



### Contact Information

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### Scientific Identification

**ORCID:** 0000-0003-1674-7160  
**Researcher ID:** N-5544-2015  
**Scopus ID:** 7003823784

### Education

**2001** **BSc. Biology (Biomedicine).** Universitat Autònoma de Barcelona, Spain  
**2004** **MSc. Degree in Neurosciences.** Universitat Autònoma de Barcelona, Spain  
**2007** **PhD. Degree in Biology.** Universitat Autònoma de Barcelona, Spain

### Faculty Positions Held

**2006-2008** **Associate Lecturer in Animal Physiology.** Universitat Autònoma de Barcelona, Spain  
**2013-2015** **Assistant Professor.** Department of Pediatrics. University of Washington. USA  
**2015-** **Ramón y Cajal Investigator.** Departament de Biologia Cel·lular, Fisiologia i Immunologia and Institut de Neurociències. Universitat Autònoma de Barcelona, Spain

### Research Stays

**5-10/2004:** University of Washington, Seattle, USA. Palmiter lab. (PhD)  
**6-9/2006:** University of Sydney, Sydney, Australia. Campbell lab. (PhD)  
**2008/2013:** University of Washington, Seattle, USA. Palmiter lab. (Postdoc)

### Honors

#### a) Fellowships

**1996-2001** **Undergraduate Scholarship.**  
Ministry of Education, Spain  
**2002-2007** **Postgraduate Scholarship (Ph.D).**  
Ministry of Science and Technology, Spain  
**2009-2010** **Postdoctoral Fellowship.**  
Ministry of Science and Innovation, Spain  
**2013-** **Ramon y Cajal Investigator**  
Ministry of Economy and Competitiveness, Spain

#### b) Awards

**2005** **Young scientist in the field of Metallothionein Award.**  
Metallothionein Society. Beijing, China.  
**2005** **Assistance grant for young Spanish neuroscientists.** Spanish Society of Neurosciences.  
Torremolinos, Spain  
**2009** **Extraordinary Doctorate Award.**  
Universitat Autònoma de Barcelona, Spain.  
**2012** **International Travel Grant Award, FENS, Spain**

## Research Funding

### a) Ongoing competitive funding

- 2015-2020** European Research Council Starting Grant. ERC-2014-StG-638106  
**Amount: €1.500.000. IP:** Albert Quintana
- 2015-2018** Proyectos I+D de Excelencia (MINECO). SAF2014-57981P.  
**Amount: €145.200. IP:** Albert Quintana
- 2015-2020** Programa Ramón y Cajal (MINECO). RyC-2012-11873  
**Amount: €308.600 (€40.000 for research). IP:** Albert Quintana
- 2015-2017** Marie Skłodowska Curie Fellow Program. H2020-MSCA-IF-2014-658352  
**Grantee:** Elisenda Sanz. **Supervisor:** Albert Quintana  
**Amount: €170.122 (€19.200 for research)**

### b) Non-competitive funding (ongoing and completed)

- 2015-2016** Universitat Autònoma de Barcelona Start-up Funding  
**Title:** *Remodelació i equipament laboratori Albert Quintana*  
**Reference:** VB612880/VB613484  
**Funding Agency:** Universitat Autònoma de Barcelona  
**Amount: €135.244**  
**IP:** Albert Quintana
- 2013-2015** Seattle Children's Research Institute Seed Funding  
**Title:** *Molecular determinants of neuronal death in mitochondrial disease*  
**Funding Agency:** Seattle Children's Research Institute  
**Amount: €360.000**  
**IP:** Albert Quintana

## Publications

From Google Scholar and Thompson Web of Knowledge

<i>Citation indices</i>	<i>All</i>	<i>Last 5 years</i>
<i>Total Publications</i>	37	20
<i>Citations</i>	1460	1128
<i>Accumulated Impact Factor</i>	264.25	197.57
<i>Average Impact Factor</i>	7.14	9.88
<i>First Decile</i>	10	10
<i>First Quartile</i>	23	18
<i>h-index</i>	23	19
<i>i10-index</i>	29	26

