

# Clara Touriño-Raposo

## I. PERSONAL INFORMATION

Date of Birth: **January 5<sup>th</sup> 1980**

Place of Birth: **Barcelona (Spain)**

Citizenship: **Spanish**

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## II. PRESENT ACADEMIC RANK AND POSITION

Postdoctoral researcher in the de Lecea lab at the Psychiatry and Behavioral Sciences Department (Stanford University).

## III. EDUCATION

BA on Human Biology by Pompeu Fabra University, Barcelona (Spain) 1999-2003.

PhD in Neuropsychopharmacology by Pompeu Fabra University, Barcelona (Spain) 2003-2009.

## IV. PUBLICATIONS

Touriño C, Zimmer A, Valverde O. THC prevents MDMA neurotoxicity in mice . PLoS One. (2010). Accepted.

Touriño C, Oveisi F, Lockney J, Piomelli D, Maldonado R. FAAH deficiency promotes energy storage and enhances the motivation for food. *Int J Obes (Lond)*. (2009) [Epub ahead of print]

Soria G, Mendizábal V, Touriño C, Robledo P, Ledent C, Parmentier M, Maldonado R, Valverde O. Lack of CB1 cannabinoid receptor impairs cocaine-seeking behaviour. *Neuropsychopharmacology*. **30**(9),1670-80 (2005).

Touriño C, Maldonado R, Valverde O. MDMA attenuates THC withdrawal syndrome in mice. *Psychopharmacology*. **193**(1), 75-84 (2007).

Touriño C, Ledent C, Maldonado R, Valverde O. CB1 cannabinoid receptor modulates 3,4-methylenedioxymethamphetamine acute responses and reinforcement. *Biol Psychiatry*. **63**(11), 1030-8 (2008).

## V. TECHNICAL AND SPECIALISED SKILLS

- **Intravenous self-administration in mice:** Catheterization of the jugular vein, self-administration studies on morphine, cocaine, ecstasy and nicotine.

- **Food and water self-administration in mice.**
- ***In vivo* microdialysis in mice:** Stereotaxic surgery, perfusion, dopamine, and serotonin detection by HPLC.
- **Behavioral models:**
  - Locomotor activity (actimetry boxes, open-field).
  - Nociception (hot plate, tail immersion).
  - Anxiety (Elevated plus maze, open field, black and white box, active avoidance).
  - Stress and helplessness (tail suspension, Porsolt test).
  - Reward and aversion (place conditioning paradigm).
  - Memory and learning (active avoidance, two-trial recognition test).
  - Motor coordination (rotarod).
  - Physical dependence and withdrawal syndrome to nicotine, THC and opioids.
- Tissue dissection (Prefrontal cortex, striatum, hippocampus, cerebellum hypothalamus, spinal cord, blood, liver, pancreas, duodenum, jejunum ileum, fat tissue, soleus muscle)
- **Molecular biology:** PCR, immunohistochemistry and immunofluorescence, western blot, protein assays, ELISA, TUNEL, lipid extraction and triglyceride assays.

## VI. WORKSHOP AND MEETING PRESENTATION

"Lack of CB1 cannabinoid receptor impairs cocaine-seeking behavior". 14<sup>th</sup> Annual Symposium of the International Cannabinoid Research Society, Napoli, Italy, 2004. (Poster).

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"Participation of dopamine D2 receptors in acute and chronic effects of THC". 5<sup>th</sup> Annual Meeting of the Spanish Cannabinoid Research Society, Sevilla, Spain, 2004. (Oral communication).

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"Lack of CB1 cannabinoid receptor produces changes in MDMA effects ". 15<sup>th</sup> Annual Symposium of the International Cannabinoid Research Society, Clearwater Beach, FL 2005. (Poster).

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"MDMA attenuates THC withdrawal syndrome in mice". 11<sup>th</sup> General European Behavioral Pharmacology Society Meeting, Barcelona, Spain, 2005. (Poster)

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"Involvement of CB1 cannabinoid receptor in the addictive properties of 3,4-Methylenedioxymethamphetamine (MDMA)" 6<sup>th</sup> Annual Meeting of the Spanish Cannabinoid Research Society, Barcelona, Spain 2005. (Oral communication)

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"Involvement of CB1 cannabinoid receptor on effects induced by MDMA". 36th annual meeting of the Society for Neuroscience. Atlanta, GA 2006. (Poster)

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"CB1 and CB2 receptors reduce MDMA-induced inflammatory response in mice striatum". 37th annual meeting of the Society for Neuroscience. San Diego, CA 2007. (Poster)

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"CB1 and CB2 receptors reduce MDMA-induced inflammatory response in mice striatum". 17th Neuropharmacology conference on cannabinoid signalling in the nervous system. San Diego, CA 2007. (Poster)

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"Lack of FAAH increases food motivation and decreases lipid metabolism". 8th Annual Meeting of the Spanish Cannabinoid Research Society, Barcelona, Spain 2007. (Oral communication)

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"THC prevents MDMA-induced neurotoxicity" 9th Annual Meeting of the Spanish Cannabinoid Research Society, Barcelona, Spain 2008. (Oral communication). Awarded as Best communication.

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## **VII. INTERNSHIPS**

Daniele Piomelli's Laboratory. Pharmacology Department. Gillespie Neuroscience Research Facility. University of California Irvine. July – December 2006.