# PROGRAM OUTLINE

As of 3/21/18

## Monday/May 14, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00PM-8:00PM</td>
<td>Registration</td>
</tr>
<tr>
<td>1:00PM-8:00PM</td>
<td>Speaker Ready Room</td>
</tr>
<tr>
<td>2:00PM-8:30PM</td>
<td>Exhibit Viewing</td>
</tr>
<tr>
<td>2:00PM-2:30PM</td>
<td>Poster Hang</td>
</tr>
<tr>
<td>2:30PM-8:30PM</td>
<td>Poster Viewing</td>
</tr>
</tbody>
</table>

### Opening Ceremony
Chairs: Wilma Bergfeld, Angela Christiano, Maria Hordinsky, Antonella Tosti

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00-3:15</td>
<td>Welcome and Introduction of AHRS</td>
</tr>
<tr>
<td>Maria Hordinsky, Wilma Bergfeld</td>
<td></td>
</tr>
<tr>
<td>3:15-3:40</td>
<td>Keynote: Self-organization process in newborn skin organoid formation inspires strategy to restore hair regeneration of adult cells</td>
</tr>
<tr>
<td>Cheng Ming Chuong</td>
<td></td>
</tr>
<tr>
<td>3:45-3:55</td>
<td>Highlights of the Meeting</td>
</tr>
<tr>
<td>Angela Christiano</td>
<td></td>
</tr>
</tbody>
</table>

### Session 1: Androgenetic Alopecia
Chairs: Jerry Shapiro, Ricardo Romiti

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00-4:15</td>
<td>Basic: Androgen Receptor Signaling</td>
</tr>
<tr>
<td>María Eugenia Balañá</td>
<td></td>
</tr>
<tr>
<td>4:10-4:20</td>
<td>Translational: Topical Anti-Androgen Therapy</td>
</tr>
<tr>
<td>Maria Hordinsky/ Cassiopea</td>
<td></td>
</tr>
<tr>
<td>4:20-4:32</td>
<td>Oral Abstract #50: Hair Management of Transgender and Gender Nonconforming Patients</td>
</tr>
<tr>
<td>Catherine C. Motosko</td>
<td></td>
</tr>
</tbody>
</table>
4:35-4:45  8+2  Translational: Hair Follicle Neogenesis
Kevin McElwee/ RepliCel

4:45-4:57  10+2  Oral Abstract #90: Hair Follicle Stem Cell Stimulation By Naturally Secreted Growth Factors Induces New Hair Growth In Men And Women
Gail Naughton

5:00PM-5:30PM  - - - - Networking Break, with Coffee - - - -

5:30PM-6:40PM  Session 2: Androgenetic Alopecia and PRP
Chairs: George Cotsarelis, Ricardo Romiti

5:30-5:45  12+3  Clinical: PRP clinical trials in AGA
Jerry Shapiro

5:45-5:55  10  Oral Abstract #9: Platelet Rich Plasma for Androgenetic Alopecia
Shilpi Khetarpal

5:55-6:05  10  Oral Abstract #89: Comparison Of Platelet Growth Factor Expression With Cancer Cells And Its Potential Implications In Platelet Rich Plasma Therapy
Javed Mohammed

6:05-6:15  10  Oral Abstract #48: The Role Of Platelet-rich Plasma In Alopecias As Quantitatively Measured By Optical Coherence Tomography: Prospective Pilot Study At A Single Center
Natasha Mesinkovska

Kevin McElwee

6:25-6:40  15  Panel Discussion: PRP: Hope or Hype?
Moderator: George Cotsarelis

6:40PM-7:00PM  Come See My Poster – Fifteen 1-minute presentations
Chairs: Angela Christiano, Daniel Asz-Sigall

6:40-6:45  5  Introduction
Angela Christiano

6:45-6:46  1  Abstract #53: Genetic Biosignatures Driving Cranio-facial Hair Follicle Patterning And Androgenetic Alopecia
Yanne Doucet

