

## **Cyril T HANUS' curriculum vitae**

### **Personal data**

-Born: 17 February 1976, Paris  
-Citizenship: French  
-Home address: 818A Clarendon street, Durham NC 27705, USA  
-Work address: Ehlers' laboratory, Department of Neurobiology, Duke University Medical Center, Box 3209, Bryan Research Building, Research drive, Durham NC 27710, USA  
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### **Education**

-February 2006: PhD reception  
-2001-2006: PhD of Neuropharmacology, Paris 6 University, École Normale Supérieure Paris (ENS)  
-2001: DEA of Neuropharmacology (2<sup>nd</sup> year of Master's degree), ENS-Paris 6 University  
-2000: 1<sup>st</sup> year of Master's degree in cell-biology, Paris 6 University, Magistère de Biologie-Biochimie", ENS.  
-1999: Bachelor's degree in cell-biology, Paris 6 University, Magistère de Biologie-Biochimie, ENS.

### **Research experience**

#### - March 2006-present

Institution: Duke University Medical Center (Durham, NC, USA)  
Position: postdoctoral fellow  
Area of research: neuron cell-biology  
Project: Organization and regulation of the neuronal secretory pathway  
Supervisor: Dr. MD Ehlers

#### - June 2000-March 2006

Institution: Biologie Cellulaire de la Synapse, Ecole Normale Supérieure/INSERM U497 (Paris, France), dir. Dr. A Triller  
Position: undergrad. student, PhD student  
Area of research: neuron cell-biology,  
Project: dynamics of inhibitory postsynaptic membranes  
Supervisor: Dr. A. Triller

#### - April-May 2001

Institution: Physiologie Cellulaire de la Synapse, Université Bordeaux 2/ UMR CNRS 5091 (Bordeaux, France), dir. Dr. C Mulle  
Position: undergrad. student  
Area of research: neuron cell-biology,  
Project: use of optic-tweezers and single particle tracking techniques to monitoring the interactions of the glycine receptor and its synaptic anchoring protein in living cells.  
Supervisor: Dr. D. Choquet

#### - April-May 2000

Institution: Unité de Recherches sur le Développement Normal et Pathologique du Système Immunitaire, INSERM U429/Hôpital Necker-Enfants Malades (Paris, France), dir. Pr. A. Fisher  
Position: Master student  
Area of research: immunology, characterization of mutations in the ORF1/2 genes in patients suffering of familial severe immuno-deficiency  
Supervisor: Dr. JP de Villartay

#### - July-September 1999

Institution: Mécanismes et conséquences de la mort neuronale INSERM U289/Hôpital de la Salpêtrière (Paris, France), dir. Prof. Y. Agid  
Position: undergrad. student  
Area of research: neuropathology  
Subject: analysis of iron accumulation in the substantia nigra of "parkinsonian" monkeys

Supervisor: Dr. B. Faucheux

## Teaching

2002-2003-2004: cell biology instructor for the 1<sup>st</sup> grade of biology at Paris XII University

## Publications

### Research articles

-Marie-Virginie Ehrensperger, **Cyril Hanus**, Christian Vannier, Antoine Triller, and Maxime Dahan (2007) Multiple association states between glycine receptors and gephyrin identified by SPT analysis. *Biophysical Journal*, 92(10):3706-18.

-**Cyril Hanus**, Marie-Virginie Ehrensperger, and Antoine Triller (2006) Activity-dependent movements of postsynaptic scaffolds at inhibitory synapses. *The Journal of Neuroscience*, 26(17):4586-95

-**Cyril Hanus**, Christian Vannier, and Antoine Triller (2004) Intracellular Association of Glycine Receptor with Gephyrin Increases Its Plasma Membrane Accumulation Rate, *The Journal of Neuroscience*, 24(5):1119-1128

### Posters

-M.-V. Ehrensperger, **C. Hanus**, C. Charrier, S. Lévi, A. Triller, M. Dahan  
Single molecule study of glycine receptor dynamics and interactions with scaffolding proteins  
15 th IUPAB & 5 th EBSA International Biophysics Congress, Montpellier. August 27th–1st 2005

-**Hanus C**, Vannier C et Triller A  
Intracellular association of GlyR with gephyrin increases its plasma membrane accumulation rate.  
4th Forum of the European Neuroscience, Lisbon. July 10th-14th 2004.

-Lévi S, Rostaing P, Luccardini C, **Hanus C**, Riveaud B, Triller A, Dahan M.  
Single molecule imaging reveals multiple diffusive states of glycine receptors.  
IBRO Meeting, Prague, July 10th-15th 2003

### Book chapters

- **Hanus C** and Ehlers MD: Organelles and Trafficking Machinery of Dendrites and Spines. *Structural and Functional Organization of the Synapse*. Springer 2007, *in preparation*.

### Research grants

- “Cellular dynamics of the glycine receptor and gephyrin”, PhD grant from the Ministère de la Recherche et des Technologies, 10/2001-10/2004

- “Analysis of Glycine Receptor and Gephyrin turnover at individual synapses by real-time imaging methods” Fédération pour la Recherche Médicale #FDT20041203037, 11/2004-11/2005