

## Day 1 – Thursday, October 1, 2009

### Morning Session:

#### Origin of Neural Stem Cells

Moderated by Arturo Alvarez-Buylla, PhD

### Afternoon Session:

#### Building and Repairing Cortex

Moderated by Samuel Pleasure, MD, PhD

8:15-8:45	Breakfast	1:30-1:55	<b>Susan McConnell, PhD</b> Stanford University <i>Building the cerebral cortex: neuronal fate determination</i>
8:45-9:00	Welcome Dr. Arnold Kriegstein	2:00-2:25	<b>Arnold Kriegstein, MD, PhD</b> UCSF <i>Neural stem and progenitor cells in rodent and human cortical development</i>
9:00-9:25	<b>Yoshiki Sasai, MD, PhD</b> Kobe RIKEN <i>Molecular and cellular control of neuroepithelial differentiation in ES cell culture</i>	2:30-2:55	<b>Pasko Rakic, MD, PhD</b> Yale University <i>Neural stem cell contribution to functional cortical columns</i>
9:30-9:55	<b>Samuel Pleasure, MD, PhD</b> UCSF <i>The Meninges Control Cortical Neurogenesis</i>	3:00-3:30	Break
10:00-10:25	<b>Derek van der Kooy, PhD</b> University of Toronto <i>The developmental origin of neural stem cells</i>	3:30-3:55	<b>John Rubenstein, MD, PhD</b> UCSF <i>Transcriptional specification of subcortical progenitors</i>
10:30-11:00	Break	4:00-4:25	<b>Stewart Anderson, MD</b> Weill Cornell Medical College <i>Derivation of cerebral cortical interneurons from mouse and human ES cells and their application to normative and preclinical studies</i>
11:00-11:25	<b>Sally Temple, PhD</b> New York Neural Stem Cell Institute <i>Hidden gems-an embryonic like stem cell in the adult nervous system</i>	4:30-4:55	<b>Jeffrey Macklis, MD, D.HST</b> Harvard University <i>Building or Repairing a Brain is Complex; Assembly Instructions Required: Molecular Development of Corticospinal Motor Neurons</i>
11:30-11:55	<b>Pierre Vanderhaeghen, MD, PhD</b> University of Brussels <i>Corticogenesis in a dish: intrinsic mechanisms of neuronal specification from pluripotent stem cells</i>	5:00-6:00	Poster Session Sponsored by Science
12:00-12:25	<b>Dennis Steindler, PhD</b> University of Florida <i>Astrocytic stem/progenitor cells during brain development, regeneration and cancer</i>		
12:30-1:30	Lunch and Poster Set-Up		

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# AGENDA

## Day 2 – Friday, October 2, 2009

### Morning Session:

#### **Generating New Neurons and Glial Cells**

*Moderated by John Rubenstein, MD, PhD*

### Afternoon Session:

#### **Stem Cell Models of Neurological Disease**

*Moderated by Arnold Kriegstein, MD, PhD*

8:30-9:00	Breakfast	1:30-1:55	<b>Ernest Arenas, MD, PhD</b> Karolinska Institute <i>Function of Wnt5a in dopaminergic neuron development and its application to stem cell therapies for Parkinson's disease</i>
9:00-9:25	<b>Samuel Weiss, PhD</b> University of Calgary <i>Adult neurogenesis and the formation of social memories</i>	2:00-2:25	<b>Lorenz Studer, MD</b> Sloan-Kettering Institute <i>Modeling Human Neural Development and Disease in Pluripotent Stem Cells</i>
9:30-9:55	<b>Fred Gage, PhD</b> Salk Institute <i>Functional Regulation of Neurogenesis in the Adult Mammalian Dentate Gyrus</i>	2:30-2:55	<b>Ron McKay, PhD</b> NINDS <i>Using stem cells to define and treat human neurodegenerative disease</i>
10:00-10:25	<b>Fernando Nottebohm, PhD</b> Rockefeller University <i>Vocal learning: at the threshold</i>	3:00-3:30	Break
10:30-11:00	Break	3:30-3:55	<b>Clive Svendsen, PhD</b> University of Wisconsin <i>Modeling Neurodegeneration Using Human Neural Stem Cells</i>
11:00-11:25	<b>Arturo Alvarez-Buylla, PhD</b> UCSF <i>Adult neural stem cell specification</i>	4:00-4:25	<b>Kevin Eggan, PhD</b> Harvard University <i>Using stem cells and reprogramming to understand neural degeneration</i>
11:30-11:55	<b>Ben Barres, MD, PhD</b> Stanford University <i>How do Astrocytes Promote CNS Synaptogenesis?</i>	4:30-4:45	Closing Remarks Dr. Arnold Kriegstein
12:00-12:25	<b>Steven Goldman, MD, PhD</b> University of Rochester <i>Stem and progenitor-cell based treatment of myelin disorders</i>		
12:30-1:30	Lunch		

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