Road # 205 Toronto, ON M3B 3P6 CANADA Phone: 647-894-7781 giorashavit@hotmail.com www.celuvia.com www.reload-hairloss.com

## BOOTH #13

Celuvia & Inci Medica are leaders in the anti-aging and hair restoration technology. From brightening complex to skin reconstruction up to hair growth. True results & zero side effects. Looking for distributors.

## Cesare Ragazzi Laboratories

Via Benini, 11 Zola Predosa (Bologna), 40069 ITALY Phone: +39051755407 stefanoospitali@cesareragazzi.com www.cesareragazzi.com Stefano Ospitali, CEO **BOOTH #34** 

#### BOOTH #34

Hair replacement system: cnc Italian medical device – CRLAB trichological products.



## **Cole Instruments**

1070 Powers Place Alpharetta, GA 30009 USA Phone: 1-678-566-1011 or toll-free (U.S. & Canada) 1-800-368-4247 Fax: 1-678-566-1957 sales@coleinstruments.com www.coleinstruments.com Barbara Perkins **BOOTH #5** 

Hair transplant medical devices.

## CRC Press/Taylor & Francis Group

6000 Broken Sound Parkway NW Suite 300 Boca Raton, FL 33487 USA Phone: 1-561-998-2507 Fax: 1-561-998-2559 www.crcpress.com **BOOTH #15** 

CRC Press – Taylor & Francis Group is a global publisher of print and electronic books. Visit our booth to browse our publications in hair restoration and plastic surgery and receive convention discounts. Register for email alerts at www.crcpress.com.

## **DS Laboratories**

1601 Green Road Pompano Beach, FL 33064 USA Phone: toll-free (U.S. and Canada) 1-888-404-7770 sheryl@dslaboratories.com www.dslaboratories.com Sheryl Bard, Director of Customer Service

## BOOTH #19

We are on a mission to radically change hair and skin care practices by developing innovative technologies which make a meaningful difference in the lives of our customers. DS Laboratories, as an industry leader for over 10 years, has an unrelenting passion to continually revolutionize the beauty industry.

## **Energy Delivery Solutions**

3315 Industrial Parkway Jeffersonville, IN 47130 USA Phone: 812-920-0596 Fax: 812-725-9018 bill.ehringer@energy-deliverysolutions.com www.energy-delivery-solutions.com Dr. Bill Ehringer, CEO **BOOTH #21** 

Energy Delivery Solutions offers the world's only ATP delivery solution for use in cell and tissue preservation. Our patented solution has been used in cell and tissue studies during hypoxia and has shown superior performance compared to cell medias or tissue and organ preservation solutions alone.

## **Ertip Medical**

Halide Edip Adivar Mah. Akar Cad. No: 38 Kat: 3 Daire: 8 Bomonti Sisli Istanbul, 34382 TURKEY Phone: 00902122103220 Fax: 00902122102565 info@ertipmedical.com www.ertipmedical.com Ms. Busra Eryigit, International Sales & Marketing Manager BOOTH #31

Ertip provides FUE punches and FUE Device Combi 24 developed for motorized system instead of manual use to open a canal for hair follicles fast and effectively. FUE punches vary in 6 different sizes which are 0,6 - 0,7 - 0,8 - 0,9 - 1,0 - 1,2 MM.

## Folliscope

#203, 593-64 Bangbae Dong Seocho-Gu Seoul, SOUTH KOREA Phone: 82-10-5492-1010 anagencorp@gmail.com www.folliscope.com Terry Lee **BOOTH #32** 

Folliscope is a system that offers to customers accurate hair characteristics information by examining hair density, thickness and growth rate with the use of a computer equipped with a high definition color video microscopic camera and extra software.

## **FotoFinder Systems GmbH**

Industriestraße 12 84364 Bad Birnbach, GERMANY Phone: +49 (0) 8563 97720-0 Fax: +49 (0) 8563 97720-10 info@fotofinder.de www.fotofinder.de Andreas Mayer **BOOTH #9** 

FotoFinder is setting the pace in trichoscopy, offering unmatched resolution for measurements with half-micron accuracy and services for diagnosing hair loss without shaving, epilation or biopsy! FotoFinder Trichoscale provides you with a digital trichogram.



## Galderma Laboratories, L.P.

14501 North Freeway Service Road East Fort Worth, TX 76177 USA Phone: 1-817-961-5297 vanessa.villasenor@galderma.com www.galderma.com **BOOTH #18** 

Galderma Laboratories, L.P. Founded in 1981, Galderma is committed to delivering innovative medical solutions to meet the dermatological needs of people throughout their lifetime while serving healthcare professionals around the world.

## Haircheck

## 12188 SW 128th St.

Miami, FL 33186-5231 USA Phone: 1-305-253-9200 or toll-free (US & Canada) 1-800-233-7453 Fax: 1-305-253-6696 vidal@iberiusIlc.com www.haircheck.com Mike Vidal, President **BOOTH #28** 

Patented technology measures hair loss, breakage, and response to treatments. Haircheck gives a precise measurement of "how much hair" is present in an area of scalp and will generate a "hair score" to aid in the diagnosis of thinning and shedding.