6:46-6:47  1  Abstract #31: Markers Of Ageing In The Hair Follicle Environment- A Glimpse Into The Human Scalp
Rachael Sutherland-Sedman

6:47-6:48  1  Abstract #67: Alopecia Areata In Infants: A Case Series
Paula Boggio
6:48-6:49 1 Abstract #74: Successful Regrowth Of Hair In Alopecia Areata Using Platelet-rich Plasma As Quantitatively Measured By Optical Coherence Tomography
Margit LW Juhasz

6:49-6:50 1 Abstract #63: Histopathological Findings Of Persistent Inflammatory Scalp, A Prelude To Primary Cicatricial Alopecia?
Jorge Larrondo

6:50-6:51 1 Abstract #28: Fibrosing Alopecia In A Pattern Distribution (fapd) In 16 African Descent And Hispanic Female Patients: A Challenge Diagnosis
Maria Fernanda R G Dias

6:51-6:52 1 Abstract #44: Vitamin D Status In Scarring And Non-scarring Alopecia
Ruzica Z. Conic

6:52-6:53 1 Abstract #100: Association Of Frontal Fibrosing Alopecia And Lichen Simplex Chronicus: Trichoscopy And Histopathological Features
Carolina O. Costa Fechine

6:53-6:54 1 Abstract #85: The Use Of Platelet Rich Plasma To Treat Radiation-induced Scarring Alopecia: A Case Report
Chloe N. Ekelem

6:54-6:55 1 Abstract #58: Frontal Fibrosing Alopecia Associated With Lichen Planus Pigmentosus, Not Only In Dark Phototypes
Maria E. Cappetta

6:55-6:56 1 Abstract #47: Effectiveness Of Laser Technology For Non-scarring And Scarring Alopecia
Andrea Tovar-Garza

6:56-6:57 1 Abstract #73: Multiphoton Microscopy For Diagnostic Indices In Alopecia Areata
Jessica Lin

6:57-6:58 1 Abstract #70: Optical Coherent Tomography In The Diagnosis Of Scalp Disorders
Maria Abril Martinez Velasco

6:58-6:59 1 Abstract #16: Anagen Hair Follicle Repair: A Regenerative Scheme Utilizing Ectopic Stem Cells To Resume Anagen After Follicular Injury
Sung-Jan Lin

6:59-7:00 1 Abstract #80: A Method To Produce A Hair Follicle Like Organoid Using Matrix Cells
Khalid Bakkar

