

86th annual
McGill–Montreal
Chapter
Banquet Lecture
&
Banquet
Friday, 18th April, 2008

Brief report on activities and pictures

86th Annual McGill -Montreal Chapter Banquet Lecture



Our Speaker Dr. Paul Wiseman with Dr. Grazyna Wilczek

Dr. Wiseman currently on sabbatical and recently returned from California gave the Banquet Talk in the McCord Museum. Dr. Wiseman discussed his research relating to optical microscopy and the eventual goal of viewing the choreography of the dynamic dance of life inside cells down to the level of individual macromolecules. He discussed the current limitations relating to light microscopy as well as new approaches aiming to overcome some of the limitations. He showed how techniques such as confocal laser-scanning microscopy, nonlinear

microscopy and total internal reflection fluorescence (TIRF) microscopy could image living cells allowing the observation of the active migration of cells and insights into the mechanism of such motion. He also talked about the use of such methods to track the movement of individual macromolecules with a precision far below the optical diffraction limit by using single molecule methods in combination with optical microscopy. The talk concluded with recent work relating to malaria detection systems Dr. Wiseman's laboratory is working on using the optical microscopy methods described in his talk.



Micheal Hell from Germany receiving his certificate from Prof. Whitehead



Dr. Robert Boilly winner of the John P McGovern Science and Society award addresses the chapter about his joy of communicating science to the general public in the great Sigma Xi tradition.



Dr. Paul Wiseman enchanting his table at the banquet.



From Left to right: President Juan Vera, Secretaries Angela Vavassis and Zahid Mahimwalla, Dr. Victoria Dickenson, Micheal Hell, Xiayou (Peter) Lu.



Our New Council Member Dr. Audrey Moores is introduced by our Co-Treasurer Dr. Grazyna Wilczek.