## HairMax-Lexington International, LLC

777 Yamato Road Boca Raton, FL 33431, USA Phone: 1-561-314-2430 Fax: 1-561-892-0747 dm@hairmax.com www.hairmax.com David Michaels, Managing Director **BOOTH #16** 

HairMax laser phototherapy medical devices treat androgenetic alopecia and promote hair growth in both males and females, and are U.S. FDA cleared. Six double-blind studies were conducted, proving the safety and efficacy, with results published in 3 peer-reviewed journals.

## **Hair Science**

5355 E. High Street, #422 Phoenix, AZ 85054 USA Phone: 1-951-295-8087 dgreif1@cox.net www.hairscience.com Doug Greif, President **BOOTH #14** 

Uniquely engineered formulations, such as Formula 82M, are designed to restore hair follicles to normal function. Formula 82M is a prescription formulation that is supplied through MasterPharm Compounding Pharmacy in New York.

## Healeon Medical, Inc.

1111 Rancho Conejo Blvd., #204 Newbury Park, CA 91320 USA Phone: 1-805-499-7482 sales@healeonmedical.com www.healeonmedical.com John Panik

## BOOTH #22

Healeon Medical, Inc. provides devices featuring the state-of-the-art CENTRIcyte 1000 AND Healeon's PRP for regenerative cellular therapy.

## LaserCap

3615 Superior Ave., Suite 3104F Cleveland, OH 44114 USA Phone: international toll-free at 1-877-711-4769 info@lasercap.com www.lasercap.com Prerna Khemka, Director **BOOTH #6** 

LCPRO<sup>™</sup> – a hair thinning treatment device which uses low level light therapy to aid in the medical management of hair loss. It is wireless, portable and discreet and has 224 lasers for optimal power and efficacy. Created by the inventors of LaserCap.

## Lifes2good

355 N. Canal Street Chicago, IL 60606, USA Phone: 1-312-454-6184 Fax: 1-312-454-6184 mark@lifes2good.com www.lifes2good.com Mark Holland, CEO North America **BOOTH #7** 

Viviscal Professional is a 100% drug free solution to fuller and thicker hair that is backed by 7 clinical trials and some of the world's leading physicians.

## Pharcos – **BIODUE SpA**

Via Ambrogio Lorenzetti 3/a Sambuca V.P., Florence, ITALY Phone: +39335306415 ruffo.benedetti@biodue.com Dr. Ruffo Benedetti, CEO BOOTH #35

The WNT pathway represents the principal molecular signaling system that acts in the epidermis and the derma during the formation and development of the hair follicle. Deltacrin WNT, promoting the activation of the WNT pathway, is an innovative product line for the treatment of hair loss.

## **Pierre Fabre USA**

8 Campus Drive, Fl. 2 Parsippany, NJ 07054 USA Phone: 1-973-355-8000 Fax: 1-973-989-0420 customerservice@pfdcusa.com www.pierre-fabre.us Anais Gueriaud, Product Manager -Glytone

## BOOTH #4

Pierre Fabre Laboratories is one of the largest pharmaceutical companies in France and a worldwide specialist in dermo-cosmetics including the Ducray brand, dedicating its research to the health and beauty of hair with clinically demonstrated results.

## **Prestium Pharma**

411 South State Street, Suite E-100 Newtown, PA, 18940 USA Phone: 1-267-685-0340 james.caruso@renpharm.com www.prestiumpharma.com James Caruso, Product Manager **BOOTH #27** 

Prestium is committed to improving patients' lives by reliably supplying high-quality, complex pharmaceutical products.

## **Procter & Gamble**

2 P&G Plaza Cincinnati, OH 45202 USA Phone: 1-513-983-1100 Sullivan.a.4@pg.com www.pgdermatology.com Andy Sullivan **BOOTH #3** 

Procter & Gamble partners with leading health care professionals and scientists to develop breakthrough products that help improve the quality of patients' lives.

## **Q-SkinScience Forti5**

12203 SW 131 Ave Miami, FL 33186 USA Phone: 1-305-591-6868 Fax: 1-786-429-3525 info@qskinscience.com www.qskinscience.com BOOTH #33

Q-SkinScience® Forti5 is a nutritional supplement designed by world leading dermatologists based on the most advanced hair loss research currently available. It helps to restore and support thicker and faster growth of thinning hair through five key pathways.

## Salonceuticals Inc.

3148 W. Pembroke Road Hallandale, FL 33009 USA Phone: 1-877-706-8688 ginger@regenepure.com www.salonceuticals.org Ginger Loranger-Alarcon **BOOTH #1** 

Regenepure by Salonceuticals is an advanced doctor endorsed pre and post-transplant product line free of sulfates and parabens.

## Theradome, Inc.

4900 Hopyard Road, Suite 100 Pleasanton, CA 94588 USA Phone: 1-510-828-5880 www.theradome.com **BOOTH #20** 

Theradome™LH80 PRO, the world's technologically advanced, FDA-cleared OTC wearable laser helmet for hair growth. Millions of people suffering hair loss can enjoy effective hair treatments at home. Our device uses 80 proprietary lasers to deliver clinical grade performance for hair restoration therapy.

