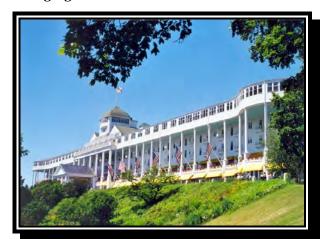
## 4th Mayo Clinic Angiogenesis Symposium:

## Angiogenesis and Tumor Microenvironment: Clinical Outcomes, Similarities, and Discrepancies



August 27-29, 2010 Grand Hotel Mackinac Island, Michigan



**Program Directors:**Debabrata Mukhopadhyay, Ph.D.
Philip Greipp, M.D.

For the first year, the Mayo Clinic Angiogenesis Symposium was located offsite from the Mayo Clinic Rochester campus on beautiful Mackinac Island at the famous Grand Hotel. The weather was beautiful, and bicycles and horse drawn wagons were the predominant means of transportation since no automobiles are allowed on the island. It was a huge success with many favorable comments about the site and the meeting content from faculty and attendees alike. One of the positive things that repeatedly sets this conference apart from similar meetings is the amount of very new, unpublished data that is discussed by leaders in the field. Both basic science and clinical experts in the field of angiogenesis were present to exchange ideas and science involving basic biology, pathways of angiogenesis, and new anti-angiogenic agents for specific targeting of tumor blood vessels and stroma. In addition, the clinician scientists presented the results of ongoing clinical trials on anti-angiogenic therapy. Novel genetic and imaging methods to assess tumor vasculature for monitoring the effectiveness of angiogenic response in the preclinical and clinical trials were also discussed at this symposium.



(Dr. Watson, K. O'Connor-Urban, Dr. Kalluri)



(Dr. Cheresh)



(Drs. Alitalo, Mukhopadhyay, Dvorak)

Attendance numbers were lower than prior years but included 80-90 researchers and clinicians and 38 world-renowned speakers. Among these world-renowned speakers was non other than *Nobel Laureate* Dr. James Watson (CSHL) who served as Chair of the *Folkman Lecture* and gave introductory comments on the field of angiogenesis. Dr. Raghu Kalluri (Harvard) presented the *Judah Folkman Lecture* on the topic of tumor microenvironment, cancer progression, and metastasis. The *Keynote Lecture* on Friday afternoon was given by Dr. David Cheresh (UCSD); and following a poster session and dinner, two *Break-Out Sessions* on Friday evening discussed capillary leak syndrome (Chair: Dr. Philip Greipp) and nanomedicine and tumor microenvironment (Chair: Dr. Dev Mukhopadhyay). This year's *Michael A. O'Connor Awardees*, Drs. Kari Alitalo (Univ. Helsinki) and S. Vincent Rajkumar (Mayo Clinic), gave lectures to

close the symposium on Sunday. The poster sessions included oral presentation highlights from three *Michael A. O'Connor Young Investigator Award* recipients prior to the banquet on Saturday evening. Several *Travel Awards* were also sponsored through the continued generosity of Mrs. Karen O'Connor-Urban. This symposium is unique that it continues to provide access for young investigators to gather current and relevant information from leading national, international, and Mayo Clinic experts in the field.



(Dr. Rajkumar, K. O'Connor-Urban, Dr. Greipp)



(K. O'Connor-Urban, Young Investigator & Travel Awardees)