7:00PM-8:30PM Poster Session with Networking and Wine & Cheese
### Tuesday/May 15, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00AM-5:30PM</td>
<td>Speaker Ready Room</td>
</tr>
<tr>
<td>7:30AM-5:30PM</td>
<td>Registration</td>
</tr>
<tr>
<td>7:30AM-7:00PM</td>
<td>Exhibit Viewing</td>
</tr>
<tr>
<td>7:30AM-7:00PM</td>
<td>Poster Viewing</td>
</tr>
<tr>
<td>7:30AM-8:00AM</td>
<td>Coffee and Visit Exhibits &amp; Posters</td>
</tr>
<tr>
<td>8:00AM-10:15AM</td>
<td><strong>Session 3: Cicatricial and Permanent Alopecias</strong>&lt;br&gt;Chairs: Maryanne Senna, John Sundberg</td>
</tr>
<tr>
<td>8:00-8:15</td>
<td>12+3 Basic Speaker: Sebaceous gland transcriptome for lichen planopilaris&lt;br&gt;Raja Sivamani</td>
</tr>
<tr>
<td>8:15-8:30</td>
<td>12+3 Preclinical: Animal models of scarring alopecias&lt;br&gt;John P. Sundberg</td>
</tr>
<tr>
<td>8:30-8:45</td>
<td>12+3 Hair follicle epithelial stem cells undergo EMT in LPP, which can be antagonized by PPARg agonists&lt;br&gt;Ralf Paus</td>
</tr>
<tr>
<td>8:45-8:57</td>
<td>10+2 Oral Abstract #8: Histopathology Of Facial Papules In Frontal Fibrosing Alopecia And Therapeutic Response To Oral Isotretinoin&lt;br&gt;Rodrigo Pirmez</td>
</tr>
<tr>
<td>9:00-9:15</td>
<td>12+3 New Techniques Speaker: Methods of assessment of cicatricial alopecia&lt;br&gt;Elise Olsen</td>
</tr>
<tr>
<td>9:15-9:30</td>
<td>12+3 Clinical: Central centrifugal cicatricial alopecia clinical presentation and treatment approaches&lt;br&gt;Amy McMichael</td>
</tr>
<tr>
<td>9:30-9:45</td>
<td>12+3 Clinical: Prevalence of Centrifugal Cicatricial Alopecia in a Cohort of African American Women: Analysis of CCCA in the Black Women’s Health Study&lt;br&gt;Yolanda Lenzy</td>
</tr>
<tr>
<td>9:45-9:57</td>
<td>10+2 Oral Abstract #57: Tofacitinib Shows Efficacy In Treatment Of Lichen Planopilaris&lt;br&gt;Brigitte N. Sallee</td>
</tr>
<tr>
<td>10:00-10:15</td>
<td>15 Discussion on managing difficult cases of scarring alopecia&lt;br&gt;Maryanne Senna, Wilma Bergfeld</td>
</tr>
<tr>
<td>10:15AM-10:45AM</td>
<td>- - - - Networking Break, with Coffee - - - -</td>
</tr>
</tbody>
</table>
10:45AM-12:15PM  Session 4: Alopecia Areata
Chairs:  Elise Olsen, Julian Mackay-Wiggan

10:45-11:00  Basic/Preclinical: Genetics, Immunology, Therapeutic Targets
Angela Christiano

11:00-11:15  Clinical: Experience with JAK Inhibitors
Wilma Bergfeld

11:15-11:25  Translational: Clinical development of Topical/Oral JAK inhibitors
Ben Bronstein/ Aclaris

11:25-11:35  Translational: Deuterated Ruxolitinib
James Cassella/ Concert

11:35-11:45  Translational: Development of JAK inhibitors for Alopecia Areata
Samuel H. Zwillich/ Pfizer

11:45-11:57  Oral Abstract #54: Role Of The Autophagy Protein, Syntaxin 17, In Melanogenesis And Alopecia Areata
Stephanie O. Erjavec

12:00-12:10  Translational: Peptide Inhibitors of gamma-chain signaling
Nazli Azimi/ Bioniz

12:15PM-1:30PM  Session 5: Photobiomodulation, Thermal and Light Therapies
Chairs: Maria Hordinsky, Neil Sadick

1:30-1:45  Photobiomodulation for treatment of hair loss: mechanisms, wavelengths, and future directions
Yakir Levin

1:45-2:00  Light devices with narrowband UVB
Maryanne Senna

2:00-2:15  Epidemiological/clinical
Ronda Farah

2:15-2:30  Pre-clinical: mouse models/hair max laser combs/devices
Jessica Cervantes

2:30-2:42  Oral Abstract # 103: A Clinical Comparison Of FDA-cleared Photobiomodulation Devices For The Treatment Of Alopecia
Angela Wipf
Natasha Mesinkovska

3:00-3:15  12+3 Combination Therapy & Devices for Treatment of Hair loss: Microneedling, PRP and Low light Laser
Neil Sadick

3:15-3:30  12+3 Chemotherapy induced alopecia: prevention and permanence
Mario Lacouture

3:30PM-4:00PM  Networking Break, with Coffee  - - - - -

4:00PM-5:45PM  Session 6: New Therapeutics, Diagnostic Methods, and Novel Ingredients
Chairs: Valerie Callendar, Amy McMichael

