

4 - 5 JUNE 2009  
THE ROYAL SWEDISH ACADEMY OF SCIENCES, STOCKHOLM, SWEDEN

## Molecular Frontiers Symposium and Youth Forum

*"Of Molecules and Minds – The Machinery of Our Senses and Emotions"*

### THURSDAY, JUNE 4 MORNING SESSION

- 9.00 *Gunnar Öquist*, Academy's General Secretary, Opening of Symposium  
9.10 The molecular basis of mechano-sensitivity - *Ching Kung*  
10.00 Coffee Break  
10.20 Common sense about taste - from the tongue to the brain - *Charles Zuker*  
11.10 Molecules of vision and their evolution - *Trevor D. Lamb*

### THURSDAY, JUNE 4 AFTERNOON SESSION

- 13.30 *Ahmed Zewail*, Chairman of Molecular Frontiers' Scientific Advisory Board.  
Announcement of the 2009 winners of Molecular Frontiers Inquiry Prize.  
Open discussion about future prospects for Molecular Frontiers.  
14.20 Sex battles in the brain - *Catherine Dulac*  
15.10 Coffee Break  
15.40 Fifty years of solitude: Deconstructing an olfactory circuit for social behavior -  
*Cori Bargmann*  
16.30 From peppers to peppermints: natural products as probes of the pain pathway  
*David Julius*  
17.20 Molecular fMRI - seeing emotions - *Raymond Dolan*  
18.10 Concluding Remarks

### FRIDAY, JUNE 5 MORNING SESSION

- 9.00 Structure and biophysics of nerve impulse propagation - *Roderick MacKinnon*  
10.00 Molecular memories and protein conformation cascades - *Susan Lindquist*  
10.50 Temporal and spatial measurements of single exocytosis events - *Andrew Ewing*  
11.25 Running for your mind... - *Rolf Ekman*

### FRIDAY, JUNE 5 AFTERNOON SESSION

- 13.30 Forum LIVE!  
14.50 Coffee  
15.10 Panel Discussion  
16.00 End of Symposium and Forum

Free admission but please register at [www.kva.se](http://www.kva.se) (under "Events"/ "Evenemang") no later than 29 May, 2009. Participants are asked to make their own lunch arrangements.  
For more information contact [helena.ledmyr@kva.se](mailto:helena.ledmyr@kva.se), 08 - 673 95 91

Welcome!

MOLECULAR  FRONTIERS