

American Hair Research Society Scientific Meeting and Annual General Meeting

Friday, May 20, 2022

7:00 PM - 9:30 PM

Room B113 - B116

Presiders: John T. Seykora, MD, PhD, Chair, Scientific Program Committee
and Angela Christiano, PhD, Secretary-Treasurer

7:00 PM

Poster Viewing & Reception

1. Treatment with cyclohexyl salicylate, an olfactory receptor 2A4/7 agonist, promotes human hair follicle growth and bulge stem cell progeny expansion

J. Edelkamp, M. Bertolini, R. Paus, D. Pinto, Giuliani SpA, H. Erdmann, T. Purba, F. Jimenez, R. Paus. *Abstract Final ID #732.*

2. Cytotoxic T lymphocytes target Henle's layer in alopecia areata. J. Kim, E. Chang, E.Y. Lee, E. Wang, A.M. Christiano. *Abstract Final ID #829.*

3. Particulate matter induces inflammatory response in human outer root sheath cells via oxidative stress-dependent MAPK and JAK-STAT signaling pathways. H. Choi, H. Lee, J. Na, C. Huh, J. Shin. *Abstract Final ID #705.*

4. EGFR/MEK inhibitor therapy induces partial hair follicle immune privilege collapse in vivo and ex vivo. D. Rutkowski, R. Warren, C. Griffiths, R. Paus. *Abstract Final ID #861.*

5. Transcriptomic profiling of frontal and occipital dermal papilla reveals potential role of TRPS1 in androgenic alopecia. P. Kemp, N. Farjo, B. Farjo, S. Limbu, C. Higgins. *Abstract Final ID #746.*

6. Use of Low-Level Light Therapy in Management of Central Centrifugal Cicatricial Alopecia. M.K. Cook, B. Feaster, J.J. Subash, J. Larrondo, A.J. McMichael. *Abstract Final ID #688.*

7. Charting the human hair follicle microbiome: composition, distribution, and functional impact of the bacterial metabolite, butyrate. M.B. Lousada, J. Edelkamp, R. Paus, T. Lachnit, F. Jimenez. *Abstract Final ID #550.*

8. Adverse events associated with hydroxychloroquine use in cicatricial alopecia patients. M. Collins, S. Ali, I. Pupo Wiss, M. Senna. *Abstract Final ID #204.*

9. Improving hairdressers' knowledge and identification of hair loss disorders with use of an educational video.

S. Ali, M. Collins, L. Burns, I. Pupo Wiss, D. Hagigeorges, L. Burns, M. Senna. *Abstract Final ID #364.*

10. The role of lanosterol synthase in patients with congenital hypotrichosis. S. Ali, M. Collins, I. Pupo Wiss, M. Senna. *Abstract Final ID #473.*

7:45 PM

Welcome and Awards

7:50 PM

Keynote Speaker

Hair follicle phenotypes are regulated by Lef1 expression in fibroblasts.

Ryan R. Driskell, Ph.D.

Assistant Professor

School of Molecular Biosciences, Center for Reproductive Biology, Washington State University

8:15 PM

Oral Presentations

12 minutes for presentation plus 3 minutes for Q&A and change of speaker

8:15 PM

Gut dysbiosis is associated with the development of alopecia areata. T. Sezin, A. Abdelaziz, M. Isha, J. Chen, S. Brigitte, E. Wang, D. Zhenpeng, L. Bordone, R. Perez-Lorenzo, A.M. Christiano, Y. Gupta, S. Sanna-Cherchi. *Abstract Final ID #567.*

8:30 PM

Decomposing a deterministic path to hair follicle dermal niche formation: The intersection of two morphogen gradients. G. Strickland, K. Gupta, Y. Jiang, D. Dong, C. Saez, P. Weng, R. Qu, Y. Klugar, P. Myung, M. Taketo. *Abstract Final ID #704.*

8:45 PM

Hunting the hair cycle clock (HCC): evidence that mitochondrially localized MPZL3 is a key HCC element in murine and human hair follicles. C. Nicu, T.C. Wikramanayake, J. Gherardini, A. Mello, J. Chéret, R. Paus, P. Frost. *Abstract Final ID #715.*

9:00 PM

AHRS Annual Business Meeting

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