## Selected Manuscripts in Refereed Journals

- Zimin PI, Woods CV, **Quintana A**, Ramirez JM, Morgan PG, Sedensky MM. *Glutamatergic Neurotransmission Links Sensitivity to Volatile Anesthetics with Mitochondrial Function*. **Current Biology**. pii: S0960-9822(16)30659-5 (2016).
- Padilla SL, Qiu J, Soden ME, Sanz E, Nestor CC, Barker FD, **Quintana A**, Zweifel LS, Ronnekleiv OK, Kelly MJ, Palmiter RD. *Agouti-related peptide neural circuits mediate adaptive behaviors in the starved state*. **Nat Neurosci** 19(5):734-741 (2016). **Cover Article and Featured in News and Views in Nature Neuroscience**
- Sanz E, **Quintana A (co-first author)**, Deem JD, Steiner RA, Palmiter RD, McKnight GS. *Fertility-regulating Kiss1 neurons arise from hypothalamic POMC-expressing progenitors*. **J Neurosci**. 35(14):5549-56. (2015).
- Liu L, Zhang K, Sandoval H, Yamamoto S, Jaiswal M, Sanz E, Li Z, Hui J, Graham BH, **Quintana A**, Bellen HJ. **Cell**. 160(1-2):177-90. (2015)

5. Johnson SC, Yanos ME, Kayser EB, **Quintana A**, Sangesland M, Castanza A, Uhde L, Hui J, Wall VZ, Gagnidze A, Oh K, Wasko BM, Ramos FJ, Palmiter RD, Rabinovitch PS, Morgan PG, Sedensky MM, Kaeberlein M. *mTOR inhibition alleviates mitochondrial disease in a mouse model of Leigh syndrome*. **Science**. 342(6165):1524-8 (2013) **Featured in Science Express in Science and Nature Medicine**
6. **Quintana A**, Sanz E, Wang W, Storey GP, Güler AD, Wanat MJ, Roller BA, La Torre A, Amieux PS, McKnight GS, Bamford NS, Palmiter RD. *Lack of GPR88 enhances medium spiny neuron activity and alters motor- and cue-dependent behaviors*. **Nat Neurosci**. 15(11):1547-1555 (2012). **Cover Article and Featured in News and Views in Nature Neuroscience**
7. **Quintana A**, Zanella S, Koch H, Kruse SE, Lee D, Ramirez JM, Palmiter RD. *Fatal breathing dysfunction in a mouse model of Leigh Syndrome*. **Journal Clin Invest** 122(7):2359-2368 (2012).
8. Bruchas MR, Schindler A, Shankar H, Messinger D, Miyatake M, Land BL, Lemos JC, Hagan C, Neumaier J, **Quintana A**, Palmiter RD, Chavkin C. *Selective p38 (alpha) MAPK deletion in serotonergic neurons produces stress-resilience in models of depression and addiction*. **Neuron**. 71(3):498-511 (2011)
9. **Quintana A**, Kruse SE, Kapur RP, Sanz E, Palmiter RD. *Complex I deficiency due to loss of Ndufs4 in the brain results in progressive encephalopathy resembling Leigh syndrome*. **Proc Nat Acad Sci USA** 107:10996-11001. (2010). **Cover Article**
10. **Quintana A**, Müller M, Frausto RF, Ramos R, Getts DR, Sanz E, Hofer MJ, Krauthausen M, King NJ, Hidalgo J, Campbell IL. *Site-specific production of IL-6 in the central nervous system retargets and enhances the inflammatory response in experimental autoimmune encephalomyelitis*. **J Immunol**. 183:2079-2088. (2009)

### Seminars and conferences (in the last 5 years)

**8 international and 10 national invited talks and seminars**

**Selected international seminars:**

2016

- Faculty of Health Sciences. North-West University, Potchefstroom, South Africa.
- UMDF Mitochondrial Medicine, Seattle, USA
- 1<sup>st</sup> Neurobiology Meeting, Puebla, Mexico

2013

- MRC LMB Neurobiology section Cambridge
- UTHCSA Dept. Physiology, San Antonio, USA

### Special Local Responsibilities

**2016-to date Member of the Scientific Commission of the Institut de Neurociències, Universitat Autònoma de Barcelona (UAB), Spain.**

**2015-to date Member of the Scientific Commission of the Animal Facility. (UAB)**

**2013-2015 Faculty member (UW-Seattle Children's Research Institute)**

**2004-2007 Graduate student representative in the Animal Physiology Unit (UAB)**

**2004-2007 Graduate student (Master student) representative in the Executive Commission of the Institute for Neurosciences. (UAB)**

### Mentoring Experience (2008-2016)

**4 Undergraduate students, 3 PhD students, 3 Postdocs**