## University of Cincinnati Research Institute

260 Stetson Street Cincinnati, OH 45226-1401 USA Phone: 1-513-558-5849 nick.nikolaides@ucri.org www.ucri.org Nick Nikolaides, Business Development **BOOTH #23** 

TUCRI helps businesses tap into the world-class expertise & resources found on the UC campus. We're a separate organization from UC, but closely affiliated and well connected. We offer a "one stop shop" for accessing UC smarts in all its many varieties.

## Women's Rogaine

199 Grandview Road Skillman, NJ 08558, USA Phone: 1-800-223-0182 jhaus2@its.jnj.com www.womensrogaine.com Jared Haus, Director Professional Marketing

**BOOTH #29** 

The ROGAINE® brand is the first topical brand FDA-approved to help regrow hair - in both men and women. With 25 years of results and numerous clinical trials, the ROGAINE® brand is the #1 dermatologist-recommended brand for hair regrowth.

## Non-Profit Organizations – Table Top Exhibits

# Alopecia UK

Alopecia UK is a small UK charity which has a vision to improve the lives of those affected by alopecia. We have aims

centred around support, awareness, research and fundraising. Although we predominately focus on alopecia areata, we support individuals with scarring and androgenetic alopecia too as the psychological and social stigma issues are the same.

We have developed a network of supports across the UK. At these meetings people meet others with hair loss and share their experiences and information, increasing their feelings of support and reducing feelings of isolation. In 2014 we held our first 'Big Weekend' incorporating an information day with healthcare professionals providing presentations and workshops tailored to children and adults. We enabled individuals to socialise in a safe environment to give them coping strategies as many people feel isolated by their skin disease.

We have helped to fund a Hair Loss Priority Setting Partnership to identify the unanswered questions about hair loss prevention, diagnosis and treatment. This is a consultative process with patients, carers, parents and clinicians to agree which priorities research should target and what really matters to everyone.



## **The Cicatricial Alopecia**

**Research Foundation (CARF)** is a nonprofit public charities organization and the world's only voice for patients with cicatricial alopecia. Our Mission is to provide education and patient support, raise public awareness, and advance and promote

research, and our Vision is to improve the care of patients with inflammatory, scarring hair disorders HOW WE HELP:

1. We fund research. CARF-funded research is leading the effort to find more effective treatments and a cure for cicatricial alopecia. The Cicatricial

Alopecia Research Symposium (2011) brought together world-class experts and facilitated the exchange of ideas and information between laboratory and clinical researchers to accelerate the translation of basic scientific discoveries into clinical applications. The next Symposium will occur in May 2016 in conjunction with the SID Annual Meeting.

2. We organize and facilitate support groups. CARF support groups, active in 10 cities in the United States, Canada and the United Kingdom, serve as a forum for patients to share insights in a supportive, safe, and comfortable setting. Through the exchange of information, participants find emotional, medical and cosmetic support for living with cicatricial alopecia. A physician is present at all meetings to answer questions and make sure correct, up-to-date information is given.

- 3. We hold patient-doctor conferences. The CARF biennial Patient-Doctor Conference is a multi-day educational conference where patients learn more about the diagnosis and available treatments, discover the latest research breakthroughs, hear about cosmetic solutions, meet leading physicians and researchers in the field, and participate in breakout sessions.
- 4. We provide education to the public via website, brochures, newsletter, and advocacy.



The International Society of Hair **Restoration Surgery** (ISHRS) is an international, non-profit medical society

comprised of over 1,200 members representing 70 countries - dedicated to promulgating the highest standards of medical practice and medical ethics. Member categories include fellow, member, associate member, adjunct (researchers), residents, and surgical assistants. Since its incorporation in 1993, a renaissance in hair restoration surgery was

set into motion by the ISHRS. The multidisciplinary, international membership of the ISHRS is a critical mass for innovation in hair restoration surgery.

The ISHRS provides continuing medical education to physicians and fosters an environment of open dialogue, sharing, and collegiality. The ISHRS gives the public the latest information on medical and surgical treatments for hair loss. The ISHRS is accredited by the Accreditation Council on Continuing Medical Education and is a member of the American Medical Association's House of Delegates.

The ISHRS has published and maintains the Core Curriculum in Hair Restoration Surgery and the

Core Competencies for Hair Restoration Surgeons. The ISHRS also provides annual research grants to relevant clinical research projects directed toward the subject of hair restoration.

The ISHRS's pro bono program, Operation Restore, was initiated in 2004 and matches volunteer ISHRS physicians with prospective hair restoration patients suffering from hair loss as a result of trauma or disease who lack the resources to obtain treatment on their own. The program has provided over \$630,000 USD of free surgery and travel expenses.



## **The National Alopecia Areata Foundation** (NAAF) is widely

regarded as the largest, most influential and most representative organization dedicated to improving the lives of individuals with alopecia areata: an autoimmune

skin disease causing hair loss with a cumulative lifetime incidence of 2.1% which translates into 147 million people worldwide who have, had or will develop alopecia areata at some point in their lives. As a 501(c)3 nonprofit, NAAF funds research to find a cure or acceptable treatment for alopecia areata and related diseases, supports those with the

disease, and educates the public about alopecia areata. Founded in 1981, NAAF is governed by a volunteer Board of Directors and guided by two prestigious **Research Advisory Councils.** 

NAAF has been a key driver of alopecia areata research for over 30 years and is dedicated to finding an effective treatment or cure for all those affected by the disease.



