



**World Congress for Hair Research 2022**  
**18 - 21 November 2022**  
**Melbourne Convention and Exhibition Centre**  
**Melbourne, Australia**



| Time (AEST) | Day 1<br>Friday, 18 November 2022                      |
|-------------|--------------------------------------------------------|
| 8:00        | Registration Open                                      |
| Room        | Goldsfields Theatre                                    |
| Session     | Pre-Congress Workshop                                  |
| 09:00       | Alopecia Areata workshop<br>Brett King                 |
| 09:30       | Alopecia Registry workshop<br>Dmitri Wall              |
| 10:00       | Female Pattern Hair Loss workshop<br>Pooja Sharma      |
| 10:30       | How to prescribe minoxidil workshop<br>Rodney Sinclair |
| Room        | Exhibition Hall                                        |
| 11:00       | Morning Tea                                            |
| Room        | Goldsfields Theatre                                    |
| Session     | Pre-Congress Workshop                                  |
| 11:30       | Hair Transplantation workshop<br>Mario Marzola         |
| 12:00       | Paediatric Hair Disorder workshop<br>To be confirmed   |
| 12:30       | Basic Hair Biology<br>George Cotsarelis                |
| 13:00       | Break                                                  |
| Room        | Goldsfields Theatre                                    |
| Session     | Pre-Congress Workshop                                  |
| 14:00       | Trichoscopy workshop<br>Maryanne Senna                 |

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| 14:30                                          | Cicatricial Alopecia workshop<br><b>Jerry Shapiro</b>                                                                                                                                                                                                                                                                                                                                                                           |
| 15:00                                          | Male Pattern Hair Loss workshop<br><b>Andrew Messenger</b>                                                                                                                                                                                                                                                                                                                                                                      |
| Room                                           | Exhibition Hall                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 15:30                                          | Afternoon Tea                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Room                                           | Goldsfields Theatre                                                                                                                                                                                                                                                                                                                                                                                                             |
| Session                                        | Congress Official Opening and Preseidential Presentation                                                                                                                                                                                                                                                                                                                                                                        |
| 16:00                                          | <p><b>Maria Hordinsky</b>, American Hair Research Society (AHRS)<br/> <b>Rodney Sinclair</b>, Australasian Wool &amp; Hair Research Society (AWHRS)<br/> <b>Claire Higgins</b>, European Hair Research Society (EHRS)<br/> <b>Chang-Hun Huh</b>, Korean Hair Research Society (KHRS)<br/> <b>Yuliya Ovcharenko</b>, Ukrainian Hair Research Society (UHRS)<br/> <b>Manabu Ohyama</b>, Japanese Hair Research Society (JHRS)</p> |
| Session                                        | Plenary Lecture                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 17:30                                          | Life, Sex, Songs, Scrat and the Sponge: Australia's Guinness Book of Evolutionary Records<br><b>Michael Archer</b> on behalf of the World Congress for Hair Research                                                                                                                                                                                                                                                            |
| Room                                           | Exhibition Hall                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 18:00                                          | <p><b>Welcome Reception</b></p> <p>Featuring Native Australia animals:<br/> Koala<br/> Kanagaroo<br/> Southern Hairy-nosed Wombat<br/> Alpine Dingo<br/> Australian Python<br/> Australian Lizard</p>                                                                                                                                                                                                                           |
|                                                | END OF DAY 1                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Program as of 8 November and subject to change |                                                                                                                                                                                                                                                                                                                                                                                                                                 |



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| Time (AEST) | Day 2<br>Saturday, 19 November 2022                                                                                                                                                                                                             |                                                                                                                                                                                    |                                                                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Room        | Eureka Room 1                                                                                                                                                                                                                                   |                                                                                                                                                                                    |                                                                                                                                       |
| 07:00       | Breakfast Sponsored Symposia: Yuyu Pharma<br>US and Europe Dutasteride Tablet Clinical Trial for Androgenic Alopecia (AGA) indication<br>Robert Yu (Chief Executive Officer, Yuyu Pharma)                                                       |                                                                                                                                                                                    |                                                                                                                                       |
| Room        | Goldsfields Theatre                                                                                                                                                                                                                             |                                                                                                                                                                                    |                                                                                                                                       |
| Session     | Plenary Lecture                                                                                                                                                                                                                                 |                                                                                                                                                                                    |                                                                                                                                       |
| 08:00       | 59: George Rogers Oration. Lymphocytic mediated alopecia as an expression of innate, autoimmune, regenerative and effete pathophysiological pathways<br>Steven Kossard - George Rogers Orator on behalf of the Australasian Wool & Hair Society |                                                                                                                                                                                    |                                                                                                                                       |
