

**North American Hair Research Society  
Scientific Meeting and Annual General Meeting**

**Friday, May 6, 2011**

**6:00pm-9:30pm**

**Room: Grand Sonoran H&I  
JW Marriott Desert Ridge Resort  
Phoenix, Arizona**

6:00PM-6:45PM: Poster Viewing & Reception  
6:45PM-7:15PM: Featured Speaker, Dr. Luis Garza  
7:15PM-8:30PM: Oral Presentations  
8:30PM-9:30PM: NAHRS Business Meeting

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**Featured Speaker:**

**Luis Garza, MD, PhD**

Assistant Professor, Department of Dermatology  
Johns Hopkins School of Medicine

**"Hair Follicle Stem Cells in Androgenetic Alopecia"**

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**Oral Abstract Presentations:**

**1. Genetic deletion of *Egfr* results in resistance to cyclophosphamide-induced alopecia**

KJ Bichsel, N Gogia, T Malouff, E Forney and LA Hansen *Biomedical Sciences, Creighton University, Omaha, NE*; Abstract #442

**2. Pharmacodynamic effects on anagen inhibition after oral administration of the Smoothened inhibitors LDE225 or GDC0449.**

FS Kalthoff, H Aschauer, E Foglar, L Mudde-Boer, N Schoefmann, P Stuchlik, A Stuetz and B Wolff-Winiski *Dermatology, Novartis Institutes for Biomedical Research, Vienna, Austria*; Abstract #458

**3. A mouse model for *in vivo* tracking of canonical wnt/beta-catenin signalling in skin**

SS Hodgson and K Khosrotehrani *University of Queensland Centre for Clinical Research, Brisbane, QLD, Australia*; Abstract #450

**4. Spermidine promotes human hair follicle growth and modulates human epithelial stem cell functions**

Y Ramot,<sup>1,2</sup> S Tiede,<sup>2</sup> T Biro,<sup>3</sup> M Abu Bakar,<sup>2,4</sup> B Toth,<sup>3</sup> M Philpott,<sup>5</sup> W Harrison,<sup>5</sup> K Sugawara<sup>2</sup> and R Paus<sup>2,6</sup>  
*1 Hadassah-Hebrew University Medical Center, Jerusalem, Israel, 2 University of Lübeck, Lübeck, Germany, 3 University of Debrecen, Debrecen, Hungary, 4 Universiti Sains Malaysia, Kelantan, Malaysia, 5 The London School of Medicine and Dentistry, London, United Kingdom and 6 University of Manchester, Manchester, United Kingdom*; Abstract #431

### **5. Early loss of sebaceous gland in scarring alopecia**

T Al-Zaid,<sup>1</sup> S Vanderweil,<sup>2</sup> Z Guo,<sup>2</sup> A Zembowicz<sup>3</sup> and S Lyle<sup>2</sup> <sup>1</sup> MD Anderson Cancer Center, Houston, TX, <sup>2</sup> Cancer Biology, UMass Medical School, Worcester, MA and <sup>3</sup> Dept. of Pathology, Lahey Clinic, Tufts Univ. Medical Center, Burlington, MA; Abstract #459

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### **Posters:**

#### **1. Dermal papilla cells promote trichogenesis in engineered skin substitutes**

P Sriwiranont,<sup>1</sup> EA Maier,<sup>2</sup> KA Lynch,<sup>3</sup> DM Supp<sup>2,3</sup> and ST Boyce<sup>1,2,3</sup> <sup>1</sup> Biomedical Engineering, University of Cincinnati, Cincinnati, OH, <sup>2</sup> Research, Shriners Hospitals for Children, Cincinnati, OH and <sup>3</sup> Surgery, University of Cincinnati, Cincinnati, OH; Abstract #470

#### **2. Combination of human epidermal-dermal equivalents and primary human sebocyte cultures for evaluating topical sebum inhibitors**

W Li, A Pappas, M Eisinger and L Zhang *Skin Research Center, Unit of Johnson and Johnson Consumer Companies, Inc., Skillman, NJ; Abstract #441*

#### **3. Wound healing milieu protects against chemotherapy induced alopecia**

J Escandon, O Stojadinovic, LM Mauro, T Cao Wikramanayake, M Tomic-Canic and JJ Jimenez *Dermatology and Cutaneous Surgery, University of Miami, Miami, FL; Abstract #430*