4:00-4:10  10 Dermoscopy for scarring alopecias
Isabella Doche

4:10-4:20  10 Dermoscopy for non-scarring alopecias
Rodrigo Pirmez

4:20-4:30  10 Hair Cosmetics/Ingredients
Maria Fernanda Gavazzoni

4:30-4:40  8+2 Microneedle on humanized mice model
Jeff Wu/ Johnson & Johnson

4:40-4:52  10+2 Oral Abstract #24: Mechanisms For KAtp Channel In Cultured Human Dermal Papilla Cells Associated With Minoxidil-induced Hair Growth
Hiroya Takada

4:55-5:10  12+3 Hair Health – Lipid Pathways and Hair Biology
Apostolos Pappas/ Nestle Skin Health

5:10-5:22  10+2 Oral Abstract #27: Transplantation Of Cell Enriched Adipose Tissue For Follicular Niche Stimulation In Early Androgenetic Alopecia
Gorana Kuka Epstein

5:25-5:45  15+5 Hair Follicle Microbiome
Heidi Kong

5:45PM-7:00PM  Poster Session and Networking

7:00PM-7:30PM  Poster Dismantle
Wednesday/May 16, 2018

7:30AM-12:30PM  Registration
7:30AM-12:30PM  Speaker Ready Room
7:30AM-8:00AM   Coffee

8:00AM-9:45AM  Session 7: Stem Cells, Hair Follicle Neogenesis & Regenerative Medicine
Chairs: Maksim Plikus, Valerie Horsley

8:00-8:15   12+3  Basic: Hair Follicle Stem Cells
George Cotsarelis

8:15-8:30   12+3  Basic: Regulation of Dermal Papillae
Michael Rendl

8:30-8:45   12+3  Basic: Hair Germ Stem Cell Kinetics
Pantelis Rompolas

8:45-9:00  12+3  New Concepts: Noncoding double-stranded RNA and hair regeneration
Luis Garza

8:45-9:15  12+3  New Concepts: Pigmentation and hair regeneration
Mayumi Ito

9:15-9:30  12+3  New Concepts: Cross Talk between Dermal Sheath and Dermal Papilla
Jeff Biernaskie

9:30-9:42  10+2  Oral Abstract #26: Skin Equivalent Formation With Hair Follicular Structure
Seung Hwan Paik

9:45AM-10:15AM  - - - - - Networking Break, with Coffee - - - - -

10:15AM-11:55AM  Session 8: Morphogenesis, Hair Growth and Hair Cycling
Chairs: Luis Garza, Michael Rendl

10:15-10:30  12+3  Hair Patterning and telogen kinetics
Maksim Plikus

10:30-10:45  12+3  Metabolic regulation of hair follicle growth
William Lowry

10:45-10:57  10+2  Oral Abstract #51: IL-1 Mediated Activation Of γδT Cells Promotes Tissue Regeneration In A Cutaneous Wound
Rupali Gund

11:00-11:15  12+3  Adipocytes and hair cycling
Valerie Horsley
11:15-11:27  10+2  **Oral Abstract #93: Oncostatin M Produced By Trem2+ Macrophages Maintains Quiescence Of Hair Follicle Stem Cells Via Jak-stat5 Signaling**  
Etienne Wang

11:30-11:45  12+3  **Basic: Wnt Signaling, Hair Cycling, and Wnt as a therapeutic target for AGA**  
Sarah Millar

11:45-11:55  8+2  **Translational development of a Wnt pathway modulator (SM04554) as a potential treatment for androgenetic alopecia**  
John Seykora/ Samumed

11:55AM-12:00PM  **Closing Remarks**

12:00PM-12:30PM  **AHRS Annual Business Meeting**  
Chairs: Maria Hordinsky, Wilma Bergfeld