| 08:30       | Touch sensation in the hair follicle<br>Claire Higgins - Plenary Lecture on behalf of the European Hair Research Society                                                                                                                        |                                                                                                                                                                                    |                                                                                                                                       |
| Room        | Goldsfields Theatre                                                                                                                                                                                                                             | Eureka Room 1                                                                                                                                                                      | Eureka Room 2                                                                                                                         |
| Session     | Hair follicle immunology                                                                                                                                                                                                                        | MPHL and FPHL                                                                                                                                                                      | Trichology                                                                                                                            |
| Chairs      | Chair: Bark-Lynn Lew<br>Co-chairs: Kiarash Khosrotehrani, Marta Bertolini                                                                                                                                                                       | Chair: Yuliya Ovcharenko                                                                                                                                                           | Chair: Hugh Rushton<br>Co-chairs: David Salinger, Kay Fitzgerald                                                                      |
| 09:00       | Peripheral regulatory $\gamma\delta$ T cells are preventive in human ex vivo and therapeutic in human in vivo models<br>Amos Gilhar (EHRS)                                                                                                      | 213: ANDROGENETIC ALOPECIA: UPDATE ON TREATMENT<br>Yuliya Ovcharenko (UHRS)                                                                                                        | 123: Stopped in their tracks! Hair miniaturisation in pattern hair loss is not reversed by current treatments.<br>Hugh Rushton (EHRS) |
| 09:15       | The role of inflammasome in the pathogenesis of alopecia areata<br>Bark-Lynn Lew (KHRS)                                                                                                                                                         | 60: Psychological Aspects of Hair Disease<br>Ramon Grimalt (EHRS)                                                                                                                  | 42: VITAMIN D AND L-TYROSINE IN THE TREATMENT OF AUTOIMMUNE PROBLEMS<br>David Salinger (AWHRS)                                        |
| 09:30       | How to study human hair follicle immunology: principles and practical applications<br>Marta Bertolini                                                                                                                                           | The treatment for FPHL without drug<br>Rie Ueki (JHRS)                                                                                                                             | 187: FRONTAL FIBROSIS COMPARABLE PHOTOGRAPHY/MEASUREMENTS<br>Kay Fitzgerald (AWHRS)                                                   |
| 09:45       | 88: The dermal papilla as a driver of hair biology and response to therapy<br>Kiarash Khosrotehrani (AWHRS)                                                                                                                                     | 200: Sublingual Minoxidil for the Treatment of Pattern Hair Loss: a randomized, double-blind, placebo-controlled pilot study of efficacy and safety<br>Laita Bokhari               | 27: Psychotrichology: Psychiatric aspects of hair disorders<br>Mohammad Jafferany                                                     |
| 10:00       | 79: Metformin restored the enhanced stress hormone levels in senescence mouse model<br>Hongwei Guo, Huijun Lai                                                                                                                                  | 231: N,N-Dimethylglycine promotes proliferation and viability of human epidermal HaCaT keratinocytes in vitro and positively influences hair growth in vivo<br>Jörn Michael Völker | 178: New findings in androgenetic alopecia and female androgenetic alopecia are revealed by proteomics.<br>Keigo Sugimoto             |

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| 10:15   | 150: Biomarkers of Allergy and Th2 in Alopecia Areata<br><b>Xingqi Zhang</b>                                                                                                                                           | International FFA Registry<br><b>Douglas Canfield and Elise Olsen</b>                                                                                                                                                                                                                     | 229: Vitamin D status in patients with frontal fibrosing alopecia; a retrospective study<br><b>Alexis Arasu</b> |
| 10:30   | Morning Tea                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| Room    | Exhibition Hall                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| Session | Plenary Lecture                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| 11:00   | Why hair follicle immune privilege protection and restoration lies at the heart of managing alopecia areata and lymphocytic cicatricial alopecia<br><b>Ralf Paus</b> on behalf of the World Congress for Hair Research |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| 11:30   | The House That JAK Built: The JAK/STAT Pathway from Bench to Bedside<br><b>Andrew Wilks</b> on behalf of the World Congress for Hair Research                                                                          |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| 12:00   | Break                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| Room    | Eureka Room 3                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| 12:00   | Sponsored Symposia: Eli Lilly and Company<br>From Patient to Physician: Current Perspectives the Complexities of Alopecia Areata                                                                                       |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| Room    | Exhibition Hall                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| 12:30   | Poster Session                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                           |                                                                                                                 |
| Room    | Goldsfields Theatre                                                                                                                                                                                                    | Eureka Room 1                                                                                                                                                                                                                                                                             | Eureka Room 2                                                                                                   |
| Session | Morphogenesis, neogenesis and tissue engineering                                                                                                                                                                       | Alopecia Areata                                                                                                                                                                                                                                                                           | COVID-19 Discussion                                                                                             |
| Chairs  | Chair: Sung-Jan Lin<br>Co-chairs: Manabu Ohyama, Claire Higgins                                                                                                                                                        | Chair: Andrew Messenger<br>Co-chairs: Brett King                                                                                                                                                                                                                                          | Chair: Dmitri Wall<br>Co-chairs: Andy Goren, Natasha Mesinkova                                                  |