#### **4. The presence of antigen-specific CTLs to melanin-associated protein, MACE3, in the patients with alopecia areata**

T Ito, H Hashizume, M Takigawa and Y Tokura *Dermatology, Hamamatsu University School of Medicine, Hamamatsu, Japan; Abstract #453*

#### **5. Murine alopecia areata immunopathogenesis is dominated by NKG2D positive CD8T cells and NKG2D blockade protects hair follicles from cytolytic attack**

L Xing,<sup>1</sup> P Singh,<sup>2</sup> C Higgins,<sup>2</sup> S Harel,<sup>2</sup> AM Christiano<sup>2</sup> and R Clynes<sup>1</sup> <sup>1</sup> Department of Medicine, Columbia University College of Physicians and Surgeons, New York, NY and <sup>2</sup> Department of Dermatology, Columbia University College of Physicians and Surgeons, New York, NY; Abstract #060

#### **6. The circadian transcriptome in skin is hair growth cycle dependent**

M Geyfman,<sup>1</sup> Q Liu,<sup>3</sup> A Ihler,<sup>3</sup> P Smyth<sup>3</sup> and B Andersen<sup>1,2,3</sup> <sup>1</sup> Department of Biological Chemistry, University of California, Irvine, Irvine, CA, <sup>2</sup> Department of Medicine, University of California, Irvine, Irvine, CA and <sup>3</sup> Department of Computer Science, University of California, Irvine, Irvine, CA; Abstract #473

#### **7. Protection of melanin content in the hair follicle**

C Meyrignac,<sup>1</sup> A Perrin,<sup>1</sup> S Ratz,<sup>1</sup> V Lequoy,<sup>1</sup> K Cucumel,<sup>1</sup> C Gondran,<sup>1</sup> C Dal Farra<sup>2</sup> and N Domloge<sup>1</sup> <sup>1</sup> Global Skin Research Center, ISP Vincience, Sophia Antipolis, France and <sup>2</sup> ISP Corporate Research Center, ISP; Wayne, NJ; Abstract #437

#### **8. A new approach to promote VEGF expression in hair follicle**

S Ratz<sup>1</sup> A Perrin,<sup>1</sup> C Meyrignac,<sup>1</sup> L Mur,<sup>1</sup> C Gondran,<sup>1</sup> C Dal farra<sup>2</sup> and N Domloge<sup>1</sup> <sup>1</sup> Global Skin Research Center, ISP Vincience, Sophia Antipolis, France and <sup>2</sup> ISP Corporate Research Center, ISP, Wayne, NJ; Abstract #438

#### **9. The Hairmax LaserComb enhances hair regrowth in post-chemotherapy alopecia**

R Rodriguez, TC Wikramanayake, LM Mauro, LA Schachner and JJ Jimenez *Department of Dermatology & Cutaneous Surgery, University of Miami, Miller School of Medicine, Miami, FL; Abstract #443*

**10. A Japanese case of monilethrix caused by compound heterozygous mutations in the desmoglein 4 (DSG4) gene**

M Farooq,<sup>1</sup> M Ito<sup>2</sup> and Y Shimomura<sup>1</sup> *1 Laboratory of Genetic Skin Diseases, Niigata University School of Medicine, Niigata, Japan and 2 Department of Dermatology, Niigata University School of Medicine, Niigata, Japan; Abstract #440*

**11. Intermediate hair follicles: A novel, androgen-responsive human model system**

BH Miranda, DJ Tobin, DT Sharpe and VA Randall *Centre for Skin Sciences, Plastic Surgery & Burns Research Unit, Bradford, United Kingdom; Abstract #471*

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**Annual General Meeting:**

- I. Call to Order
- II. Approval of Minutes from May 7, 2010, Annual General Meeting
- III. Report of the Secretary/Treasurer
  - a. FY2010 Balance Sheet
  - b. Announcement of New Members
- IV. Elections
- V. Mentorship Awards
- VI. New Business
- VII. Adjourn

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This meeting is open to all SID meeting registrants. To register for the SID meeting, go to:  
<http://www.sidnet.org/AnnualMeeting.aspx>