

# NORTH AMERICAN HAIR RESEARCH SOCIETY SCIENTIFIC MEETING

NO CME CREDIT OFFERED

President: Wilma F. Bergfeld, MD and Stephen Lyle, MD/PhD

Friday, May 11, 2012

6:00 pm - 9:30 pm

Raleigh Convention Center 302 B/C

## OPEN TO ALL MEETING ATTENDEES

6:00 pm - 6:45 pm

### Poster Presentations & Reception

- P-cadherin regulates human hair follicle growth and pigmentation through canonical wnt signaling.** Liat Samuelov, Jennifer E Kloepper, Daisuke Tsuruta, Tamás Bíró, Suman K Singh, Desmond J Tobin, Eli Sprecher and Ralf Paus. Luebeck, Germany; Tel Aviv, Israel; Kurume, Japan; Debrecen, Hungary; Bradford, United Kingdom; Ramat Aviv, Israel and Manchester, United Kingdom. *Poster #443*
- DP-specific Sox2 ablation impairs hair follicle growth.** Carlos Clavel, Laura Grisanti, Roland Zemla, Amelie Rezza, Rita Barros and Michael Rendl. New York, New York/NY and Porto, Portugal. *Poster #489*
- RNA-binding Pumilio proteins are expressed in mammalian epidermis and regulate the balance between keratinocyte proliferation and apoptosis.** Sean R Christensen and Haifan Lin. New Haven, CT. *Poster #483*
- Hairless is a histone demethylase involved in hair follicle cycling and epidermal homeostasis.** Liang Liu, Hyunmi Kim, Claire A Higgins and Angela M Christiano. New York, NY. *Poster #476*
- The role of a novel immunoglobulin-like protein in hair and sebaceous development.** Carmen Perez, Angel G Leiva, Joaquin J Jimenez and Tongyu C Wikramanayake. Miami, FL. *Poster #471*
- Dlx3 is a critical regulator on hair follicle differentiation and development.** Jin-Chul Kim, Joonsung Hwang and Marial Morasso. Bethesda, MD and Cheongwon-gun, South Korea. *Poster #449*
- Characterization of the human hair keratin-associated protein 2 (KRTAP2) gene family.** Hiroki Fujikawa, Atsushi Fujimoto, Muhammad Farooq, Masaaki Ito and Yutaka Shimomura. Niigata, Japan. *Poster #445*
- Tolbutamide, an ATP-sensitive potassium ( $K_{ATP}$ ) channel blocker, inhibits hair growth, promotes catagen and stimulates TNF/TNFRSF1A signalling in human hair follicles in organ culture.** Heero Rahman, Nilofer Farjo, Bassam Farjo and Valerie Randall. Bradford, United Kingdom and Manchester, United Kingdom. *Poster #488*
- Somatostatin is expressed in hair follicles and may play a role in immune privilege.** Trisia Breitkopf, Blanche K Lo, Gigi Leung, Mei Yu, Jerry Shapiro and Kevin J McElwee. Vancouver, Canada. *Poster #441*
- Neurogenic inflammation: Evidence for a causal role in lichen planopilaris.** Margareth Pierre-Louis, Isabella Doche, Marna Ericson, Sima Kavand, Rebecca Speltz-Paiz, George L Wilcox and Maria K Hordinsky. Minneapolis, MN and São Paulo, Brazil. *Poster #485*
- Spatially mapping changes in protein secondary structure and lipid distribution in human hair with FTIR imaging microscopy.** David J Moore and Samuel Gourion-Arsiquaud. Princeton, NJ. *Poster #491*

6:45 pm - 7:15 pm

### Keynote Speaker

#### Wnt-dependent regeneration of pigmented hair

Mayumi Ito, PhD

Assistant Professor, Department of Dermatology and Cell Biology  
New York University School of Medicine

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## ANCILLARY MEETINGS

FRIDAY, MAY 11, 2012

### Society for Pediatric Dermatology

7:00 am - 8:00 am

Raleigh Convention Center 206

### BCCNS Life Support Network

11:00 am - 1:00 pm

Raleigh Convention Center 301 A/B

### National Alopecia Areata Foundation

11:45 am - 1:30 pm

Raleigh Convention Center 307

### Academic Dermatologists Luncheon

*Sponsored by the Women's*

*Dermatology Society*

Raleigh Convention Center 302 B/C

### JID Editorial Board Meeting

4:00 pm - 5:30 pm

Raleigh Convention Center 402

### Nanodermatology Society

4:00 pm - 7:00 pm

Raleigh Convention Center 302 A

### North American Hair Research Society Scientific Meeting

6:00 pm - 9:30 pm

Raleigh Convention Center 302 B/C

### Galderma Japan Scientific Forum

6:30 pm - 9:30 pm

Raleigh Convention Center 301 A/B

# NORTH AMERICAN HAIR RESEARCH SOCIETY SCIENTIFIC MEETING (CONT'D)

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Oral Abstract Presentations

1. **A perivascular stem cell niche in the hair follicle.** Ying Xiao, Wei-Meng Woo, Atsushi Terunuma, Anthony E Oro, Jonathan C Vogel and [Isaac Brownell](#). Bethesda, MD and Stanford, CA. *Poster #467*
2. **Human induced pluripotent stem cell-derived keratinocyte precursors contribute to hair follicle regeneration in vivo.** [Ophelia K Veraitch](#), Tetsuro Kobayashi, Yoichi Imaizumi, Wado Akamatsu, Masayuki Amagai, Hideyuki Okano and Manabu Ohyama. Tokyo, Japan. *Poster #446*
3. **Defining the role of p63 in hair follicle stem cells.** [Velmurugan Balaiya](#), Merlin Ariefdjohan, Peter J Koch and Marankel Koster. Aurora, CO. *Poster #473*
4. **Complex pigment patterning and topology of melanocyte stem cell niche in feathers.** [Sung-Jan Lin](#), John Foley and Cheng-Ming Chuong. Los Angeles, CA; Taipei, Taiwan and Bloomington, IN. *Poster #448*
5. **Disruption of the cholesterol biosynthesis pathway contributes to hair follicle cycling deficiency and stem cell apoptosis in a mouse model.** [Sreejith P Panicker](#), Mary C Consolo, Kord Honda and Pratima Karnik. Cleveland, OH. *Poster #481*

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8:30 pm - 9:30 pm

NAHRS Business Meeting

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