



North American Hair Research Society Scientific Meeting and Annual General Meeting

-NO CME CREDIT OFFERED-

Presiders: Wilma F. Bergfeld, MD, President, and Andrzej Dlugosz, MD, Chair, Scientific Program Committee

Friday, May 9, 2014

6:00pm-9:30pm

Albuquerque Convention Center – Room Brazos

OPEN TO ALL MEETING ATTENDEES

6:00pm-6:45pm: Poster Viewing & Reception

1. **Sonic hedgehog signaling is essential for touch dome Merkel cell development.** Xiao, Ying; Williams, Jonathan S.; Brownell, Isaac. *Poster #277*
2. **Wnt-dependent initiation and maintenance of postnatal hair growth by hair-inducing dermal papilla cells.** Zhou, Linli; Yang, Yongguang; Taketo, Makoto; Millar, Sarah E.; Zhang, Yuhan. *Poster #261*
3. **Impact of Dlx3 deficiency in isthmus/infundibulum for hair shaft development.** Kim, Jin-Chul; Duverger, Olivier; Hwang, Joonsung; Morasso, Maria. *Poster #244*
4. **Complex changes in the apoptotic and cell differentiation programs during initiation of the hair follicle response to chemotherapy.** Sharova, Tatyana Y.; Poterlowicz, Krzysztof; Botchkareva, Natalia V.; Kondratiev, Nikita A.; Aziz, Ahmar; Spiegel, Jeffrey H.; Botchkarev, Vladimir A.; Sharov, Andrey. *Poster #252*
5. **Hair cycles of transplanted human hairs in immunocompromised mice.** Oh, Ji Won; Kim, Moonkyu; Plikus, Maksim; Kim, Jung-Chul. *Poster #276*
6. **Sexually-dimorphic responses to pharmacologic inhibition of HSP90 by subpopulations of stem cells in the hair.** Krishnaswami, Suguna; Adase, Chris; Gutierrez, Josue; Yu, Benjamin D. *Poster #280*
7. **The JAK 1/2 inhibitor baricitinib prevents and reverses alopecia areata in C3H/HeJ mice.** Dai, Zhenpeng; Xing, Luzhou; Jabbari, Ali; Christiano, Angela; Clynes, Raphael. *Poster #131*
8. **Mouse models of cicatricial alopecia.** Potter, Christopher; Pratt, C. H.; Hama, Hiroko; Wolk, Kendra; Silva, Kathleen A.; Kennedy, Victoria E.; Everts, Helen B.; King, Lloyd E.; Sundberg, John P. *Poster #272*
9. **Gaining insight in the pathogenesis of alopecia areata through next generation T cell receptor sequencing.** O'Malley, John T.; de Jong, Annemieke; Jabbari, Ali; Dai, Zhenpeng; Kurban, Mazen; Christiano, Angela; Clynes, Raphael. *Poster #39*

10. **IL-2 blockade prevents the onset of alopecia areata in C3H/HeJ mice.** Dai, Zhenpeng; Xing, Luzhou; Jabbari, Ali; Christiano, Angela; Clynes, Raphael. *Poster #133*
 11. **Functional genomics defines an association of the ligand-independent CTLA4 isoform with alopecia areata.** Christiano, Angela; Bian, Li; Gros, Marilyn; Petukhova, Lynn; Dai, Zhenpeng; Clynes, Raphael. *Poster #137*
 12. **Screening for autoantigen epitopes involved in the development of alopecia areata.** Wang, Eddy H.; Breitkopf, Trisia; Akhoundsadegh, Noushin; Dutz, Jan P.; Shapiro, Jerry; McElwee, Kevin J. *Poster #248*
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6:45pm-7:15pm: Keynote Speaker

Uncovering cellular and signaling mechanisms of skin regeneration using two-photon microscopy

Valentina Greco, PhD

Assistant Professor, Yale Medical School, Departments of Genetics and Dermatology, Yale Stem Cell Center, Yale Cancer Center

7:15pm-8:30pm: Oral Presentations

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

1. **7:15pm-7:30pm ABCA5 is a novel regulator of hair growth.** DeStefano, Gina M.; Kurban, Mazen; Anyane-Yeboa, Kwame; Dall'Armi, Claudia; Di Paolo, Gilbert; Feenstra, Heather; Silverberg, Nanette; Rohena, Luis; Jobanputra, Vaidehi; Fantauzzo, Katherine; Kiuru, Maija; Tadin-Strapps, Marija; Sobrino, Antonio; Vitebsky, Anna; Warburton, Dorothy; Levy, Brynn; Salas-Alanis, Julio C.; Lopez-Cepeda, Larissa D.; Christiano, Angela. *Poster #450*
 2. **7:30pm-7:45pm Loss of nuclear membrane protein SUN2 leads to transient alopecia and hair follicle structure defects.** Stewart, Rachel; Zubek, Amanda; Rosowski, Kathryn; Schreiner, Sarah; King, Megan; Horsley, Valerie. *Poster #230*
 3. **7:45pm-8:00pm Integration of microRNA-mRNAeExpression profiles reveals regulatory networks controlling hair cycle progression.** Poterlowicz, Krzysztof; Alam, Majid; Aunin, Eerik; Fessing, Michael; Botchkareva, Natalia V. *Poster #241*
 4. **8:00pm-8:15pm Fibroblast growth factor signaling in wound-induced hair follicle neogenesis.** Holler, Phillip; Kwon, Oshang; Zhang, Zhikun; Ornitz, David M.; Cotsarelis, George. *Poster 788*
 5. **8:15pm-8:30pm Keratin 79 marks a novel population of migratory keratinocytes that mediates the formation and regeneration of the hair follicle canal / infundibulum.** Veniaminova, Natalia A.; Vagnozzi, Alicia N.; Reiter, Jeremy F.; Wong, Sunny. *Poster #235*
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8:30pm-9:30pm: NAHRS Business Meeting