| 13:30   | Radiotherapy-induced alopecia: how to prevent it?<br><b>Sung-Jan Lin</b>                                                                                                                                               | <b>Brett King (AHRS)</b>                                                                                                                                                                                                                                                                  | Findings from the SECURE-Alopecia global registry<br><b>Dmitri Wall (AWHRS)</b>                                 |
| 13:45   | 61: Attempts to optimize the use of human tissue-derived or iPS cells for hair follicle regeneration<br><b>Manabu Ohyama (JHRS)</b>                                                                                    | Alopecia areata: what can we learn from primary care databases?<br><b>Andrew Messenger (AHRS)</b>                                                                                                                                                                                         | COVID-19, Androgens and Androgenetic Alopecia<br><b>Andy Goren (AHRS)</b>                                       |
| 14:00   | Computational approaches to identify regulators of the hair cycle<br><b>Claire Higgins (AHRS)</b>                                                                                                                      | 143: Tyrosine kinase 2 inhibition promotes hair growth, restores hair follicle immune privilege, and reduces perifollicular inflammation in lesional alopecia areata skin ex vivo and reverses the induction of human alopecia areata in a humanized mouse model<br><b>Thomas Rouille</b> | <b>Natasha Mesinkova (AHRS)</b>                                                                                 |
| 14:15   | 194: Mapping Of Cell Dynamics In Human Hair Follicle<br><b>Nicolas Tissot</b>                                                                                                                                          | 152: IgE can be Used as a Biomarker in Alopecia Areata for a Severe and Prolonged Subtype<br><b>Sin Tong Cheang</b>                                                                                                                                                                       | Current evidence of Androgens and COVID19<br><b>Carlos Wambier</b>                                              |

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| 14:30   | 165: Genetic variation in Semaphorin 6a regulates wound induced hair regeneration<br><b>Jack Galbraith</b>                                                                           | 212: Analyzing Global Models of Health Insurance Coverage of Hair Prostheses for Alopecia Areata<br><b>Rhea Malik</b>                                       | 90: A retrospective study of hair loss patients after being infected with COVID-19 and the COVID-19 vaccination<br><b>Sang Seok Kim</b>        |
| 14:45   | 67: Novel regulators of hair follicle cycling<br><b>Jing Jing</b>                                                                                                                    | 208: Real-world treatment patterns, clinical outcomes and safety of baricitinib in adult alopecia areata patients<br><b>Leila Asfour</b>                    | 45: Trichoscopy and istopathology of telogen effluvium due to Covid-19 infection<br><b>Michela Starace</b>                                     |
| Room    | Exhibition Hall                                                                                                                                                                      |                                                                                                                                                             |                                                                                                                                                |
| 15:00   | Afternoon Tea                                                                                                                                                                        |                                                                                                                                                             |                                                                                                                                                |
| Room    | Goldsfields Theatre                                                                                                                                                                  | Eureka Room 1                                                                                                                                               | Eureka Room 2                                                                                                                                  |
| Session | Gene Discovery and Gene Therapy                                                                                                                                                      | Cicatricial Alopecia                                                                                                                                        | Transgender Hair and Health                                                                                                                    |
| Chairs  | Chair: Yutaka Shminoura<br>Co-chairs: Stephen Harrap                                                                                                                                 | Chair: Steven Kossard                                                                                                                                       | Chair: Ada Cheung<br>Co-chairs: Ahmed Kazmi, Leila Asfour                                                                                      |
| 15:30   | The role of hair and hair follicles in genetic diagnosis<br><b>Ingrid Winship</b>                                                                                                    | 58: Cicatricial alopecia and integrative conceptual dermatology<br><b>Steven Kossard (AWHRS)</b>                                                            | <b>Ada Cheung</b>                                                                                                                              |
| 15:45   | 171: Analysis of causative genes for autosomal recessive woolly hair<br><b>Yutaka Shimonura (JHRS)</b>                                                                               | 76: Folliculitis Decalvans: Lessons from a Tertiary Center.<br><b>Lyakhovitsky Anna</b>                                                                     | Prescribing for pattern hair loss in patients on gender affirming hormones- some considerations<br><b>Ahmed Kazimi</b>                         |
| 16:00   | 149: Establishing a human anagen hair follicle transcriptome atlas based on laser capture microdissection and RNAseq data<br><b>Markus Fehrholz</b>                                  | 44: The variant forms of cicatricial alopecia<br><b>Michela Starace</b>                                                                                     | <b>Leila Asfour</b>                                                                                                                            |
| 16:15   | 73: Comprehensive analysis of competitive endogenous RNA networks in hair follicle cycle stages<br><b>Yuxin Ding</b>                                                                 | 113: Histochemical mucin staining in cases of scarring alopecias: a practical adjunct to highlight genuine perifollicular fibrosis<br><b>Connor Zuraski</b> | 183: Androgenic alopecia in trans men: a review of therapies<br><b>Charlotte Krones</b>                                                        |
| 16:30   | 153: The Alopecia Areata Severity and Morbidity Index (ASAMI) Study: Results of an international expert opinion on determinants of alopecia areata severity<br><b>Anthony Moussa</b> | 40: Insights into the Genetic Basis of Central Centrifugal Cicatricial Alopecia (CCCA)<br><b>Susan C Taylor</b>                                             | 223: The effect of masculinising and feminizing hormonal therapy in patterned hair loss among transgender patients<br><b>Monisha Madhumita</b> |
| 16:45   | 207: The social and emotional impact of Alopecia Areata: Real world data from the Global Registry of Alopecia Areata Disease Severity and Treatment Safety<br><b>Huw Rees</b>        | 230: Scalp reduction surgery does not reactivate frontal fibrosing alopecia: a case report<br><b>Alexis Arasu</b>                                           | 220: The effect of gender-affirming hormone therapy on hair growth – A systematic review.<br><b>Gia Tang</b>                                   |
|         | END OF DAY 2                                                                                                                                                                         |                                                                                                                                                             |                                                                                                                                                |
