



**Northwestern University
Feinberg School of Medicine**

Division of Plastic and Reconstructive Surgery

1st Annual Research and Alumni Day

June 10, 2011

*Division of Plastic and Reconstructive Surgery
7th Annual Research and Alumni Day*

7:00 - 7:03

Welcome Remarks
Gregory A. Dumanian, MD; Division Chief

Block 1: Basic Science Research

7:04 - 7:12 The TallyHo Polygenic Mouse Model of Diabetes: Implications

in Wound Healing
Donald W. Buck II, MD; Da P. Jin, BS; Matthew Geringer, BS; Seok Jong Hong, PhD; Robert D. Galiano, MD; Thomas A. Mustoe, MD

7:13 - 7:21 COX-2 is Cytoprotective in Dermal Fibroblasts Undergoing

Hypoxia-Reoxygenation
Robert C. Fang, MD; Xian-Zhong Ding, MD, PhD; Robert D. Galiano, MD; Thomas A. Mustoe, MD

7:22 - 7:30 HMG-CoA reductase inhibitors (Statins): A novel approach to

preventing hypertrophic scar formation
Jason H. Ko, MD; Peter S. Kim, MD; Yann Zhao, MD; Seok Jong Hong, PhD; Thomas A. Mustoe, MD

7:31 - 7:39 Equivalent Effects of Topically Delivered Adipose-Derived

Stem Cells and Dermal Fibroblasts in the Ischemic Rabbit Ear Model for Chronic Wounds
Jordan P. Steinberg, MD, PhD; Seok Jong Hong, PhD; Matthew R. Geringer, BS; Robert D. Galiano, MD; Thomas A. Mustoe, MD

7:40 - 7:48 The Host Immune Response Fails to Prevent *Klebsiella*

pneumoniae from Rapidly Forming Biofilm in the Rabbit Dermal Ulcer Wound Model
Anandev N. Gurjala, MD; Matthew Geringer, BS; Robert D. Galiano, MD; Thomas A. Mustoe, MD; Kai P. Leung, PhD

7:49 - 7:57 Targeting Tension in Facial Aesthetic Surgery Scars

Madeleine J. Gust, MD; Anandev N. Gurjala, MD; Donald W. Buck II, MD; Thomas A. Mustoe, MD

7:58 - 8:06 A Mathematical Model Of Tissue Factor-Induced Blood

Coagulation: Discrete Sites Of Initiation And Regulation Under Conditions Of Flow
Sumanas W. Jordan, MD, PhD; Matthew A. Cortiere, MD, MS; Elliot L. Chaikof, MD

8:07 - 8:15 Breakfast

→ 8:25

Block 2: Clinical Research

8:16 - 8:24 The Bionic Leg: A Preliminary Study of Technique
8:26 8:34 Sonya P. Agnew, MD; and Gregory A. Dumanian, MD

8:25 - 8:33 Routine Use of Bioprosthetic Mesh is Not Necessary
8:35 44 Jason M. Souza, MD; and Gregory A. Dumanian, MD

8:34 - 8:42 An Evaluation of the Use of Chitosan-Based Hemostatic
8:44 52 Dressings to Facilitate Safe, Effective Debridement of Chronic Wounds in the Operating Room and at the Bedside

8:43 - 8:51 Development and Outcome of the Patient-Specific Distractor
8:53 41 Marco E. Ellis, MD; Pravin K. Patel, MD, Limping Zhao, PhD; Andrew M. Christensen, BS

8:52 - 9:00 The Mustoe Modification of the Limited Incision Brow Lift
9:02 9:15 Thomas A. Mustoe, MD; Jennifer E. Chesborough, MD; Donald W. Buck II, MD

9:01 - 9:09 Breast implant procedures performed under conscious sedation:
9:11 9:14 A six-year experience in 461 patients

9:10 - 9:18 Additive risk of tumescent technique in patients undergoing
9:20 9:28 mastectomy with immediate reconstruction

9:19 - 9:27 Risks Factors for Burnout: Outcomes of a National Survey of
9:29 9:37 Practicing Plastic Surgeons

9:28 - 9:55 Keynote Speaker
9:38 B. Herold Griffith, MD, FACS

9:56 - 10:00 Award Announcement, followed by Division photograph
Professor and Chief Emeritus, Division of Plastic & Reconstructive Surgery

Vinay Rawlani, MD; Roshni Rawlani; Caitlin M. Connor, BA; Gregory A. Dumanian, MD; John Y.S. Kim, MD