The World Trichology Society is a North American-based organization dedicated to educating, supporting and promoting

trichologists worldwide. With this goal in mind, in addition to our Associate and Certification

courses, we also offer a Fellow course for advanced trichological knowledge and have liaised with an accredited online University to offer a Doctor of Health Science (DHS) course with a specialization in trichology.

- The World Trichology Society's aims:
  - · To promote leadership in trichology and excellence in client/patient care through education and advocacy.
- · Promote excellence in educational standards for student-trichologists worldwide.
- Promote interdisciplinary interaction between trichologists, physicians and other specialties for the benefit of the client/patient.



### There's no place on Earth like Miami.

Made legendary during the whimsical Art Deco era, and again when Crockett and Tubbs of the TV show "Miami Vice" thrilled us as they raced across the city, Miami has evolved into the world's premier playground — so much more than it ever was before.

Officially called Greater Miami and the Beaches, Miami offers a fascinating blend of cutting edge urban chic and Old World Florida mixed with Cuban culture.

Miami is world renowned for its beautiful sand beaches, hot clubs and luxe lounges. Cosmopolitan crowds and beautiful surroundings make Miami the perfect place to party after a long day. Home to master chefs, five-star restaurants and the freshest ingredients, Miami has become a mecca for foodies. Miami's restaurants feature a blend of culture and culinary technique that has evolved into what is now known as New World Cuisine — a product of Caribbean, Latin and European cuisines unique to the destination.



Although the Cuban influence runs strong, Miami has an unparalleled mix of ethnic and cultural groups spread throughout the sprawling city (more than 100 languages spoken). Miami offers a live and let live philosophy — an essential attitude in a large city with so many different points of view.

Glorious weather has always been the main attraction, with yearly temperatures in Miami averaging 76°F. Sun-kissed days feature bluer than blue skies, dotted with surreal cotton candy clouds. Gentle breezes keep things cool throughout the day, while sultry temperatures heat up clear "Moon over Miami" evenings.

In recent years, Miami has spawned its own artistic renaissance, hosting several prestigious film, music and art festivals while still offering local gallery walks down historic streets. In addition, Downtown Miami has been going through major development over the past several years. The latest addition is the currently underconstruction Museum Park, a state-of-the-art, environmentally friendly bayfront facility. The stunning Pérez Art Museum Miami is now open, and the Frost Museum of Science will soon be open in early 2016.

Miami is home to two national parks and countless other attractions, so visitors have unlimited options — snorkeling, swimming with dolphins, playing with monkeys, hand-feeding alligators and conversing with parrots, to name a few.



Enjoy a day at sea. Sail across Biscayne Bay or snorkel at one of the recreational diving spots and let the calm waters of the Atlantic Ocean relax and inspire you. Sightseeing tours, beach excursions and sunset cruises provide just the right opportunity for visitors to dive right in.





### **EXPLORE MIAMI'S MANY EXCITING NEIGHBORHOODS**

**DOWNTOWN MIAMI** The location of the InterContinental Hotel Miami, downtown is a hub for international business and finance, with soaring office towers and ultra-modern condominiums lining Brickell Avenue. Enjoy the shopping, dining and nightlife of the new and exciting Mary Brickell Village.

### SOUTH BEACH/ART DECO DISTRICT

South Beach is located just off the mainland, across the MacArthur Causeway from Downtown Miami, which is about a 20 minute drive. South Beach's Art Deco District pulls vou in with an imaginative collection of more than 800 architecturally protected historic buildings from the 1930s and 1940s – the largest concentration of Art Deco architecture in the world. Referred to as the "American Riviera," South Beach is crowned by Ocean Drive,



a world class catwalk of seeand-be-seen boutique hotels, alfresco cafes, bikini-clad in-line skaters and beaches packed with fashionable sun seekers. Across from this pedestrian

friendly area of town is Lincoln Road, a lively magnet for culture, entertainment and shopping, as well as people watching.

**DESIGN DISTRICT** On the northern fringes of downtown, the Design District is home to leading home designer brand stores and also other fashion brand icons.

WYNW00D With a tropical SoHo vibe, Wynwood is home to more than 100 art galleries and the astonishing Wynwood Wall, an open air park dedicated to cutting-edge museum quality contemporary urban murals.

LITTLE HAVANA Saturated with Cuban culture, Little Havana's main thoroughfare, Calle Ocho (Eighth Street) is lined with comfort food restaurants featuring Latin specialties and cafes where men sip cafecitos, play dominos and argue about politics all day. Here, artisans still hand-roll cigars, and tailors create custom guayaberas (traditional linen shirts), while the sounds of salsa and meringue fill the air.