|         | Program as of 8 November and subject to change                                                                                                                                       |                                                                                                                                                             |                                                                                                                                                |



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| Time (AEST) | Day 3<br>Sunday, 20 November 2022                                                                                                               |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| Room        | Goldfields Theatre                                                                                                                              |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| Session     | Plenary Lecture                                                                                                                                 |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| 08:30       | Current & Upcoming treatment of AGA in Korea<br>Chang-Hun Huh on behalf of the Korean Society for Hair Science Research                         |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| Room        | Goldfields Theatre                                                                                                                              | Eureka Room 1                                                                                                                                      | Eureka Room 2                                                                                                                       | Eureka Room 3                                                                                                                                      |
| Session     | The Dermal Papilla                                                                                                                              | New pathways and targets for drug development                                                                                                      | Lasers for hair removal and regrowth                                                                                                | Trichoscopy                                                                                                                                        |
| Chair       | Chair: Sarah Millar                                                                                                                             | Chair: Samantha Eisman                                                                                                                             | Chair: Leona Yip                                                                                                                    | Chair: Nino Lortkipanidze                                                                                                                          |
| 09:00       | Complex and redundant mechanisms control hair patterning<br>Sarah Millar (AHRS)                                                                 | Watch your Tongue: exploring sublingual drug delivery.<br>Samantha Eisman (AWHRS)                                                                  | 63: Photobiomodulation: Patient Preferences for Alopecia Treatment<br>Briana Paiewonsky                                             | 128: Trichoscopy in self-inflicted hair loss: a valuable diagnostic tool for differential diagnosis.<br>Nino Lortkipanidze (GHRs)                  |
| 09:15       | 137: Investigating the role of MEF2C in hair follicle cycling<br>Tracy Zhijun Tien                                                              | 2: Novel Topical Booster Enhances Sulfotransferase Activity with Androgenetic Alopecia: A New Strategy to Improve Minoxidil Response<br>Andy Goren | 139: Non Ablative Nd:YAG Laser Treatment of Frontal Fibrosing Alopecia<br>Ben Koszegi                                               | Maria Bianca Piraccini (EHRs)                                                                                                                      |
| 09:30       | 70: RNA sequencing of immortalised balding and non balding DPCs identifies potential balding gene signatures<br>Borhan Rosa                     | 114: Trajectories for scalp hair regrowth in patients with severe alopecia areata treated with baricitinib.<br>Brett King                          | 190: What niches can we expect Non Ablative Laser to fill in Patterned Alopecia?<br>Ganeshram Prasanthi                             | 30: An artificial intelligence based mobile application for quantitative trichoscopic analysis: a derivation and validation study<br>Debdeep Mitra |
| 09:45       | 119: Mass proliferation and characterization of three dimensional cell cultures using Silica-particle Nanostructured Substrate<br>Hyo-Sop Kim   | Translating the Pathophysiology of Alopecia Areata Into Innovative Drug Development<br>Alexandre Lejeune                                           | 34: Depilatory laser miniaturizes hair by inducing bystander dermal papilla cell necrosis through thermal diffusion<br>Sung-Jan Lin | 196: TRICHOSCOPIC FINDINGS IN SYPHILITIC EYEBROW ALOPECIA: REPORT OF 5 CASES<br>Danielle Cristine Westphal                                         |
| 10:00       | 232: Derivation of Folliculogenic Organoids from Human iPSC<br>Meghan Samberg                                                                   | EQ101: A Multi-Specific Cytokine Inhibitor to Treat Alopecia Areata<br>Joel Rothman                                                                | 96: Hair Follicle Growth Regulation Effect of Novel 11 $\beta$ -HSD1 Inhibitor in UVB-induced Stress Environment<br>Ju Hee Kim      | 198: Trichoscopic Findings in Syphilitic Alopecia: Report of 4 cases<br>Livia Lima                                                                 |
| Room        | Exhibition Hall                                                                                                                                 |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| 10:30       | Morning Tea                                                                                                                                     |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| Room        | Goldfields Theatre                                                                                                                              |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| Session     | Plenary Lecture                                                                                                                                 |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| 11:00       | My Hair Hurts When the Wind Blows: Nerves, Neuropeptides and Hair Loss<br>Maria Hordinsky on behalf of the American Hair Research Society       |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| Room        | Exhibition Hall                                                                                                                                 |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| 11:30       | Poster Session                                                                                                                                  |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| 12:00       | Break                                                                                                                                           |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| Room        | Eureka Room 3                                                                                                                                   |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| 12:00       | Sponsored Symposia: Pfizer                                                                                                                      |                                                                                                                                                    |                                                                                                                                     |                                                                                                                                                    |
| Room        | Goldfields Theatre                                                                                                                              | Eureka Room 1                                                                                                                                      | Eureka Room 2                                                                                                                       | Eureka Room 3                                                                                                                                      |
