

# Preliminary Program

## International Symposium

Role of blood group antigens and associated molecules in red cell biology: from molecular approaches to clinical applications

## September 15

<b>13:30-14:30</b>	<b>Reception of the participants</b>
<b>14:30-18:00</b>	<b>Session 1: Red Cell Skeleton I</b> <b>Chair: MC Lecomte/J Chasis</b>
<b>14:30</b>	<i>Antony Baines (Canterbury, UK)</i> Plenary Lecture: Structure of the red cell membrane
<b>15:00</b>	<i>Velia Fowler (San Diego, USA)</i> Actin filament regulation in red blood cells
<b>15:25</b>	<i>Phil Low (West Lafayette, USA)</i> Adducin in the architecture of the red cell membrane
<b>15:50-16:10</b>	Coffee Break
<b>16:10</b>	<i>Emilie Gauthier (Paris, France)</i> Phosphorylation of protein 4.1
<b>16:35</b>	<i>Athar Chishti (Chicago, USA)</i> Signaling functions of erythrocyte p55
<b>17:00</b>	Oral presentations
<b>18:00</b>	End of the session
<b>19:00</b>	<b>Cocktail/Dinner</b>

## September 16

<b>09:00-12:10</b>	<b>Session 2: Erythropoiesis I</b> <b>Chair: O Hermine/JP Cartron</b>
<b>09:00</b>	<i>Luc Douay (Paris, France)</i> Plenary Lecture: <i>In vitro</i> erythropoiesis and transfusion
<b>09:30</b>	<i>David Anstee, (Bristol, UK)</i> Production of red cells from ES and iPS
<b>09:55</b>	<i>Joel Ann Chasis (San Francisco, USA)</i> Erythroblastic islands
<b>10:20-10:40</b>	Coffee Break
<b>10:40</b>	<i>Lydie Da Costa (Paris, France)</i> Blackfan Diamond disease
<b>11:05</b>	<i>Jeffrey Miller (Bethesda, USA)</i> Utilizing the erythroid transcriptome for clinical research
<b>11:30</b>	Oral presentations
<b>12:10-14:00</b>	Lunch
<b>14:00-15:40</b>	<b>Session 3: Red Cell membrane disorders</b> <b>Chair : C Le Van Kim</b>
<b>14:00</b>	<i>Luanne Peters (Bar Harbor, USA)</i> Plenary Lecture: Animal models of red cell membrane protein deficiency
<b>14h30</b>	<i>Achille Iolascone (Naples, Italy)</i> Hereditary spherocytosis
<b>14:55</b>	<i>Yves Colin (Paris, France)</i> Red cell adhesion in diseases
<b>15:20</b>	Oral presentation
<b>15:40-16:00</b>	Coffee break

### Organization committee:

Caroline Le Van Kim,  
Yves Colin,  
Marie Christine Lecomte,  
Catherine Etchebest,  
Philippe Rouger  
(Inserm U665, INTS, Paris).

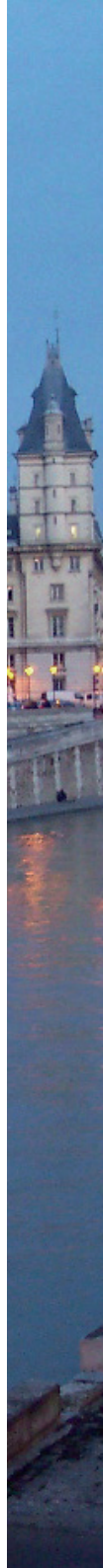
### Scientific committee:

Yves Colin  
(Inserm U665, INTS, Paris)  
Catherine Etchebest  
(Inserm U665, INTS, Paris)  
Olivier Hermine  
(Necker Hospital, Paris)  
Caroline Le Van Kim  
(Inserm U665, INTS, Paris)  
Marie-Christine Lecomte  
(Inserm U665, INTS, Paris)  
Narla Mohandas  
(New York Blood Center, USA)  
Michael Nilges  
(Pasteur Institute, Paris)

- 16:00-18:00 **Session 4: High throughput approaches**  
**Chair: P Low**
- 16:00 *Paul Henri Romeo (Fontenay aux Roses, France)*  
 Red cell metabolome
- 16:25 *Erica Pasini (Rijswijk, The Netherlands)*  
 Red cell proteome
- 16:50 *Bach - Nga Pham (Paris, France)*  
 High throughput blood group genotyping
- 17:15 Oral presentations
- 18:00 End of the session

