

**Stay tuned for more awards from the 2007 meeting.**

**Awards will be presented on Monday, April 30 at 6:15pm.**

**Blue Ribbon Posters**

**Sunday, April 29, 2007, 7:00 to 8:30 am**

**Abstracts 94-102**

**94**

**INTRACELLULAR ATP DELIVERY CAUSES EXTREMELY FAST GRANULAR TISSUE GROWTH IN RABBITS**

Sufan Chien, MD, Michael Tseng, PhD, Ming Li, BS, Gordon Tobin, MD, Joseph Banis, MD. Department of Surgery and Department of Anatomic Science and neurobiology, University of Louisville, Louisville, KY

**95**

**ADENOSINE A2A RECEPTOR OCCUPANCY REGULATES EXPRESSION OF MULTIPLE GENES INVOLVED IN WOUND HEALING**

Hailing Liu, Maria Dolores Guerrero, Patricia Fernandez, Edwin Chan and Bruce Cronstein Department of Medicine, NYU School of Medicine, New York, NY 10016

**96**

**IN SITU PROTEOMICS OF WOUNDS USING FORMALIN FIXED PARAFFIN EMBEDDED TISSUE**

Patrick J. Parks M.D.,Ph.D. and Bathsheba Chong, Ph.D. 3M Medical Division (PJP) and Corporate Analytical Research Laboratory (BC)

**97**

**CHARACTERIZATION AND SAFETY OF A NOVEL DIVINYLSULFONE CROSSLINKED HYALURONAN GEL**

S.M. Dethlefsen, L.P. Yu, M. Hawes, P.A. Konowicz, M.J. Colt, R.L. Corazzini, and E.M. Skrabut <sup>1</sup>Genzyme Corporation, Cambridge, MA 02139

**98**

**OXIDATIVE STRESS IN THERMAL INJURY**

S. Bhat<sup>a</sup>, A. Parihar<sup>b</sup>, M. Parihar<sup>b</sup>, and S. M. Milner<sup>a,a</sup> Johns Hopkins Burn Center/ Michael D. Hendrix Burn Research Center, Baltimore, Maryland USA. <sup>b</sup>Davis Heart & Lung Research Institute, Ohio State University, Columbus, OH. USA

**99**

**PERSISTENT SKIN SANITIZER WITH SUSTAINED MICROBICIDAL PROPERTIES**

W. Toreki<sup>1</sup>, R. Carr<sup>1</sup>, B. Liesenfeld<sup>1</sup>, G. Schultz<sup>1,2</sup>, C. Batich<sup>1,2</sup>, J. Olderman<sup>1</sup>, D. Moore<sup>1</sup>, J. Vella<sup>1</sup>, <sup>1</sup>QuickMed Technologies, Gainesville, FL, <sup>2</sup>University of Florida, Gainesville, FL

**100**

**COMPARISON OF CELL VITALITY AND CHEMOKINE PRODUCTION BETWEEN CELLS EXPERIENCING NEGATIVE PRESSURE MANIFOLDED WITH DIFFERENT DRESSINGS**

Amy K. McNulty, Marisa Schmidt, Teri Feeley, Kris Kieswetter, Kinetic Concepts, Inc.

**101**

**COMPARISON OF CELL ENERGETICS BETWEEN CELLS EXPERIENCING NEGATIVE PRESSURE MANIFOLDED WITH V.A.C. 'GRANUFOAM' DRESSING VS. GAUZE**

Amy K. McNulty, Marisa Schmidt, Teri Feeley, Kris Kieswetter, Kinetic Concepts, Inc.  
**102**

**WOUND HEALING AFTER PHOTOCHEMICAL TISSUE BONDING**

Min Yao, Kenneth Bujold, Robert Redmond, Irene Kochevar. Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114