| 13:30       | Stem cells, stem cell niches                                                                                                                    | Hair fibre, structure and shine                                                                                                                    | Hair transplantation                                                                                                                | Trichology                                                                                                                                         |
| Chair       | Chair: George Cotsarelis<br>Co-chairs: Michael Rendl, Maria Kasper, Ohsang Kwong, Nikolas Pantellireis                                          | Chair: Leslie Jones<br>Co-chair: Michael Lynch                                                                                                     | Chair: Mario Marzola<br>Co-chairs: Russel Knudsen, Jeffrey Epstein, Marcelo Pitchon                                                 | Chair: Hugh Rushton<br>Co-chairs: David Salinger, Kay Fitzgerald                                                                                   |
| 13:30       | Hair Follicle Stem Cells<br>George Cotsarelis (AHRS)                                                                                            | 175: Correlative Analysis of Human Scalp with Scanning Acoustic Microscopy and Histology<br>Soo-Hong Seo                                           | Mario Marzola (AWHRS)                                                                                                               | 24: Psychodynamic approach in the treatment of Hair pulling disorder (Trichotillomania)<br>Mohammad Jafferany                                      |
| 13:45       | 41: Dermal sheath mechanosignaling activation of TGF- $\beta$ controls progenitor death during hair follicle regression<br>Michael Rendl (AHRS) | Characterization and causal investigations of an alopecia syndrome in Australian fur seals (Arctocephalus pusillus doriferus)<br>Michael Lynch     | 62: Does Medical Treatment Influence Long-Term Surgical Planning?<br>Russell Kndusen (AHRS)                                         | 48: How to increase the bioavailability of key nutrients for the hair<br>Chelcey Salinger                                                          |

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| 14:00   | Maria Kasper (EHRS)                                                                                                                                                                  | 117: 3D hair organoid formation that mimics the structural and functional properties of in vivo human hair follicles.<br>Gyusang Jeong                                                      | Hair Restoration Doctor as Technician or Artist/Doctor?<br>Jeffrey Epstein (AHRS)                                                                                                   | 193: Afro Textured Hair Through The Ages: Grooming Practices: why?<br>Shirley Mcdonald                                                                                   |
| 14:15   | A Multi-Omics Approach to Identify Factors Involved in Hair Follicle Growth and Development<br>Nikolas Pantelireis (AHRS)                                                            | 97: Exploring Health Indicator Molecules in Hair by Multi-omics Analysis<br>Kazutaka Ikeda                                                                                                  | Marcelo Pitchon (AHRS)                                                                                                                                                              | 100: Traccion alopecia, long- term consequences and prevention<br>Hugo Martinez                                                                                          |
| 14:30   | 120:Epigenetic regulation of postnatal maturation of dermal fibroblasts<br>Ohsang Kwong (KHRS)                                                                                       | 80: Precisely reversible changes in the shape of fur seal's hairs with water content<br>Yukari Nishita                                                                                      | 38: Comparison of Robotic Hair Restoration System and Follicular Unit Excision in the Treatment of Male Androgenetic Alopecia with in vitro Bioactivity Investigation<br>Jinran Lin | 168: Complaints of exacerbation of skin conditions and hair loss of various types began to be addressed.<br>Liubov Mukomela                                              |
| 14:45   | 69: Skin Organoids: New Horizons in Generating Hairy Skin<br>Kiarash Khosrotehrani                                                                                                   |                                                                                                                                                                                             | 164: A Patient's Perspective on Direct Hair Transplant (DHT) from Nepal: A Personal Photo Story<br>Sagun Paudel                                                                     | 201: DETECTION OF TREPONEMA PALLIDUM IN SYPHILITIC ALOPECIA THROUGH IMMUNOHISTOCHEMISTRY AND POLYMERASE CHAIN REACTION<br>Danielle Cristine Westphal                     |
| Room    | Exhibition Hall                                                                                                                                                                      |                                                                                                                                                                                             |                                                                                                                                                                                     |                                                                                                                                                                          |
| 15:00   | Afternoon Tea                                                                                                                                                                        |                                                                                                                                                                                             |                                                                                                                                                                                     |                                                                                                                                                                          |
| Room    | Goldfields Theatre                                                                                                                                                                   | Eureka Room 1                                                                                                                                                                               | Eureka Room 2                                                                                                                                                                       | Eureka Room 3                                                                                                                                                            |
| Session | Pigmentation                                                                                                                                                                         | Minoxidil, hirsutes and hypertrichosis                                                                                                                                                      | Ethnic Hair                                                                                                                                                                         | Paediatric Hair Loss                                                                                                                                                     |
| Chair   | Chair: Desmond Tobin<br>Co-chair: Carlos Clavel                                                                                                                                      | Chair: Xingqi Zhang<br>Co-chair: Sergio Vano-Galvan, Bevin Bhoyrul                                                                                                                          | Chair: Ncoza Dlova<br>Co-chairs: Nonhlanhla Khumalo,                                                                                                                                | Chair: Maria Hordinsky<br>Co-chairs: Yuliya Ovchanrenko                                                                                                                  |
| 15:30   | 221: Hair follicle pigmentation – the highly visible human life-course barometer<br>Des Tobin (EHRS)                                                                                 | Xingqi Zhang (AHRS)                                                                                                                                                                         | Frontal Fibrosing Alopecia in South Africa<br>Ncoza Dlova (SAHRS)                                                                                                                   | Maria Hordinsky (AHRS)                                                                                                                                                   |
