

American Hair Research Society Scientific Meeting and Annual General Meeting

Friday, May 17, 2024

7:00 PM - 9:30 PM

Metropolitan

Presiders: John Seykora, MD, PhD, Chair, Scientific Program Committee and Angela Christiano, PhD, President

7:00 PM Poster Viewing & Reception

1. In vitro cultivation of dermal-epidermal composites in a single medium supports human hair follicle neogenesis in xenografts. D.C. Aduba, J. Roy, S. Li, S. Xavier, J. Wang, T.N. Darling. *Abstract Final ID #655.*

2. RNAseq analysis suggests activation of immune pathways is involved in the pathogenesis of central centrifugal cicatricial alopecia (CCCA). D.S. Aivazi, A.F. Alexis, L.L. Stohl, J.Z. Xiang, E. Kerby, A.Y. Tan, R.D. Granstein. *Abstract Final ID #043.*

3. Scalp cooling for chemotherapy-induced alopecia in skin of color patients: An interventional study. D. Alicea, W. Robinson, Y. Oprea, K. Shinoda, Y. Halberstam, D. Hasgood, B. McLellan. *Abstract Final ID #269.*

4. The pattern of Fas and Fas ligand expression in alopecia areata. L. Chen, M. Gregory-Ksander, S.A. Low, M. Senna. *Abstract Final ID #058.*

5. Human hair follicles operate core elements of a functional peripheral equivalent of the central hypothalamic-pituitary-thyroid axis. K. Linowiecka, J. Cheret, J. Gherardini, R. Paus, K. Linowiecka, W. Fostier, J. Betz. *Abstract Final ID #804.*

6. Cutaneous wound closure is delayed in mice with inducible knockout of epidermal integrin $\alpha 3 \beta 1$. S. Dhulipalla, G. Albeche Duarte, J. Lamar, C. DiPersio, W. Longmate, L. Wu, C. DiPersio. *Abstract Final ID #668.*

7. Effect of mechanical intervention on the scalp microbiome: Setting the stage for the future management of cicatricial alopecias. K.T. Nguyen, N. Ly, S. Fruechte, M. Hordinsky, R. Farah, A. Syal, C. Staley, N. Sadick, S. Arruda. *Final ID #465.*

8. Cytokine profiling in pemphigus vulgaris & alopecia areata reveals analogous genetic underpinning of autoimmune skin disease. R. Schwartz, K. Seiffert-Sinha, A.A. Sinha. *Abstract Final ID #007.*

9. Platelet activation during PRP preparation for therapeutic use. J.A. Shaik, R. Farah, M. Hordinsky. *Abstract Final ID #690.*

10. Impact of underlying medical conditions and medications on edema development in alopecia patients receiving low-dose oral minoxidil (LDM). D. Desai, A. Nohria, M. Sikora, S. Mandal, J. Shapiro, K. Lo Sicco. *Abstract Final ID #180.*

11. Squaric acid dibutylester, used in alopecia areata immunotherapy, promotes innate immune-driven hair growth with CD206+ macrophage accumulation in the dermis. K. Tomij, R. Abe, T. Katakai. *Abstract Final ID #440*

12. Single cell RNA and TCR sequencing reveals hyperexpansion of T cell clones and novel regulatory mechanisms of CD8+ T cells in murine alopecia areata skin and draining lymph nodes. Y. Wang, G. Micevic, J. Daccache, A. Wang, B. King, W. Damsky, W. Yu, K. Park, G. Wang, M. Palmatier, J. Wheeler. *Abstract Final ID #057*

7:45 PM Welcome and Awards

John Seykora, MD, PhD and Angela Christiano, PhD

Oral Presentations

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

7:50 PM
TGF- β signaling during the early phase of regeneration is required for wound-induced hair follicle neogenesis. T. Ogawa, C. Lim, P. Marella, S. Lee, A. Kaminaka, M. Ito. *Abstract Final ID #684.*

8:08 PM
MPZL3 is an epithelia-autonomous regulator of the murine hair cycle. N. Haberland, R. Paus, T.C. Wikramanayake. *Abstract Final ID #680.*

8:26 PM
Complex cellular flows shape feather follicle topology. H. Harn, C. Huang, T. Liu, P. Wu, T. Jiang, C. Chuong, W. Juan. *Abstract Final ID #660.*

8:44 PM
Improved graft survival and hair follicle neogenesis in dermal epidermal constructs incubated with bioactive peptides. S. Xavier, J. Roy, S. Li, R. Thangapazham, J. Wang, D.C. Aduba, T.N. Darling. *Abstract Final ID #659.*

9:05 PM
AHRS Annual Business Meeting

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