



# 18th Workshop of the International Stroke Genetics Consortium

Barcelona, 22 - 23 October 2015

## PROGRAMME



### Thursday 22 October

**7:30 – 8:15**     **Registration**

**8:15 – 8:30**     **Introduction and welcome**

Chair: **Israel Fernández** (Barcelona, Spain), **Jordi Jiménez** (Barcelona, Spain) and **Christopher Anderson** (Boston, USA)

ISGC Chair's opening, **Jane Maguire** (Newcastle, Australia) and **Daniel Woo** (Cincinnati, USA)

**8:30 – 9:15**     **Outcome Panel**

Chair: **Arne Lindgren** (Lund, Sweden)

**Arne Lindgren** (Lund, Sweden). Update on the GISCOME project  
**Israel Fernández** (Barcelona, Spain). Update Acute endophenotypes group  
**Michèle M. Sale** (Charlottesville, USA) Elevated von Willebrand Factor (vWF) levels and genetic determinants of vWF levels are associated with recurrent stroke risk in the Vitamin Intervention for Stroke Prevention (VISP) trial

**9:15 - 10:00**     **CHARGE session**

Chair: **Stéphanie Debette** (Bordeaux, France)

**Ganesh Chauhan** (Bordeaux, France) / **Stéphanie Debette** (Bordeaux, France). Vascular genetic risk score and risk of dementia / dementia-endophenotypes  
**Ganesh Chauhan** (Bordeaux, France) Genetic risk score of vascular risk factors and vascular comorbidities in association with MRI defined brain infarcts  
**Myriam Fornage** (Houston, USA) / **Stéphanie Debette** (Bordeaux, France) Update and plans of WES projects on MRI-markers of cerebrovascular disease

**10:00 – 10:30**     **Break**

**10:30 – 11:00**     **Special session**

Chair: **Israel Fernández** (Barcelona, Spain)

**Manel Esteller** (Barcelona, Spain) Epigenetics in Health and Disease: Examples in Cardiovascular Disorders



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## 11:00 – 11:30 Epigenetics session

Chair: **Myriam Fornage** (*Houston, USA*)

**Carolina Soriano** (*Barcelona, Spain*) DNA methylation and mean glycemia levels in stroke patients

**Myriam Fornage** (*Houston, USA*) White Matter Hyperintensities and the Epigenetic Clock

## 11:30 – 12:00 Exome sequencing session

Chair: **Carlos Cruchaga** (*St. Louise, USA*)

**Martin Söderholm** (*Lund, Sweden*) Exome array analysis of ischemic stroke in a South Swedish population

**Guillaume Pare** (*Hamilton, Canada*) Exome analysis of NOTCH3 gene

## 12:00 – 12:40 Outreach Committee

Chair: **Jennifer Majersik** (*Salt Lake City, USA*)

**Jennifer Majersik** (*Salt Lake City, USA*) Update of the Outreach committee

**Thomas Leung** (*Hong Kong*) The ethnic disparity and phenotype of intracranial atherosclerosis

**Ryan Irvin** (*Birmingham, USA*) SIREN: defining the genetic architecture of stroke in people of black ancestry

**Tom Van Agtmael** (*Glasgow, UK*) From mouse model to risk factor for common disease: mechanisms of Col4a1 and intracerebral haemorrhage

## 12:40 – 13:40 Lunch

## 13:40 – 14:20 Short talks session

Chair: **Bradford Worrall** (*Charlottesville, USA*)

**Paul Nyquist** (*Baltimore, USA*) Haptoglobin in hemorrhagic stroke

**Paul Nyquist** (*Baltimore, USA*) Microarray analysis on mononuclear cells in patients with asymptomatic WMH

**Ischia Lopes-Cendes** (*Campinas, Brazil*) Role of CNVs in patients with hemorrhagic stroke



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## 14:20 – 15:00 **Imaging**

Chair: **Natalia Rost** (*Boston, USA*)

**Natalia Rost** (*Boston, USA*) Update on the ISGC Imaging Working Group

**Polina Golland** (*Cambridge, USA*) Quantification of WMH as a phenotype of cerebrovascular health

**Anne-Katrin Giese** (*Boston, USA*) Genetics of MRI-based traits in patients with ischemic stroke: the MRI-GENIE study

## 15:00– 15:30 **Special session**

Chair: **Jordi Jiménez** (*Barcelona, Spain*)

**Roderic Guigó** (*Barcelona, Spain*) The GTEx project: transcriptome variation across tissues and individuals

## 15:30 – 16:00 **Break**

## 16:00 – 16:45 **Interactive session**

Chair: **Jane Maguire** (*Newcastle, Australia*)

16:45 - 17:00 **Transfer from WTC to Hotel Barcelona Universal (*Sagrada Familia group*)**

17:30 – 18:00 **Transfer from Hotel Barcelona Universal to Sagrada Familia (*Sagrada Familia group*)**

18:00 – 19:15 **Visit to Sagrada Familia (prior registration required, subject to availability)**

