



2003 Posters

(*Farber Fellowship award recipients)

- 1. Derivation of melanocytes from human embryonic stem cells**
 Donald Fang*, Rena Finko, Kun Cai, and Meenhard Herlyn
The Wistar Institute, Philadelphia, PA, USA
- 2. Keratinocyte stem cells are protected from anoikis via an integrin signaling pathway: an insight into molecular mechanisms**
 Alessandra Marconi* and Carlo Pincelli
Department of Dermatology, University of Modena and Reggio Emilia, Modena, Italy
- 3. The murine dermis harbours cells with in vitro hematopoietic clonogenic potential**
 Simone Meindl*, Souyet Chang-Rodriguez, Georg Stingl, and Adelheid Elbe-Buerger
DIAID, Department of Dermatology, University of Vienna Medical School, Vienna, Australia
- 4. Functional characterization of the epidermal side-population: a candidate stem cell population**
 R.P. Redvers*, N. Pouliot, A. Li, and P. Kaur
Peter MacCallum Cancer Centre, Melbourne, Australia
- 5. Reconstituted skin from murine embryonic stem cells**
 Daniel Aberdam, Christelle Coraux, Caroline Hilmi, and Matthieu Rouleau
INSERM U386, Faculté Médecine, Nice, France
- 6. Characterization of a Lef-1 promoter segment that facilitates inductive developmental expression in mouse tissues**
 Ryan R. Driskell¹, Xiaoming Liu¹, Meihui Luo¹, Mohammed Filali¹, Duane Abbatt¹, Ningli Chen¹, and John F. Engelhardt^{1 2 3}
¹Department of Anatomy and Cell Biology, ²Department of Internal Medicine, ³Center for Gene Therapy of Cystic Fibrosis and Other Genetic Diseases, University of Iowa College of Medicine, Iowa City, Iowa, USA
- 7. Differential behavior of epidermal stem cells in wounds and ischemic limbs**
 Martine Dunnwald¹, Adam R. Mattox¹, Chunhua Jiao², Keri L. N. Mercer¹, and Gina C. Schatteman²
Joe Marshall Laboratory, ¹Department of Dermatology, ²Department of Exercise Science, University of Iowa College of Medicine, Iowa City, Iowa, USA

8. Analysis of the mouse epidermal stem cell: (1) Targeted elimination of the follicular label-retaining cells by photo-induced cell killing (2) Analysis of cellular heterogeneity in the basal layer of ear epidermis

Takashi Kameda¹, Shin Hatakeyama¹, Nakata Akira¹, Taketoshi Mizutani², Ying-Zhe Ma¹, Yoshihiko Kawarada¹, Makiko Kawamata¹, Kunihiro Terada¹, Hideo Iba², and Toshihiro Sugiyama¹

¹Department of Biochemistry, Akita University School of Medicine, Honda, Akita, Japan; ²Department of Microbiology and Immunology, Division of Host-Parasite Interaction, Institute of Medical Science, University of Tokyo, Tokyo, Japan

9. Effect of transforming growth factor- β on the proliferation and differentiation of multi-potential sphere colonies from skin

Yoko Kawase, Yasuo Yanagi, Manabu Fujimoto, and Hitoshi Okochi
Department of Regenerative Medicine, Research Institute, International Medical Center of Japan

10. Differential effects of specific p63 isoforms on keratinocyte biology

Kathryn E. King¹, Roshini Ponnampertuma¹, Toshiharu Yamashita², Takashi Tokino², Lela A. Lee³, Marian F. Young⁴, Wendy C. Weinberg¹
¹Center for Biologics Evaluation and Research - FDA, Bethesda, Maryland, USA; ²Sapporo Medical University School of Medicine, Sapporo, Japan; ³University of Colorado School of Medicine, Denver, Colorado, USA; ⁴National Institute of Dental and Craniofacial Research - NIH, Bethesda, Maryland, USA

11. BMP-4 promotes keratinocyte commitment of embryonic stem cells in part by stimulating neuronal apoptosis

Mathieu Rouleau, Karen Gambaro, Thierry Virolle, Virginie Virolle, David Momier, Daniel Aberdam
INSERM U385, Faculté Médecine, Nice, France

12. The role of stem cells in sunlight induced carcinogenesis

David Mitchell
Department of Carcinogenesis, University of Texas, M.D. Anderson Cancer Center, Houston, Texas, USA

13. Enrichment for living keratinocytes from hair follicle bulge with the cell surface marker CD34

Carol S. Trempus¹, Rebecca J. Morris², Carl D. Bortner¹, George Cotsarelis³, Randall Faircloth¹, Jeffrey M. Reece¹, and Raymond W. Tennant¹
¹National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, USA; ²Department of Dermatology, Columbia University, New York, New York, USA; ³Department of Dermatology, University of Pennsylvania Medical School, Philadelphia, Pennsylvania, USA

14. Th1 predominance of fluorouracil-induced discoid lupus erythematosus in TCR α chain knockout mouse

T. Yoshimasu^{1, 2}, A. Hiroi¹, N. Seo³, T. Ohtani¹, and F. Furukawa¹
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