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✚ **Research experience**

2010 **Research Supervisor at Centre National de la Recherche Scientifique (CNRS).**  
 2007-present **Supervisor of the “Federative Research Institute in Integrative Biology” University Pierre and Marie Curie-Paris 6 (UPMC)**  
 2001-present : **Group leader “Neuronal Signaling and Gene Regulation”**

✚ **Education:**

1992 : **PhD from UPMC**  
 1987 : **Specialization in Neurosciences** (University P. and M. Curie)  
 1986 : **Master’s Degree in Physiology** (option Neurophysiology) University Pierre and Marie Curie, Paris VI.

✚ **Awards**

2012 Chevalier de la légion d’honneur  
 2011 CNRS Award for Scientific Excellence

✚ **Patents :**

- 2005 European patent « Pepsignal » : N° 05 290 363.0 ; 2006 PCT extension : N° WO : 0872 242 (inventors Drs **Caboche J**, Vanhoutte P).
- 2008 European patent “pepsignal depression and mood disorders » ; EP 08 305 636.6 (inventors Drs **Caboche J**, Vanhoutte P, E Tzavara, B Giros).
- 2010 European patent “ Methods and pharmaceutical composition for the treatment of huntington's disease” EP10306128.9 (inventors Drs **Caboche J**; Aubourg P., Betuing S., Cartier N.)

✚ **10 Publications**

- Besnard, A., Bouveyron, N., Kappes, V., Pascoli, V., Pagès, C., Heck, N., Vanhoutte, P., and **Caboche, J.** (2011) Alterations of molecular and behavioral responses to cocaine by selective inhibition of Elk-1 phosphorylation. *J. Neurosci.* Oct 5;31(40):14296-307.
- Pascoli, V., Besnard, A., Hervé, D., Heck, N., Pagès, C., Girault, J.-A., **Caboche, J.** and Vanhoutte P. (2011) cAMP-independent tyrosine phosphorylation of NR2B mediates cocaine-induced Extracellular signal-Regulated (ERK) activation. *Biol. Psy.* 69(3):218-27
- Fasano S, D'Antoni A, Orban PC, Valjent E, Putignano E, Vara H, Pizzorusso T, Giustetto M, Yoon B, Soloway P, Maldonado R, **Caboche J**, Brambilla R. (2009) Ras-Guanine Nucleotide-Releasing Factor 1 (Ras-GRF1) Controls Activation of Extracellular Signal-Regulated Kinase (ERK) Signaling in the Striatum and Long-Term Behavioral Responses to Cocaine. *Biol Psy.* 15;66(8):758-68.
- Lavaur J, Bernard F, Trifilieff P, Pascoli V, Kappes V, Pagès C, Vanhoutte P, **Caboche J.** (2007) A TAT-DEF-Elk-1 peptide regulates the cytonuclear trafficking of Elk-1 and controls cytoskeleton dynamics. *J Neurosci.* 26;27(52):14448-58.
- Girault, J.A., Valjent, E., **Caboche, J.**, and Hervé, D (2007) ERK2 : a logical AND gate critical for drug-induced plasticity? *Curr. Opin. Pharmacol.*,7(1) : 77-85.
- Brami-Cherrier, K., Valjent, E., Hervé, D., Darragh, J., Corvol, J.C., Pages C., Arthur, S., Girault, J.-A., and **Caboche, J.** (2005) Parsing molecular and behavioral effects of cocaine in Mitogen and Stress-activated Protein Kinase 1 (MSK1) deficient mice. *J. Neurosci.*, 25(49) : 11444-11454.
- Valjent, E., Pagès, C., Hervé, D., Girault, J.A., and **Caboche, J.** (2004) Addictive and non-addictive drugs induce distinct and specific patterns of ERK activation in mouse brain. *Eur. J. Neurosci.* 19 : 1-11.
- Derkinderen, P., Valjent, E., Toutant, M., Corvol, J.C., Enslen, H., Ledent, C., Trzaskos, J., **Caboche, J.**, and Girault, J.A. (2003) Regulation of ERK by cannabinoids in hippocampus. *J. Neurosci.*, 23(6).
- Valjent E., Mitchell, J.M., Besson, M.-J., **Caboche, J.**, and Maldonado, R. (2002) Behavioural and biochemical evidence for interactions between  $\Delta^9$ -tetrahydrocannabinol and nicotine. *British J. Pharmacol.* 135, 564-578.
- Valjent, E., Corvol, J.-C., Pagès, C., Besson, M.-J., Maldonado, R., and **Caboche, J.** (2000) Involvement of the Extracellular Signal-Regulated Kinase cascade for cocaine-rewarding properties. *J. Neurosci.* 20, 4563-4572.