| 15:45   | 138: Sox2 in the Dermal Papilla regulates Hair Follicle Pigmentation<br>Carlos Clavel                                                                                                | Low dose oral minoxidil-induced hypertrichosis: clinical presentation, management and proposal of dose escalation for low dose oral minoxidil in men and women<br>Sergio Vano-Galvan (EHRS) | Nonhlanhla Khumalo                                                                                                                                                                  | Maurice van Steensel (EHRS)                                                                                                                                              |
| 16:00   | 95: In vitro hair follicle models for development of gray hair therapy<br>Shan Tu                                                                                                    | Rodney Sinclair                                                                                                                                                                             | 16: Nocturnal traction: techniques used for hair style maintenance while sleeping may be a risk factor for traction alopecia<br>Aman Samrao                                         | 28: Quality of life in children affected with tinea capitis<br>Alpana Mohta                                                                                              |
| 16:15   | 179: Hair follicle pigmentation is stimulated by the synergistic effects of the root bark extract Paeonia suffruticosa and the α-MSH biomimetic peptide Greyverse™<br>Max Van Lessen | Oral minoxidil - beyond androgenetic alopecia.<br>Bevin Bhoyrul                                                                                                                             | 64: Acne keloidalis nuchae in a middle-aged Mexican woman with curly hair<br>Valeria Alvarez                                                                                        | 204: The effectiveness and safety of baricitinib in paediatric cases of alopecia areata aged 12 and below<br>Leila Asfour                                                |
| 16:30   | 148: The Human scalp anagen hair bulb – home of multiple melanocyte subpopulations with variable stress responsiveness<br>Desmond Tobin                                              | 132: The combination treatment of oral minoxidil and finasteride showed no serious adverse events among 23,410 Japanese men with androgenetic alopecia.<br>Taro Koyama                      | 129: Epidemiology of alopecia areata in Hispanic/Latinx patients in the United States<br>Celine Phong                                                                               | 135: Subset analysis of NKG2D+ cells in peripheral blood mononuclear cells from patients with alopecia areata<br>Doyoung Kim                                             |
| 16:45   | 36: The role of autophagy in hair growth and pigmentation<br>Mei-Qi Mao                                                                                                              | 6: Minoxidil Sulfotransferase Enzyme (SULT1A1) Genetic Variants Predicts Response to Oral Minoxidil Treatment for Female Pattern Hair Loss<br>Andy Goren                                    | 7"Alopecia areata incognito: an elusive disease"<br>Arshdeep Arshdeep                                                                                                               | 163: Oral Baricitinib and sublingual minoxidil for alopecia universalis in an 11-year-old girl: a novel combination therapy for paediatric patients<br>Anneliese Willems |
| 19:00   | Congress Gala Dinner<br>Zinc at Federation Square                                                                                                                                    |                                                                                                                                                                                             |                                                                                                                                                                                     |                                                                                                                                                                          |
|         | END OF DAY 3                                                                                                                                                                         |                                                                                                                                                                                             |                                                                                                                                                                                     |                                                                                                                                                                          |

Program as of 8 November and subject to change



World Congress for Hair Research 2022  
18 - 21 November 2022  
Melbourne Convention and Exhibition Centre  
Melbourne, Australia



| Time (AEST) | Day 4<br>Monday, 21 November 2022                                                                                                                                                                              |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Room        | Goldsfields Theatre                                                                                                                                                                                            |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| Session     | Plenary Lecture                                                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 08:30       | 140: PSYCHOTRICOLOGY: NEW PARADIGM IN MANAGEMENT OF PATIENTS WITH HAIR DISORDERS<br>Yuliya Ovcharenko on behalf of the Ukraine Hair and Research Society                                                       |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| Room        | Goldsfields Theatre                                                                                                                                                                                            |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| Session     | Free papers and late breaking abstracts                                                                                                                                                                        | Emerging treatments for hair loss                                                                                                                                                                   | Platelet Rich Plasma                                                                           |                                                                                                                                                             |
| Chairs      | Chair: Leona Yip<br>Co-chairs: Dmitri Wall, Nekma Meah, Paul Farrant                                                                                                                                           | Chair: Yuval Ramot                                                                                                                                                                                  | Chair: Jerry Shapiro<br>Co-chairs: Pooja Sharma, Etienne Wang                                  |                                                                                                                                                             |
| 9:00        | Frontal fibrosing alopecia - findings from a global eDelphi consensus.<br>Dmitri Wall & Nekma Meah (AHWS)                                                                                                      | 23: The use of micropatting and iontophoresis technique in scalp disease<br>Michela Starace (EHRS)                                                                                                  | Platelet Rich Plasma update<br>Jerry Shapiro (AHS)                                             |                                                                                                                                                             |
| 9:05        |                                                                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 9:10        | The Alopecia Areata Severity and Morbidity Index (ASAMI) Study: Results of an international expert consensus exercise on determinants of alopecia areata severity.<br>Anthony Moussa & Michaela Bennett (AHWS) | New and emerging treatments for alopecia areata<br>Yuval Ramot (EHRS)                                                                                                                               |                                                                                                | Pooja Sharma (AWHS)                                                                                                                                         |