19:30 – 20:00 **Transfer from Sagrada Familia to Casa Fuster**

20:30 – 23:00 **Official dinner at Casa Fuster (prior registration required)**

23:00 – 23:15 **Transfer to Hotel Barcelona Universal**



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**Friday 23 October****09:00 – 09:15 Registration****09:15 – 09:30 Housekeeping announcements**Chairs: **Israel Fernández** (*Barcelona, Spain*), **Jordi Jiménez** (*Barcelona, Spain*),  
**Christopher Anderson** (*Boston, USA*)**09:30 – 10:00 Special session**Chair: **Israel Fernández** (*Barcelona, Spain*)**Joan Montaner** (*Barcelona, Spain*) Biomarkers for stroke**10:00 – 10:30 Pharmacogenetics and Biomarkers****Guillaume Pare** (*Hamilton, Canada*)**Caty Carrera** (*Barcelona, Spain*) Update of Meta-GWAs of Hemorrhagic  
Transformation after tPA.**John Attia** (*Newcastle, Australia*)/**Jane Maguire** (*Newcastle, Australia*) TOTO  
project update**10:30 – 11:00 Special session**Chair: **Jordi Jiménez** (*Barcelona, Spain*)**Luis Alberto Perez Jurado** (*Barcelona, Spain*) Germline and acquired structural  
variation of the human genome in health and disease**11:00 – 11:30 Break****11:30 – 12:15 Consortium session. Examples in other endophenotypes or diseases**Chair: **Daniel Woo** (*Cincinnati, USA*)**Ynte Ruigrok** (*Utrecht, Netherland*) / **Philippe Bijlenga** (*Geneva, Switzerland*)  
ISGC Intracranial Aneurysm genetics working group. AneurysmDataBase :  
Infrastructure**Teresa Garcia Berrocoso** (*Barcelona, Spain*) International Biomarker in  
Cerebrovascular Diseases (IBCD) study group**Manel Comabella** (*Barcelona, Spain*) International Multiple Sclerosis Genetics  
Consortium**12:15 – 13:00 R24 project**Chair: **Jonathan Rosand** (*Boston, USA*)**Jonathan Rosand** (*Boston, USA*) R24 project update



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13:00 – 14:00 Lunch

14:00 – 15:00 **Mega Meta-analysis session**

Chair: **Rainer Malik** (*Munich, Germany*)

**Martin Dichgans** (*Munich, Germany*) Megastroke project: Concept and Current State of the Project

**Rainer Malik** (*Munich, Germany*) Megastroke project: Analysis Plan

**Jonathan Rosand** (*Boston, USA*) Brainstorm project

**Matthew Traylor** (*Cambridge, UK*) Early-onset stroke project

15:00 – 15:30 **Special session**

Chair: **Israel Fernández** (*Barcelona, Spain*)

**Jorge Ferrer** (*Barcelona, Spain*) Non-coding genome function and diabetes

15:30 – 16:00 **Translation Panel**

Chair: **Christopher Anderson** (*Boston, USA*)

**Christopher Anderson** (*Boston, USA*) APOE genotype-dependent variation in longitudinal lipid profiles before and after ICH

**Kathy Rexrode** (*Boston, USA*) Metabolomics of CHD in Women

16:00 – 16:45 **Administrative Session**

Chairs: **Jane Maguire** (*Newcastle, Australia*) and **Daniel Woo** (*Cincinnati, USA*)

16:45 – 17:00 **Meeting close and invitation to Boston**

17:30 – 19:00 Working beer

20:30 – 23:00 Dinner at Museu d'Història 1881 (prior registration required)

23:00 – 23:15 Transfer to Hotel Barcelona Universal



### Saturday 24 October

09:30 – 10:00 Transfer Hotel Barcelona Universal to Port Forum

10:00 – 13:00 Sailing on yacht Alieva (prior registration required)

13:00 – 13:30 Transfer to Hotel Barcelona Universal





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## VENUE

### WORLD TRADE CENTER

"Port Vell" Room  
Moll de Barcelona, s/n  
08039 Barcelona

### REGISTRATION FEES

(euro)

#### REGISTRATION

190€

SOCIAL PROGRAMME 22 October 2015  
(dinner at Casa Fuster)

70€

SOCIAL PROGRAMME 23 October 2015  
(Barceloneta and dinner at Restaurant 1881)

50€

SOCIAL PROGRAMME 24 October 2015  
(Alieva Yachting, transfer and cocktail)

97€

The conference registration includes documentation, coffee break and lunch.  
VAT included.



## ACCOMMODATION

### Hotel Barcelona Universal 4\* Official hotel

Room: Double or double single use  
160€/night (breakfast and VAT included)

In order to make your hotel reservation please contact by email  
**[bcnuniversal@nnhotels.es](mailto:bcnuniversal@nnhotels.es)** or phone (+34) 935 677 447  
Booking reference: **StrokeBarcelona**

### Deadline

Reservations must be made before **October, 7** to guarantee convention rates. After that date, room blocks will be released and rooms and rates will be based on availability. All changes, cancellations, and inquiries should be made directly with the hotel.

### HOTEL BARCELONA UNIVERSAL

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(+34) 935 677 447



**ISGC**

International Stroke Genetics Consortium



Catalan Society  
of Neurology

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### TECHNICAL SECRETARIAT

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RosaRoda  
Suport Serveis

### ORGANIZATION



Mútua Terrassa



Vall d'Hebron  
Hospital

### ENDORSED BY

GeneStroke

**UAB**  
Universitat Autònoma  
de Barcelona



PROGRAMA HERACLES  
Red de Investigación  
Cardiovascular

IN<sub>3</sub>ICTUS