## September 17

- 09:00-10:20 **Session 5: Erythropoiesis II**  
**Chair: P H Roméo**
- 09:00 *Olivier Hermine (Paris, France)*  
 Plenary lecture: Erythropoiesis
- 09:30 *Theodosia Kalfa (Cincinnati, USA)*  
 Rac GTPases in erythropoiesis
- 09:55 *Michel Vidal (Montpellier, France)*  
 Exosomes in erythropoiesis
- 10:20-10:40 Coffee break
- 10:40-12:30 **Session 6: Red Cell Skeleton II**  
**Chair: C Etchebest**
- 10:40 *Antony Baines (Canterbury, UK)*  
 Evolution of the spectrin family
- 11:05 *Dina Mirijanian (Berkeley, USA)*  
 Spectrin dynamics
- 11:30 Oral presentations
- 12:30-14:00 Lunch
- 14:00-15:15 **Session 7: Transport**  
**Chair: M Nilges**
- 14:00 *Naomie Taylor (Montpellier, France)*  
 Erythroid glucose transporters
- 14:25 *Simon Bernèche (Basel, Switzerland)*  
 Mechanism of ammonium transport
- 14:50 *Catherine Etchebest (Paris, France)*  
 Molecular dynamics of ammonium channels
- 15:15-15:40 Coffee break
- 15:40-17:00 **Session 8: Malaria**  
**Chair: O Bertrand**
- 15:40 *Odile Puijalon (Paris, France)*  
 Blood group antigens and malaria
- 16:05 *Alexandre De Brevern (Paris, France)*  
 Modelisation of the *Plasmodium vivax* receptor structure
- 16:30 *Morla Mohandas (New York, USA)*  
 Malaria and the red cell membrane
- 17:00 **Concluding remarks**  
**N Mohandas - C Le Van Kim**





# General Information

**Presentations are made in English.**

## Venue

The Institut National de la Transfusion Sanguine is located between the Seine and the Montparnasse tower, in the heart of the city.

Institut National de la Transfusion  
Sanguine - INTS  
6, rue Alexandre Cabanel 75015 PARIS - FRANCE

## From Roissy Charles de Gaulle (CDG) airport:

- Air France shuttles (direct shuttles every 20 minutes) to and from Porte Maillot or Etoile
- Roissy bus: Gare du Nord, Opéra

## From Orly Airport:

- Air France shuttles (direct shuttles every 20 minutes) to and from les Invalides. You can then take the subway station: Place de Invalides (ligne 8) direction Balard. Stop at Motte-Piquet Grenelle, take the line 6 direction Nation. Exit Cambronne.
- Orly bus: Porte de Gentilly, Denfert Rochereau.
- Orly Val: Stop at Anthony and take the RER C to Neuilly – Porte Maillot then the Metro.

## Registration

The registration form is available on the web site: [www.ints.fr](http://www.ints.fr)

### **PARTICIPANT:**

Registration before June 15th: 200 €  
Registration after June 15th: 250 €  
Free for trainees

## Hotel booking



Tel: +33 5 34 45 12 35 • Fax: +33 5 34 45 12 39  
E-mail: [wagonlit@europa-organisation.com](mailto:wagonlit@europa-organisation.com)  
The housing form is available on the web site:  
[www.ints.fr](http://www.ints.fr)

## Travel discounts



To benefit from the travel reductions (on SNCF-French domestic railways or AIR FRANCE), please request a rebate voucher when completing the registration form.

**WARNING:** The SNCF rebate voucher is obligatory when booking your return ticket and for the entire duration of your trip. The AIR FRANCE rebate voucher, confirmation letter and hard copy programme may be requested when travelling.

## Call for abstracts

Submission is now open and will close on **Friday 14th May 2010.**

The Scientific Committee will accept only on-line abstracts submission:  
<http://resume.europa-organisation.com/ISRB2010/>

## Organised by

The Institut National de la Transfusion  
Sanguine - Inserm U665  
6, rue A. Cabanel 75015 Paris - FRANCE  
Tel.: +33 1 44 49 30 00  
Fax: +33 1 47 34 74 31