

Date: 23-25 May 2011

Location: The Royal Swedish Academy of Sciences, Lilla Frescativägen 4A, Stockholm.



**KUNGL.
VETENSKAPS-
AKADEMIEN**

THE ROYAL SWEDISH ACADEMY OF SCIENCES

Molecular Frontiers Symposium 2011: *Origin of Life and Molecular Evolution*

Detailed program for speakers, invited academicians and guests of Molecular Frontiers

Monday 23 May

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|------------------|---|
| 1.00 - 1.45 p.m. | Synthetic genomics
Craig Venter |
| 2.00 - 2.45 p.m. | Reconstructing the first cells
Jack Szostak |
| 3.00 - 3.30 p.m. | Break |
| 3.30 -4.15 p.m. | Noncoding RNAs: with a viral twist
Joan Steitz |
| 4.30-6.00 p.m. | Molecular Frontiers Scientific and Strategic Advisory Boards Meeting |
| 6.30 p.m. | Dinner at Klubbvillan for Speakers, invited Academicians and guests of Molecular Frontiers |

Tuesday 24 May

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|------------------------|--|
| 9.30 - 10.00 a.m. | Coffee and tea |
| 10.00 - 10.45 a.m. | The phylogenomic roots of modern biochemistry
Gustavo Caetano-Anolles |
| 11.00-11.45 a.m. | The generation of prebiotic molecules in cometary impacts
Jennifer Blank |
| 12.00 a.m. - 1.30 p.m. | Lunch at Klubbvillan |
| 1.30 - 2.14 p.m. | Evolution of nucleic acids under abiological conditions
Gerald Joyce |
| 2.30 - 3.15 p.m. | On the emergence of life through "negative" entropy trapping
Michael Russel |
| 3.30 - 4.00 p.m. | Break |
| 4. 00 - 4.45 p.m. | Lamarck redux: Prions, Hsp90, and the inheritance of environmentally acquired traits
Susan Lindquist |
| 5.00-6.30 p.m. | Youth Forum and announcement of Molecular Frontiers Inquiry Prize winners |
| 7.00 p.m. | Dinner at Klubbvillan |



Wednesday 25 May

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| 9.30 - 10.00 a.m. | Coffee and tea |
| 10.00 - 10.45 a.m. | Hunting the Molecular Past
Eske Willerslev |
| 11.00 -11.45 a.m. | Evolution differently: the origins of prokaryotes
Charles Kurland |
| 12.00 a.m. -1.00 p.m. | Concluding discussions and questions from the young audience |
| 1.00 p.m. | End of Symposium |