

# Evolution of the Human Neocortex: How Unique Are We?

Wiston House • West Sussex • 22 – 25 September 2013

## Programme

### Sunday 22 September 2013

12:30 – 14:00	Lunch
14:00 – 14:15	<b>Introductions:</b> The Company of Biologists – <b>Katherine Brown</b> Workshop – <b>Arnold Kriegstein</b>
	<b>Chair – Pasko Rakic</b>
14:15 – 14:55	<b>Zoltán Molnár</b> Evolution of cerebral cortical development
14:55 – 15:35	<b>Tatsumi Hirata</b> Mammalian-type neurogenic potential in chick pallial neural progenitors
15:35 – 16:15	Tea break
16:15 – 16:55	<b>Constance Scharff</b> A bird's eye view on the human-uniqueness-obsession
16:55 – 17:55	<b>Early Career Scientists' Presentations:</b> Steve Briscoe Luis de la Torre-Ubieta Alexandra de Sousa Denis Jabaudon Genevieve Konopka Stephen Noctor Michael Oldham Caroline Pearson Alex Pollen Kate Teffer
18:00 – 19:30	<b>Early Career Scientists' Posters</b> Pre-dinner drinks
19:30 – 21:00	Dinner
21:00 – 22:00	Introduction slide presentations
22:00 – 23:30	Bar open

All meals will be served in **The Great Hall**

## Programme

**Monday 23 September 2013**

08:00 – 09:00

Breakfast

**Chair – Svante Pääbo**

09:00 – 09:40

**Barbara Finlay**

Evolving the developing cortex:  
graceful scaling and functional channeling

09:40 – 10:20

**Luis Puelles**

What claustral development in the mouse  
tells us about the cortex

10:20 – 11:00

Group photo

Tea break

11:00 – 11:40

**André Goffinet**

Planar cell polarity proteins and  
thalamocortical connections

11:40 – 12:20

**Arnold Kriegstein**

Primate-specific progenitor behavior may  
contribute to cortical expansion

12:30 – 13:30

Lunch

13:30 – 15:30

Walk (meet at Reception)

15:30 – 16:00

Tea break

**Chair – Zoltán Molnar**

16:00 – 16:40

**Wieland B. Huttner**

Neural stem and progenitor cells and  
the evolution of the cerebral cortex

16:40 – 17:20

**Colette Dehay**

Uncharting the complexity of the primate OSVZ

18:00 – 18:45

Pre-dinner drinks

18:45 – 19:30

History talk on Wiston House

19:30 – 21:00

Dinner

22:00 – 23:30

Bar open

All meals will be served in **The Great Hall**

## Programme

Tuesday 24 September 2013

08:00 – 09:00	Breakfast
	<b>Chair – Chris Walsh</b>
09:00 – 09:40	<b>Victor Borrell</b> Genetic regulation of cortical folding
09:40 – 10:20	<b>Gavin Clowry</b> GABAergic interneurons in the human neocortex: evolution of function and developmental origins
10:20 – 11:00	Tea break
11:00 – 11:40	<b>Dean Falk</b> The fossil record of human brain evolution
11:40 – 12:20	<b>Jon Kaas</b> The evolution of the cortical areas and modules of human brains: evidence from comparative studies
12:30 – 13:30	Lunch
	<b>Chair – Dean Falk</b>
14:00 – 14:40	<b>Nenad Sestan</b> Projection systems of the cerebral cortex: Development, evolution and dysfunction
14:40 – 15:20	<b>Chris Ponting</b> Exploring the developing primate cortex transcriptome
15:20 – 16:00	Tea break
16:00 – 16:40	<b>Ed Lein</b> Antigenic variation, epigenetics and trypanosomes
16:40 – 17:20	<b>Franck Polleux</b> Exploring the role of human-specific gene duplication in brain evolution
17:20 – 18:30	Break
18:30 – 19:30	Pre-dinner drinks
19:30 – 21:30	Dinner
21:30 – 00:00	Bar open

All meals will be served in **The Great Hall**

## Programme

Wednesday 25 September

08:00 – 09:00	Breakfast
	<b>Chair – Colette Dehay</b>
09:00 – 09:40	<b>Chris Walsh</b> Development, evolution and dysfunction
09:40 – 10:20	<b>Svante Pääbo</b> Comparative genomics as an inroad to human brain evolution
10:20 – 11:00	Tea break
11:00 – 11:40	<b>Pasko Rakic</b> Neuronal migration and brain map formation
11:40 – 12:00	<b>Arnold Kriegstein</b> Workshop Overview
12:00 – 13:00	Lunch Depart



All meals will be served in **The Great Hall**