LITTLE HAITI This is the cultural heart for the Haitian Diaspora. The area boasts art galleries, Haitian book and music stores and the Little Haiti Cultural Center. which hosts dance and theater performances and is increasingly becoming a burgeoning center of small independent businesses of all kinds.

### **COCONUT GROVE** South of

downtown where the foliage becomes lush and tropical, Coconut Grove was legendary in its heyday as an arts colony. Today, the culturally diverse locality draws throngs of tourists and residents to its restaurants and cafes, art galleries, boutiques, farmers' markets and bookstores.

**BAL HARBOUR** A favored hideaway of the rich and famous, Bal Harbour epitomizes luxury living. Upscale hotels and condos offer oceanfront views, world-class beaches and resort spas all in a guiet, relaxing and high-end environment. This is a necessary stop for luxury shoppers as its shops and mall rival the world's most ultraluxury shopping centers.

**SUNNY ISLES BEACH** The atmosphere in Sunny Isles Beach is casual. The funky 1950's motels and small beachfront hotels are giving way to luxury apartment towers and hotels. However, little has changed on the Newport Fishing Pier, where you can drop a line and fish from shore. For real deepsea fishing, head to the charter boats docked on the Intracoastal Waterway at Haulover Beach Park. Across the way, a one-mile stretch of white sand and open ocean surf invites sunbathing and swimming. Oleta River State Park is a popular destination for kayaking and biking.

There are no WCHR group charter tours offered, but if you would like to arrange individual tours, you are encouraged to do so through the hotel concierge desk. PHONE 1-305-372-4708 EMAIL concierge.icmiami@ihg.com

For more information on Greater Miami and all it has to offer, go to: http://www.miamiandbeaches.com/places-to-see







GETTING AROUND DOWNTOWN WITH THE METROMOVER Everybody rides free on Metromover! This 4.4-mile electrically-powered, fully automated monorail people mover system connects with Metrorail at Government Center and Brickell stations and with Metrobus at various locations throughout downtown. Major destinations of the Metromover system include the American Airlines Arena, Bayside Market Place, Miami-Dade College and the Miami-Dade County School Board. The stop nearest the InterContinental Hotel Miami is Bayfront Park.

For more information go to: http://www.miamidade.gov/transit/metromover.asp.









SOME TOP THINGS TO DO AND SEE IN GREATER MIAMI



BASK ON THE MANY BEACHES The beach is the place to be, whether you want to swim, sunbathe, socialize or just soak up the local vibe.

BAY OR OCEAN CRUISE From yachts to catamarans to sail boats, there are many cruises available.

BAYFRONT PARK & BAYSIDE MARKETPLACE Bayfront Park leads into Bayside Marketplace, an entertainment, shopping and dining area for you to enjoy only steps away from the Hotel Intercontinental Miami.

EVERGLADES BOAT TOUR See the alligators in their natural habitat.

DEEP SEA FISHING Various fishing charters are available.

GOLF MIAMI BEACH Miami Golf Club and Crandon Golf at Key Biscayne are but a few of the many courses.

TOP NOTCH WORLD DINING Miami is home to master chefs, five-star restaurants and the freshest ingredients.

NIGHTLIFE AND NIGHTCLUBS Mary Brickell Village in downtown and South Beach are hot night spots. Some of the best known clubs are Mansion, Mango's Tropical Café, Dinner & Show, and Bongo's Cuban Café, owned by singer Gloria Estefan.

WORLD CLASS SHOPPING Everything from malls to luxury stores to concept shops, check out Lincoln Road, Bal Harbour and Miami Design District.

VIZCAYA MUSEUM & GARDENS This historical 50-acre Vizcaya estate offers a glimpse at life in turn-ofthe-century South Florida.

200 MIAMI The Miami-Dade Zoological Park and Gardens, branded and commonly known as Zoo Miami, is the largest and oldest zoological garden in Florida, and the only tropical zoo in the United States.

JUNGLE ISLAND Jungle Island is a unique interactive zoological park.

MONKEY JUNGLE A 30-acre wildlife park established in 1933 for the exhibition and study of endangered monkeys in semi-natural habitats.



# **Commemorative Messages**

### **Highest Level Corporate Supporters**

Rogaine

Johnson & Johnson Consumer Inc, the makers of Women's Rogaine® are proud to be the Platinum Sponsor for the 9th World Congress for Hair Research, and welcome all to Miami for this impressive gathering of hair researchers. We are excited to partner with the North American Hair Research Society to support this wonderful hair research meeting. Johnson & Johnson is dedicated to supporting global research in the area of hair loss and continues to support the field of hair loss research as well as patients through their hair loss journey. Further, we are proud to announce this year's launch in the United States of the first ever, once a day foam for female pattern hair loss. Women's Rogaine® works beneath the surface to reactivate follicles and help regrow hair. Johnson & Johnson is committed to continuing research in hair sciences to create innovative solutions for our patients'. We welcome you to attend our Symposium entitled: Quality of Life Considerations and Treatment Opportunities in Female Pattern Hair Loss on Friday from 7:30-9 in the Trianon Room, scientific posters as well as our booth on the exhibit floor for product information. Johnson & Johnson hopes that you have a wonderful and educational World Congress!



