



KONINKLIJKE NEDERLANDSE  
AKADEMIE VAN WETENSCHAPPEN

INVITATION

# EVOLUTIONARY MEDICINE

Dr Darwin,  
I presume?



April 1, 2010  
Trippenhuis, Amsterdam

ROYAL NETHERLANDS ACADEMY OF ARTS AND SCIENCES





The role of evolution in health and disease is a relatively neglected area of research. In daily practice of clinical medicine virtual no attention is paid to the notion that modern human disease often has an important evolutionary component. This symposium is meant to explore the effects of evolution on human health and will attempt to bring together the available information from different disciplines.

**Convenors:**

Jos W.M. van der Meer  
Jan P. Vandenbroucke  
Mihai G. Netea  
Rudy Westendorp

Information and registration at [a.peters@aig.umcn.nl](mailto:a.peters@aig.umcn.nl)  
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Admission is free





# KNAW CONFERENCE: EVOLUTIONARY MEDICINE

*Trippenhuis*

Kloveniersburgwal 29, Amsterdam

## PROGRAMME

- |       |                                |                     |
|-------|--------------------------------|---------------------|
| 9.30h | Introduction                   | J.W.M. van der Meer |
| 9.45h | What is Evolutionary Medicine? | J. Laman            |

### **Session 1: Human history (convenor: J.W.M. van der Meer)**

- |        |                                     |              |
|--------|-------------------------------------|--------------|
| 10.15h | The descent of Homo sapiens         | W. Roebroeks |
| 10.45h | Genetics and history in East-Africa | H. Hassan    |
| 11.15h | Tea/Coffee                          |              |

### **Session 2: Lifestyle, nutrition and old age (convenor: R. Westendorp)**

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|--------|--|---------------|
| 11.30h | Obesity: evolution of a symptom of affluence | H. Pijl       |
| 12.00h | Evolution of celiac disease genes            | C. Wijmenga   |
| 12.30h | The evolution of longevity                   | R. Westendorp |
| 13.00h | Lunch  |               |

### **Session 3: Of host and pathogens (convenor: J.P. Vandenbroucke)**

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|--------|------------------------------------|--------------------|
| 14.30h | The phylogeny of IL-1 family       | C.A. Dinarello     |
| 15.00h | Evolution of human viral pathogens | R. Fouchier        |
| 15.30h | Evolutionary and innate immunity   | M.G. Netea         |
| 16.00h | Coffee/Tea                         |                    |
| 16.30h | <b>Keynote Lecture</b>             |                    |
|        | Language and genes                 | P. de Knijff       |
| 17.30h | Concluding remarks                 | J.P. Vandenbroucke |