| 9:15        |                                                                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 9:20        | Upping our game - objectifying clinical practice, a challenge to us all<br>Paul Farrant                                                                                                                        | 39: GHRH agonist regulates hair cycle transition and hair growth<br>Yuhong Chen                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 9:25        |                                                                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 9:30        | 146: Testosterone affects not only vertex/frontotemporal, but also occipital intermediate and terminal hair follicles in mpAGA patients ex vivo - Time to reconsider the current dogma?<br>Sabrina Altendorf   | 54: Apremilast and hair regrowth in alopecia areata<br>Timothy Cowan                                                                                                                                | IMMUNOLOGY OF HAIR CYCLING<br>Etienne Wang (AHS)                                               |                                                                                                                                                             |
| 9:35        |                                                                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 9:40        | 151: Age-associated thin hair displays molecular, structural and mechanical characteristics changes<br>Stephanie Commo                                                                                         | 147: Butyrate, a metabolite produced by hair follicle microbiome, promotes autophagy, mitochondrial activity, early melanogenesis and intrafollicular dermcidin expression<br>Marta Lousada         |                                                                                                | 167: Differential Growth Factor Secretion by Platelets in Platelet-Rich Plasma Samples of Alopecia Areata and Androgenetic Alopecia Patients<br>Javed Shaik |
| 9:45        |                                                                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 9:50        | 101: The contribution of hair regrowth to health-related quality of life improvement in patients with alopecia areata treated with barcitinib or placebo<br>Frederick Durand                                   | 180: The synthetic odorant Sandalore® balances the human hair follicle microbiome<br>Janin Edelkamp                                                                                                 |                                                                                                |                                                                                                                                                             |
| 9:55        |                                                                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 10:00       | RESULTS FROM A PHASE 3 TRIAL, THRIVE-AA1, OF THE ORAL JAK INHIBITOR CTP-543 (DEURUXOLITINIB) IN ADULT PATIENTS WITH MODERATE TO SEVERE ALOPECIA AREATA<br>Brett King                                           | 77: Therapeutic effects of the application of a novel growth factor cocktail solution (Molinq™) via microneedling on the scalp of patients with androgenetic alopecia: A split study<br>Byung In Ro | 216: The use of platelet-rich plasma in scarring alopecia – A systematic review<br>Minjun Park |                                                                                                                                                             |
| 10:05       |                                                                                                                                                                                                                |                                                                                                                                                                                                     |                                                                                                |                                                                                                                                                             |
| 10:10       | 160: Patch testing and Frontal Fibrosing Alopecia - what's the deal?<br>Mei Tam                                                                                                                                | 116: The efficacy and safety of Advanced Skincare Complex from ExoCoBio (ASCE) plus Hair Rejuvenation Lyophilized Vial (HRLV) in patients with androgenetic alopecia<br>Byung Cheol Park            |                                                                                                |                                                                                                                                                             |

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| 10:15   |                                                                                                                                   |                                                                                                                                                                                                                        | Dmitri Wall                                                                                                                   |
| 10:20   | Reduction of Hair Loss in Non-Genetic Hair Loss Populations by Improving Scalp Health<br>James Schwartz                           | 154: Acetyl-Glutamine not only prolongs anagen phase, but also positively modulates dermal papilla functions and hair keratins ex vivo<br>Alizée Le Riche                                                              |                                                                                                                               |
| 10:25   |                                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| Room    | Exhibition Hall                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| 10:30   | Morning Tea                                                                                                                       |                                                                                                                                                                                                                        |                                                                                                                               |
| Room    | Goldsfields Theatre                                                                                                               |                                                                                                                                                                                                                        |                                                                                                                               |
| Session | Plenary Lecture                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| 11:00   | Tracing the developmental origin of hair follicle stem cells<br>Hironubu Fujiwara on behalf of the Japanese Hair Research Society |                                                                                                                                                                                                                        |                                                                                                                               |
| 11:30   | Developing new treatments for hair loss<br>George Cotsarelis on behalf of the World Congress for Hair Research                    |                                                                                                                                                                                                                        |                                                                                                                               |
| 12:00   | Break                                                                                                                             |                                                                                                                                                                                                                        |                                                                                                                               |
|         | Goldsfields Theatre                                                                                                               | Eureka Room 1                                                                                                                                                                                                          | Eureka Room 2                                                                                                                 |