As a Gold Sponsor, P&G is delighted to welcome all Congress Delegates to Miami for the 9th World Congress for

Hair Research and to be supporting this important and exciting event. It promises to be an intensive week of seminars and symposia bringing together new insights and different perspectives and dimensions in the latest hair research. We look forward to the chance to meet together as a global hair research community and with you all as the world's leading experts in clinical and scientific research in hair. At P&G we recognise the important role that the appearance of the hair and a healthy scalp plays for men and women around the world. The need for everyday hair care solutions developed through an advanced understanding of hair and scalp science and proven to deliver results effectively and efficiently is relevant more than ever. Our Pantene and Head and Shoulders Scientists and Dermatology experts look forward to sharing with you some of our latest research via our sponsored symposium, "New Insights and Cosmetic Approaches for Healthy Hair and Scalp," on Thursday 19th.

We also cordially invite you to join us at our Exhibition Booth to learn more about

the science behind our haircare brands – including Pantene, Head and Shoulders, Wella - and our leading skincare brand Olay. Please join us for the opportunity to experience our brands and products for yourself.

On behalf of P&G, we would like to recognise and thank the Congress Organisers and Scientific Planning Committee for all their hard work in putting together such a stimulating program. Thanks are due for the leadership of the North American Hair Research Society and their partners across the globe in Australasia; Europe; India; Japan and Korea in creating an international event that reflects the global nature of the Hair Research Community.

# samumed

Samumed, LLC is a pharmaceutical platform company based in San Diego that has made groundbreaking advances in the biology of tissue regeneration. Samumed is privately funded and was founded in 2007 with headquarters in San Diego, CA. We are proud to be a SILVER sponsor of the 9th World Congress for Hair Research. We want to take this opportunity to recognize and congratulate all of the physician researchers, surgeons and talented scientists from around the world for their dedication and contributions to develop new and effective treatments for hair loss. We are grateful for the opportunity to present our initial findings on our new small molecule in development for androgenetic alopecia, SM04554. We at Samumed are committed to partnering with the scientific community to utilize our knowledge to further hair loss research. We currently have five programs in clinical stage across three sets of separate disease areas: alopecia/anti-aging, musculoskeletal and oncology/fibrosis. All of these programs target conditions that impact the health and quality of life of millions of people worldwide. For more information please visit www.samumed.com.

## **Corporate Supporters**

non-surgical hair restoration and hair loss	In the vein of our key words, fashion, style and
prevention services.	expertise, we continue to renew the value of wigs
Our goal is to provide wigs and hair	as well as hair growth to all generations in our
transplantation services for all walks of life	mission to become a universally acclaimed brand.
We congratulate the organizers and faculty	imaging solutions and analytical systems
on presenting this important event and	developed by Canfield play a critical role in
thank them for giving us the opportunity to	supporting hair researchers around the world,
participate. Hair research was the foundation	and we would be pleased to offer our expertise
of Canfield in the early years, and continues to	in your future projects. We are looking forward
be a key component of our portfolio. Today,	to meeting with you again in 2017 in Kyoto.
interact, and meet old and new colleagues alike.	shares the concerns of hair loss regardless of
Our thank you to the scientific committee for	the type or cause. We are proud to support the
all of the effort in planning and many hours of	WCHR2015 and appreciate the opportunity to
hard work to put together this rich program.	attend and share our passion to advocate for
CARF is a small but mighty organization that	our patients and research with you.
education & scientific research. We dedicate	of men and women that's why our aim is to
ourselves to give support to the research	be part of making people more confident
and development activities in universities	about themselves. Therefore, it is a good
of Turkey by encouraging the doctors for	opportunity for us to meet our colleagues
doing the scientific research with the help of	and see all the innovations in the hair field. It
workshops and conferences. We developed	is such an important event for us to give our
our FUE punches and forceps according	support. We invite you to visit our booth so
to the comments and researches from the	that you may obtain more details about our
doctors. Hair means self confidence to most	hair transplant instruments.
of hair loss and thinning hair. We presently	be a Bronze sponsor, and we invite meeting
have 7 FDA 510k clearances, 14 medical device	participants to visit the HairMax booth, where
licenses world-wide, and 4 peer-reviewed	we will be providing information on our new
medical journal articles, authored by some of	and exciting, enhanced hands-free HairMax

which are up-to-date with the times across a

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Aderans's selection of globally available products includes the men's line, ADERANS,

## IMAGING EXCELLENCE FROM **O**CANFIELD

Canfield Scientific, Inc. is proud to sponsor the 9th World Congress for Hair Research.



**Cicatricial Alopecia Research** Foundation (CARF) extends its warmest congratulations to the WCHR2015 organizers for bringing us together to learn,



Congratulations to the organizers of the 9th World Congress for Hair Research. It is an honour to be part of this prestigious conference. At ERTIP MEDICAL, we believe in

HAIRMA The science of hair growth

HairMax is the category creator of Phototherapy in Hair Growth, Hair Care and Hair Science, with the innovative range of medical laser devices we offer. The FDA Cleared HairMax laser devices have redefined the treatment

of hair loss and thinning hair. We presently have 7 FDA 510k clearances, 14 medical device licenses world-wide, and 4 peer-reviewed medical journal articles, authored by some of the leading authorities in diseases of the hair. We have a comprehensive research pipeline to quantify the effects of our laser devices on hair growth speed, and density. We are pleased to

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and exciting, enhanced hands-free HairMax LaserBand. This new laser device requires treatments of only 90 seconds, three times a week, which is faster than any other device of its kind available today.



