Key locations

July 31, 2006
Registration Reception
University Park Marriott Hotel
Research Park
400 South Wakara Way
Salt Lake City, Utah 84108
Phone: (801) 581-1000

August 1-3, 2006
Symposium Meetings
John A Moran Eye Center
University of Utah School of Medicine
65 North Medical Drive
Salt Lake City, Utah 84132
Phone: (877) 248-6374 or (801) 581-7200

August 1, 2006
Dinner
University Park Marriott Hotel
Research Park
400 South Wakara Way
Salt Lake City, Utah 84108
Phone: (801) 581-1000

August 2, 2006
Dinner
Red Butte Gardens
300 Wakara Way
Salt Lake City, Utah 84108
Phone: (801) 581-4747

August 3, 2006
Grand Opening Gala
Grand America Hotel
555 Main Street
Salt Lake City, Utah 84111
Phone: (801) 258-6000
Meeting Itinerary

31 July 2006
0500 – 0800pm Registration Reception at University Park Marriott Hotel
0500 – 0800pm Building Tours at John A Moran Eye Center

1 August 2006
0700 – 0800am Continental Breakfast at John A Moran Eye Center
0700 – 0900am Registration at John A Moran Eye Center

Meeting Introductions
0800 – 0815am Welcome - Randall J Olson, MD, John A Moran Eye Center
0815 – 0830am Introduction - Raymond D Lund, PhD, John A Moran Eye Center
0830 – 0845am Overview - Alan Bird, MD, Univ College, London, Inst Ophthalmology

The Normal Retina
0845 – 0900am Introduction - Helga Kolb, PhD, John A Moran Eye Center
0900 – 0935am Heinz Wässle, PhD, Max-Planck-Inst for Brain Research
The Primordial Blue-Cone Color System of the Mouse Retina
0935 – 1010am Richard H Masland, PhD, Mass Gen Hosp, Howard Hughes Medical Institute
Neuronal Populations Of The Retina
1010 – 1025am Break
1025 – 1100am Monica L Vetter, PhD, Univ Utah, Dept. of Neurobiology & Anatomy
Becoming Neural in the Developing Retina
1100 – 1145am Helga Kolb, Heinz Wässle, Richard Masland, Monica Vetter
Session Discussion

The Injured Retina
1145 – 1200pm Introduction - Wolfgang Baehr, PhD, John A Moran Eye Center
1200 – 1235pm Amir Rattner, PhD, Johns Hopkins Med Sch
The Genomic Response to Retinal Disease And Injury: Evidence for Endothelin Signaling from Photoreceptors to Glia
1235 – 0135pm Lunch
0135 – 0210pm Dean Bok, PhD, UCLA, Jules Stein Eye Institute
Fundamental Vision Research: Translation of Its Contributions into Treatment of Human Disease
0210 – 0245pm Robert E Marc, PhD, John A Moran Eye Center
Retinal Remodeling
0245 – 0320pm Steven K Fisher, PhD, UCSB, Neuroscience Research Institute
Cellular Remodeling in the Injured Adult Mammalian Retina: Retinal Detachment as a Model System
0320 – 0335pm Break
0335 – 0420pm Wolfgang Baehr, Amir Rattner, Dean Bok, Robert Marc, Steven Fisher
Session Discussion

Replacement and Rescue
0420 – 0435pm Introduction - Richard Normann, PhD, John A Moran Eye Center
0435 – 0510pm Joe Rizzo, MD, Mass Eye & Ear Infirmary, Dept. of Ophthalmology

tba
0510 – 0545pm Mark S. Humayun, MD, PhD, Doheny Eye Institute, Retina Institute
Results from a Chronically Implanted 16-Channel Epiretinal Prosthesis in Blind Subjects
0630pm Science Conference Banquet for Scientists at University Park Marriott
### Rescue and Replacement