**Young Investigator Awards**

**Session Number: 41**

**Monday, April 30, 2007, 2:30 to 3:45 pm**

**Abstracts 30-37**

**30**

**CULTURED SKIN SUBSTITUTES (CSS): AN IDEAL MODEL FOR THE STUDY OF ANGIOGENESIS AND VASCULOGENESIS**

S.S. Vaikunth<sup>1</sup>, J. Parvadia<sup>1</sup>, A.R. Maldonado<sup>1</sup>, B. Kalinowska<sup>1</sup>, M. Ripberger<sup>1</sup>, A. Supp<sup>2</sup>, S.T. Boyce<sup>2</sup>, T.M. Crombleholme<sup>1</sup>, D. Supp<sup>2,1</sup> Cincinnati Childrens' Hospital Medical Center, Cincinnati, OH, USA <sup>2</sup>Shriners Hospital for Children, Cincinnati, OH, USA

**31**

**HEALING WOUND AS A TUMOR MICROENVIRONMENT NICHE**

Praveen R Arany<sup>1,2</sup>, Misako Sato<sup>1</sup>, Shawheen Shomolo<sup>1</sup>, Anita B Roberts<sup>1</sup>, 1. LCRC, NCI, NIH, Bethesda, MD 20892, 2. Present: BSDM, Harvard Dental School, Boston, MA

**32**

**VEGF PROMOTES MACROPHAGE APOPTOSIS THROUGH STIMULATION OF TUMOR NECROSIS FACTOR SUPERFAMILY MEMBER 14 (TNFSF14/LIGHT)**

Petreaca, M.L., Yao, M., and Martins-Green, M. University of California, Riverside

**33**

**SILICONE GEL OCCLUSION SUPPRESSES EPIDERMAL ACTIVATION IN A MURINE CUTANEOUS WOUND MODEL**

Clark F. Schierle MD PhD, Kristina O'Shaughnessy MD, Xian Z. Ding MD PhD, Robert D. Galiano MD, Thomas A. Mustoe MD Department of Surgery, Division of Plastic & Reconstructive Surgery Feinberg School of Medicine, Northwestern University Chicago, Illinois, USA

**34**

**STROMAL PROGENITOR CELLS (SPC) UPREGULATE SDF-1alpha (SDF-1α) PRODUCTION IN RESPONSE TO INFLAMMATION: A POTENTIAL MECHANISM FOR SPC MEDIATED ENHANCEMENT OF IMPAIRED WOUND HEALING**

A.T. Badillo, S. Chung, R.A. Redden, L. Zhang, E.J. Doolin, and K.W. Liechty, Children's Hospital of Philadelphia, Philadelphia, PA

**35**

**A NOVEL MURINE MODEL FOR CREATING PARTIAL THICKNESS DERMAL INJURY TO STUDY PROGENITOR CELL ACTIVITY IN WOUND HEALING**

JA Greco III<sup>1</sup>, DL Ellis<sup>2</sup>, JM Davidson<sup>3</sup>, LB Nanney<sup>1</sup> Departments of Plastic Surgery<sup>1</sup>,  
Dermatology<sup>2</sup>, and Pathology<sup>3</sup> Vanderbilt University Medical Center—Nashville, TN

**36**

**HYPERBARIC OXYGEN PROTECTS AGAINST OXIDATIVE DAMAGE  
THROUGH DOWN-REGULATION OF MAPK SIGNAL TRANSDUCTION**

Q Zhang, Q Chang, W Myers, LJ Gould University of Texas Medical Branch, Galveston,  
TX

**37**

**EARLY CELLULAR AND MOLECULAR EVENTS PRECEEDING WOUND  
REVASCULARIZATION**

Eunice S. Lee<sup>1,2</sup>, Ana E. Arias<sup>1</sup>, M. Rocio Sierra-Honigmann<sup>1</sup> Department of Surgery,  
Cedars Sinai Medical Center. <sup>2</sup>Mount Saint Mary's College. Los Angeles, CA.

**WHF -3M Young Investigator Awards**

*<http://woundhealfoundation.net/about/awards.htm>*