Congratulations to the organizers of the 9th World Congress for Hair Research (WCHR2015).

Your diligent efforts have attracted the foremost researchers in the field to create an outstanding consortium of ideas and discoveries. The International Society of Hair Restoration Surgery

(ISHRS), the largest international medical organization of hair restoration surgeons in the world, would also like to express sincere appreciation to the faculty of the WCHR2015. Because of the hard work and dedication of research faculty, we are able to learn the latest scientific information shedding light on our understanding of the mechanisms of hair growth and hair loss. The ISHRS supports research which helps to promote clinical treatment for patients around the world who suffer from various types of hair loss. The ISHRS is grateful for the opportunity to participate as a sponsor of the WCHR2015 and to be a collaborative partner in the prestigious hair research community. Kuniyoshi Yagyu, MD, FISHRS President, ISHRS



Kerastem would like to congratulate the organizers and faculty of the WCHR2015. As leaders in the area of regenerative hair therapies, we are grateful for the opportunity to contribute and be part of the prestigious hair research community.

## Corporate Supporters (continued)



Congratulations to Pr. Wilma Bergfeld and all members of WCHR2015 organizing committee. It is an outstanding program and our support to WCHR is consistent with our strategy. L'Oréal Research and Innovation is fully committed in scientific works to better understand hair physiology from people all around the world.



The National Alopecia Areata Foundation (NAAF) is honored to participate in the

9th World Congress for Hair Research and congratulates the Congress Co-Chairs, Planning

Committee, and North American Hair Research Society for organizing a truly international gathering of the greatest scientists and practitioners in the field of hair and scalp diseases. NAAF supports research to find a cure or acceptable treatment for alopecia areata and

the advancement of knowledge in hair growth, hair and scalp disease, and clinical care. We are very grateful for the opportunity to be part of this prestigious hair research community and contribute to the advancement of research in alopecia areata and related diseases.

# **JHIJEIDO**

Shiseido is proud and excited to be a part of WCHR 2015. We would like to extend our sincere thanks and congratulations to the Chairs of this year's congress. Over the 140 years since our founding in Japan, Shiseido has become a global corporation with strong R&D capabilities and dependable safety and quality assurance systems that deliver top-quality products. We constantly strive to provide a diverse range of products to the hair-care market, including Shiseido Professional, our brand catering exclusively to hair salons

addition, as our next innovation challenge, we are preparing to expand our cell-based therapy for hair loss across Asia. This revolutionary technology uses autologous hair cells to treat hair thinning and hair loss in both men and women.

(www.pro.shiseido.com/corporate/). In



Theradome is delighted to be both sponsoring and participating at the World Congress for Hair Research 2015. Now in its 9th year, we would like to congratulate and thank the organizers for arranging what looks set to be yet another truly inspirational conference, and are excited about coming together with our colleagues in the industry to work towards the continued advances in research on hair growth and replenishment.

At Theradome, our commitment is to enable those experiencing hair loss regain their hair and their confidence by enjoying the benefits of advanced technology, previously available only in clinics, in the comfort of their own home. The Theradome™ LH80 PRO helmet has revolutionized the market, using powerful laser therapy to stimulate new hair growth through a handy device that is more convenient and far more affordable. With twice-weekly sessions of just 20 minutes each, patients are seeing real results and reversing the hair loss process for good.

We are excited to be taking part in what promises to be a rewarding and insightful event and are honored and proud to be a member of the hair research community.



With some of the most well-known hair care brands worldwide, Unilever is committed to delivering products that help people look good, feel good and get more out of life. Our vision is to grow our business while reducing our environmental footprint and increasing our social impact. We are proud to participate in the WCHR2015.

# **Viviscal**<sup>®</sup>

On behalf of Lifes2good and Viviscal, we are honored to be a part of such a progressive and elite group of individuals. Many thanks to the Congress Planning Committee, the NAHRS team and active members of the community for putting on such a professional meeting. The ethical responsibility of the community to empower and improve the physical and emotional well-being of others is often overlooked in the great work that you do.

Our passion for the industry and investment in scientific research has enabled us to be a part of this community and we are looking forward to working with many of you over the coming years as nutraceuticals and drug free treatments continue to evolve.



The World Trichology Society (WTS) is delighted to sponsor this premier event in the field of hair research and would

like to congratulate all the organizers for putting together such an incredibly informative Congress. It is also with great pleasure that the WTS welcomes all the certified trichologists, student trichologists, researchers, dermatologists, and physicians from other disciplines to the United States.

The World Trichology Society is a North Americanbased organization dedicated to educating, supporting and promoting trichologists worldwide. With this goal in mind, in addition to our Associate and Certification courses, we also offer a Fellow course for advanced trichological knowledge and have liaised with an accredited online University to offer a Doctor of Health Science (DHS) course with a specialization in trichology.