| Session | Auxillary Cells                                                                                                                   | Finasteride, dutasteride and post Finasteride Syndrome                                                                                                                                                                 | Free papers and Clinical cases                                                                                                |
| Chairs  | Chair: Sarah Millar<br>Co-chairs: Carlos Clavel                                                                                   | Chair: Kenneth Washenik<br>Co-chairs: Jack Green                                                                                                                                                                       | Chair: Pooja Sharma<br>Co-chairs: Katherine York, Lara Carvlho, Koh Wei Liang                                                 |
| 13:30   | 173: KLF4 maintains hair follicle stem cell quiescence<br>Sarah Millar (AHRS)                                                     | Kenneth Washenik (AHRS)                                                                                                                                                                                                | Pooja Sharma (AWHRS)                                                                                                          |
| 13:35   |                                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| 13:40   | Inducing Fate Changes at the Hair Follicle Stem Cell Niche<br>Carlos Clavel (AWHRS)                                               | Post finasteride syndrome<br>Jack Green (AWHRS)                                                                                                                                                                        | Katherine York (AWHRS)                                                                                                        |
| 13:45   |                                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| 13:50   | 33: IMMUNE CELL REGULATION OF THE HUMAN HAIR CYCLE<br>Etienne Wang                                                                |                                                                                                                                                                                                                        | Lara Carvalho                                                                                                                 |
| 13:55   |                                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| 14:00   | Chang-Hun Huh                                                                                                                     | 68: Efficacy and Safety of Finasteride in Frontal Fibrosing Alopecia, Lichen Planopilaris, and Pseudopelade of Brocq<br>Moon-Bum Kim                                                                                   | 141: Low-dose Oral Minoxidil for the Treatment of Hair Loss - An Audit in a Singapore Dermatology Department<br>Koh Wei Liang |
| 14:05   |                                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| 14:10   | 120: Epigenetic regulation of postnatal maturation of dermal fibroblasts<br>Ohsang Kwon                                           |                                                                                                                                                                                                                        | 87: Lymphoproliferative disorders: can be localized on the scalp? Unusual variant of scalp involvement.<br>Michela Starace    |
| 14:15   |                                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| 14:20   | 32: Analysis of Sebaceous Gland Morphology in Psoriatic Alopecia<br>Betty Nguyen, Curtis T Thompson                               | 85: Therapeutic maintenance effect of finasteride 1mg every other month regimen in androgenetic alopecia and study on the difference in response to finasteride treatment: A prospective cohort study<br>Bark-Lynn Lew | 107: Alopecia Pattern Hair Loss Caused by Injection Fillers: Two Case Report<br>Xi Chen                                       |
| 14:25   |                                                                                                                                   |                                                                                                                                                                                                                        |                                                                                                                               |
| 14:30   | 35: Epithelial-Mesenchymal Interaction in Hair Regeneration and Skin Wound Healing<br>Mei-Qi Mao                                  |                                                                                                                                                                                                                        | 78: A case of aplasia cutis congenita in monozygotic twins under dermoscopy<br>Huijun Lai, Hongwei Guo                        |

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| 14:35 | Mei-Qi Mao                                                                                                      | 226: The First Clinical Report on a Successful Single Dose Study of the Novel Finasteride Long-Acting InjectionVersus Propecia® Tablets in Healthy Adult Participants<br><b>Heesun Kim</b>                                      | Huijun Lai, Hongwei Guo                                                                          |
| 14:40 | 122: Noncontact Compression Promotes Hair Growth by the Activation of Endothelial Cells<br><b>Hiroya Takada</b> |                                                                                                                                                                                                                                 | 98: Mimicking a Hair follicle-like organoid using immortalized cell lines<br><b>Hyun Woo Joo</b> |
| 14:45 |                                                                                                                 |                                                                                                                                                                                                                                 |                                                                                                  |
| 14:50 | 109: IRX5 promotes DNA damage repair and activation of hair follicle stem cells<br><b>Bogi Andersen</b>         | 4: Racial Variations in COVID-19 Deaths May Be Due to Androgen Receptor Genetic Variants Associated with Prostate Cancer and Androgenetic Alopecia. Are Anti-Androgens a Potential Treatment for COVID-19?<br><b>Andy Goren</b> | 185: Scalp Sarcoidosis - The Great Imitator<br><b>Charlotte Krones</b>                           |
| 14:55 |                                                                                                                 |                                                                                                                                                                                                                                 |                                                                                                  |
| Room  | Goldfields Theatre                                                                                              |                                                                                                                                                                                                                                 |                                                                                                  |
| 15:00 | Closing Ceremony                                                                                                |                                                                                                                                                                                                                                 |                                                                                                  |
|       | END OF DAY 4                                                                                                    |                                                                                                                                                                                                                                 |                                                                                                  |
|       | Program as of 8 November and subject to change                                                                  |                                                                                                                                                                                                                                 |                                                                                                  |