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
<th>Topic</th>
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<tbody>
<tr>
<td>0800</td>
<td>Introduction - Edward Levine, PhD, John A Moran Eye Center</td>
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<tr>
<td>0815</td>
<td>Matthew LaVail, PhD, UCSF, Dept. of Ophthalmology</td>
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<td>Neuroprotective Therapy for Retinal Degenerations</td>
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<tr>
<td>0850</td>
<td>William W. Hauswirth, PhD, Univ. of Florida, Dept. of Ophthalmology</td>
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<td>Gene Therapy for Recessive Retinal Degeneration</td>
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<tr>
<td>0925</td>
<td>Gustavo Aguirre, VME, PhD, Univ Pennsylvania, Sch of Veterinary Medicine</td>
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<td>From the Bench to the Bedside: Translational Approaches for the Treatment of Retinal Diseases using the Canine Model</td>
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<td>1000</td>
<td>Rescuing Photoreceptors from Degeneration in the RCS Rat</td>
<td>John A Moran Eye Center</td>
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<td>1035</td>
<td>Raymond D. Lund, PhD, John A Moran Eye Center</td>
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<tr>
<td>1050</td>
<td>Thomas A Reh, PhD, Univ of Washington, Dept of Neurobiology &amp; Behavior</td>
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<td>The Use of Human Embryonic Stem Cells in the Treatment of Retinal Degeneration</td>
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<tr>
<td>1125</td>
<td>Richard Normann, Joe Rizzo, Mark Humayun, Matthew LaVail, William Hauswirth, Gustavo Aguirre, Raymond Lund, Thomas Reh</td>
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**Session Discussion**

1210 – 0110pm Lunch

### Clinical Treatments

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<th>Time</th>
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<tr>
<td>0110</td>
<td>Introduction - Paul Bernstein, MD, PhD, John A Moran Eye Center</td>
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<tr>
<td>0125</td>
<td>Eric Pierce, MD, PhD, Univ Penn, Kirby Center for Molecular Ophthalmology</td>
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<td>Quantitative Aspects of Therapies for Retinal Degenerations: Insights from Proteomic Analyses</td>
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<td>0200</td>
<td>Kang Zhang, MD, PhD, John A Moran Eye Center</td>
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<td>Human Disease Gene Discovery And Mouse Models For Retinal Degeneration</td>
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<td>0235</td>
<td>Gregory S Hageman, PhD, Univ of Iowa, Dept of Ophthalmology</td>
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<td>Aberrant Complement Activation And Regulation In Age-Related Macular Degeneration</td>
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<td>0310</td>
<td>Paul Bernstein, MD, PhD, John A Moran Eye Center</td>
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<td>HPLC Measurement of Ocular Carotenoid Levels in Human Donor Eyes in the Lutein Supplementation Era</td>
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<tr>
<td>0345</td>
<td>Peter A Campochiaro, MD, Johns Hopkins Med Sch, Dept Ophthalmology</td>
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<td>New Treatments For Choroidal Neovascularization</td>
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<td>0435</td>
<td>Paul A Sieving, MD, PhD, National Eye Institute, National Institutes of Health</td>
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<td>Therapeutic Strategies For Photoreceptor Neurodegenerative Retinal Dystrophies</td>
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<td>0510</td>
<td>Paul Bernstein, Eric Pierce, Kang Zhang, Gregory Hageman, Peter Campochiaro, Paul Sieving</td>
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**Session Discussion**

0645 Dinner for Presenters at Red Butte Gardens
3 August 2006

**Grand Opening of the New John A Moran Eye Center, Poster Sessions, Building Tours**

0900 – 1000am Grand Opening Ceremonies
1000 – 1100am Building Tours
1100 – 0100pm Poster Sessions with Lunch

**Translational Research and the Patient**

0100 – 0115pm Introduction - Randall J Olson, MD, John A Moran Eye Center
0115 – 0130pm Alan Bird, MD, Univ College, London, Inst Ophthalmology

*Pathogenesis Of Geographic Atrophy*

0130 – 0145pm Carmen A Puliafito, MD, Univ Miami, Bascom Palmer Eye Institute

*The Future of Retinal Imaging and Its Role In Clinical and Laboratory Research*

0145 – 0200pm David Sundwall, MD, Executive Director, Utah Dept Health
0200 – 0215pm Julian Gangolli, Senior Vice President, Allergan
0215 – 0230pm Stephen M Rose, PhD, Foundation Fighting Blindness
0230 – 0330pm Randall Olson, Alan Bird, Carmen Puliafito, David Sundwall, Julian Gangolli, Stephen Rose

0330pm Closing remarks - Robert Marc, PhD, John A Moran Eye Center

**Grand Opening Gala at the Grand America Hotel**

0600 – 0700pm Reception
0700 – 0110pm Dinner, Entertainment, Dancing