Along with the recent WTS conference, I am confident that this Congress will help continue to develop the knowledge of our members and students.

David H. Kingsley, PhD President of the World Trichology Society

# A comprehensive and practical overview

#### Current Problems in Dermatology Editors: P. Itin, G.B.E. Jemec Vol. 47

# Alopecias

Practical Evaluation and Management

<sup>Editors</sup> D. Ioannides A. Tosti



# Alopecias

# **Practical Evaluation and Management**

<sup>Editors</sup> Dimitrios Ioannides Antonella Tosti

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Hair is subject to either intrinsic (i.e. physiological) aging or extrinsic (i.e. premature) aging that can be attributed to external factors. The intrinsic factors can be associated with genetic mechanisms and are subject to individual variations, whereas external factors include ultraviolet radiation, air pollution, smoking, and possibly nutrition.

Leading experts have contributed to this book which offers a practical approach to the evaluation and management of various forms of alopecia, including their pathogenesis, the diagnostic procedures involved, medical treatments, and nutritional issues. A completely new surgical technique for hair transplantation that leaves behind sufficient follicle unit tissue to regenerate hairs is also described.

Being comprehensive and easy-to-read, this book should be very useful for dermatologists who wish to diagnose and treat their patients with hair problems more effectively.

### Current Problems in Dermatology, Vol. 47

Alopecias – Practical Evaluation and Management Editors: Ioannides D. (Thessaloniki); Tosti A. (Miami, Fla.) VIII + 164 p., 85 fig., 80 in color, 13 tab., 2015 CHF 189.00 / EUR 177.00 / USD 222.00 (hard cover) Prices subject to change, VAT not included EUR price for eurozone countries, USD price for USA and Latin America only ISBN 978–3–318–02774–7

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an Advancing Innovation in Dermatology conference

## THE 3<sup>RD</sup> ANNUAL Dermatology Summit

Sunday, January 10, 2016 | 10:00AM – 7:00PM | The Palace Hotel - San Francisco, CA The mission of the Dermatology Summit is to build a community of people who are excited about innovation in dermatology. This conference uniquely brings together members of the financial community and business leaders from established and emerging companies in the dermatology space to help foster investment and partnerships in the next generation of dermatology companies and products.

## THE 2<sup>ND</sup> ANNUAL Dermatology Entrepreneurship Conference

**Thursday, March 3, 2016 | 9:30AM – 7:00PM | Ronald Reagan Building - Washington, DC** The mission of the Dermatology Entrepreneurship Conference is to foster the early development of innovative products and services for substantially improving dermatologic health. Its goal is to inspire and educate doctors, scientists, and others in the skills and steps necessary to bring forward their ideas and inventions that can be commercialized. It simultaneously functions as a networking event for cultivating an entrepreneurial ecosystem that includes physicians, researchers, inventors, entrepreneurs, investors, strategic corporate partners, service providers, regulators, and patient and consumer advocates.

For more information or to register, please visit 2016.dermsummit.com.

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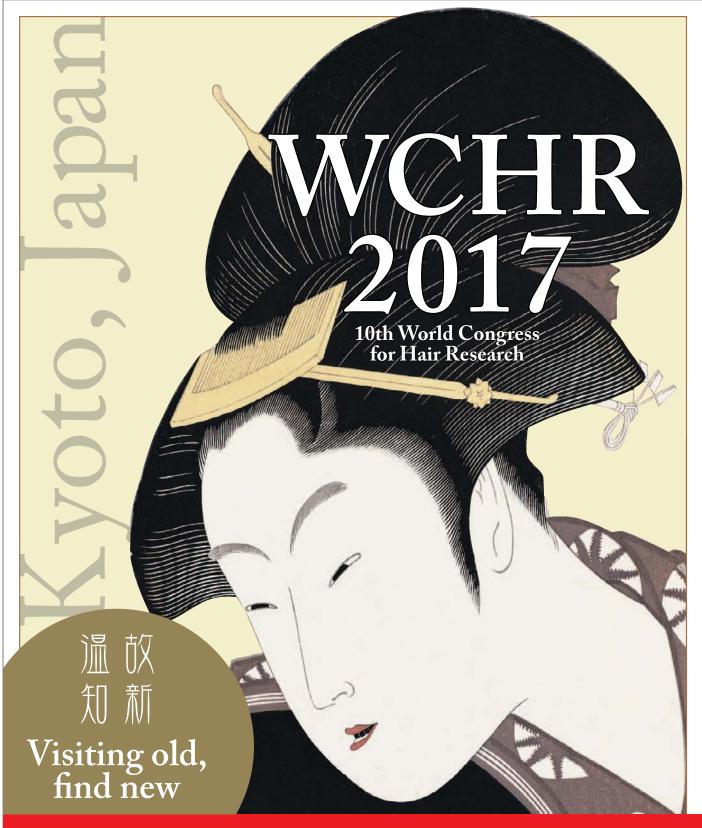


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Honorary-President Hideoki OGAWA co-Presidents Ryoji TSUBOI (SHSR), Satoshi ITAMI (JSCHR)

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

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