

Retina Prosthesis Symposium

Sunday, July 25 and Tuesday, July 27, 2004

Symposium Organizer: Frank S. Werblin, U.C. Berkeley

Public Lecture on Sunday, July 25 at 6:00 p.m.

Mark Humayun, D. Yanai, R.J. Greenberg*, J. Little*, B.V. Mech*, M. Mahadevappa, J.D. Weiland, G.Y. Fujii, E. de Juan, Jr.: *Clinical results with the Model 1 IRP implant*; Ophthalmology, Keck School of Medicine of the University of Southern California Doheny Retina Institute, Doheny Eye Institute, Los Angeles, CA; *Second Sight LLC, Sylmar, CA

Invited Symposium Lectures on Tuesday, July 27 (10:00 – 16:00, 40 minutes lectures each)

Reinhard Eckhorn, M. Eger, M. Wilms, and T. Schanze: *Information transmission from a retina implant to the cat visual cortex*; Philipps – University Marburg

Rolf Eckmiller, D. Neumann, and O. Baruth: *Concerning the Mapping of ambiguous Retinal Output Vectors onto unambiguous Visual Percepts*; Department of Computer Science University of Bonn

Shelley Fried, T. Kubow, F.S. Werblin: *Complex synaptic activation of bipolar, amacrine and ganglion cells is elicited with biphasic electrical stimulation*; U.C. Berkeley

J. Salzmann^{1,3}, P. Linderholm², M. Paques³, M. Simonutti³, J.A. Chiappore³, AB Safran¹, P. Renaud², J. Sahel³, **Serge Picaud**³: *In vivo evaluations of retinal prostheses*; 1 Geneva University Eye Clinic, Geneva, 2 Microsystems Unit, Ecole Polytechnique Fédérale, Lausanne, 3 Laboratoire de physiopathologie cellulaire et moléculaire de la rétine, INSERM U-592, Paris

John Wyatt: *Design of a new subretinal implant for prosthetic vision*, Massachusetts Institute of Technology, MA

Eberhart Zrenner¹, V.P. Gabel³, F. Gekeler¹, H.G. Graf⁴, H. Gruber⁴, H. Hämmerle², K. Kohler¹, W. Nisch², H. Sachs³, H. Sailer², K. Shinoda¹, A. Stett², B. Wilhelm^{1*}: *From passive to active subretinal implants, serving as adapting electronic substitution of degenerated photoreceptors*; ¹ University Eye Hospital Tuebingen, Dept. II, ^{1*} Steinbeis Transfer Centre for Biomedical Optics and Function Testing, ² Natural and Medical Institute Reutlingen, ³ University Eye Hospital Regensburg, ⁴ Institute for Microelectronics, University of Stuttgart

Panel discussion on Tuesday, July 27 , 16:30-17:30

Moderator: Frank S. Werblin