



# Fondation Francqui-Stichting

Fondation d'Utilité Publique - Stichting van Openbaar Nut

## *Expression and Function of Surface Proteins in Trypanosoma Brucei*

*(Fondation Universitaire May 26-27, 1997)*

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### *Programme*

**Monday, May 26, 1997**

#### *Introductory words*

08:30 : Baron **Jacques Groothaert**, President of the Francqui Foundation

08.45 : Professor **Etienne Pays**, Université Libre de Bruxelles, Brussels, Belgium

#### *Morning session : Antigenic variation*

Chairman : Professor **N. Van Meirvenne**, Instituut voor Tropische Geneeskunde « Prins Leopold », Antwerp, Belgium

09.00-09.45 : Professor **Pieter Overath**, Max-Planck-Institut für Biologie, Tübingen, Germany  
*Trypanosome phylogeny and the origin of antigenic variation*

09.45-10.30 : Professor **John Donelson**, University of Iowa and Howard Hugues Medical Institute, Iowa City, USA - *Multiple mechanisms of immune evasion by African trypanosomes*

10.30-11.00 : Coffee Break

11.00-11:45 : Professor **Piet Borst**, The Netherlands Cancer Institute, Amsterdam - *Control of VSG expression sites ; the role of the unusual base J.*

11.45-12.30 : Professor **Georges Cross**, The Rockefeller University, New York, USA - *Regulation of VSG expression site transcription and switching*

12.30-14.00 : Lunch

#### *Afternoon session : Controls of gene expression*

Chairman : Professor **D. Le Ray**, Instituut voor Tropische Geneeskunde « Prins Leopold », Antwerp, Belgium

14.00-14.45 : Professor **David J. Barry**, University of Glasgow - The Anderson College, Glasgow, UK - *Expression of metacyclic VSG genes in Trypanosoma brucei*

14.45-15.30 : Professor **Luc Vanhamme**, Université Libre de Bruxelles, Brussels, Belgium - *Genetic controls of VSG gene expression*

15.30-15.45 : Professor **Magali Berberof**, Université Libre de Bruxelles, Brussels, Belgium - *The procyclin terminator*

15.45-16.15 : Coffee Break

16.15-17.00 : Professor **Isabel Roditi**, Institut für Allgemeine Mikrobiologie, Bern, Switzerland - *Unravelling the procyclin coat*

17.00-17.45 : Professor **Christine Clayton**, Universität Heidelberg, Germany - *PARP gene expression : control at many levels*

18.00 : Cocktail

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## Tuesday, May 27, 1997

*Morning session : Anchoring and trafficking of surface molecules*

Chairman : Professor **L. Cardoso de Almada**, Brussels and São Polo

08.30-09.15 : Professor **Michael Ferguson**, University of Dundee, Scotland, UK - *The structure and biosynthesis of GPI membrane anchors in trypanosomes*

09.15-10.00 : Professor **Paul Englund**, Johns Hopkins University, Baltimore, USA  
*-Trypanosomes and myristate*

10.10-10.45 : Professor **Mark Carrington**, University of Cambridge, UK - *The function of the GPI-PLC*

10.45-11.15 : Coffee Break

11.15-12.00 : Professor **Paul Voorheis**, University of Dublin, Ireland - *The short-term defences of Trypanosoma brucei against host antibodies*

12.00-12.45 : Professor **Théo Baltz**, Université de Bordeaux II, France - *Glucose transporters in trypanosomes and glycolytic enzymes as targets for trypanocidal drugs*

12.45-14.00 : Lunch

*Afternoon session : Workshop*

Chairman : Professor **Etienne Pays**, Université Libre de Bruxelles, Brussels, Belgium

14.00-14.15 : Professor **Gloria Rudenko**, The Netherlands Cancer Institute, Amsterdam - *Switching between VSG expression sites*

14.15-14.30 : Professor **Miguel Navarro**, The Rockefeller University, New York, USA - *Chromatin structure analysis of VSG expression site*

14.30-14.45 : Professor **Sheila Graham**, University of Glasgow, The Anderson College - UK - *Functional analysis of a metacyclic VSG gene promoter*

14.45-15.00 : Professor **Elizabeth Wirtz**, The Rockefeller University, New York, USA - *Probing epigenetic control and regulating gene expression with T7 transcription*

15.00-15.15 : Professor **D. Perez-Morga**, Université Libre de Bruxelles, Brussels, Belgium  
*Mitochondrial reactivation by a protein interacting with pESAG8*

15.15-15.30 : Professor **Frédéric Bringaud**, Université de Bordeaux II, France - *Organization of the region containing glucose transporter genes in the genome of trypanosomatids*

15.30-15.45 : Professor **Helena Webb**, University of Cambridge, UK - *The regulation of expression of the GPI-PLC gene*

15.45-16.15 : Coffee break

16.15-16.30 : Professor **Etienne Pays**, Université Libre de Bruxelles, Brussels, Belgium - *A receptor as VSG, the VSG as receptor*

16.30-16.45 : Professor **Stefan Magez**, Vrije Universiteit Brussel, Belgium - *Interactions between Trypanosoma brucei, macrophages and TNF*

16.45-17.00 : Professor **Iris Ansorge**, Universität Heidelberg, Germany - *Expression and trafficking of the trypanosome transferrin receptor*

17.00-17.15 : Professor **Elaine Brabazon**, University of Dublin, Ireland - *Fate of the VSG partner in VSG-Ig complexes on the surface of Trypanosoma brucei*

17.15-17.30 : Professor **David Nolan**, Université Libre de Bruxelles, Brussels, Belgium - *New invariant surface glycoproteins of Trypanosoma brucei*

17.30-17.45 : Professor **Jan Van den Abbeele**, Instituut voor Tropische Geneeskunde « Prins Leopold », Antwerp, Belgium - *Revisiting Trypanosoma brucei development in the tsetse fly*

17.45-18.00 : Concluding remarks