



CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS

SHORT CURRICULUM VITAE

Professor Francesc Artigas

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PERSONAL DATA

- **Family name:** Artigas
- **Name:** Francesc
- **Professional address:** Department of Neurochemistry and Neuropharmacology, Instituto de Investigaciones Biomédicas de Barcelona (IIBB), Consejo Superior de Investigaciones Científicas (CSIC; Spanish Research Council) Rosselló 161, 6th floor, 08036 Barcelona. Email: fapnqi@iibb.csic.es
- **Personal address:** La Salut 26, 08291 Ripollet (Barcelona), Spain

CURRENT POSITIONS

- Full Professor, Spanish Research Council (CSIC)
- Chair, Department of Neurochemistry and Neuropharmacology, Instituto de Investigaciones Biomédicas de Barcelona (IIBB), Consejo Superior de Investigaciones Científicas (CSIC; Spanish Research Council) Rosselló 161, 6th floor, room 632, 08036 ,Barcelona. Phone: +34 93-363 83 15 FAX +34 93-363 83 01; Email: fapnqi@iibb.csic.es
- Member of the Executive Board of the IIBB
- Member of the Executive Committee CIBERSAM
- Research Coordinator, Therapeutic Innovation Program. CIBERSAM

ACADEMIC DEGREES

- Degree in Sciences, University of Barcelona, 1973
- Master in Analytical Chemistry, University of Barcelona, 1977
- Ph. D., Autonomous University of Barcelona, 1979

PREVIOUS POSITIONS HELD

- Postgraduate student. Instituto de Biología Fundamental (Univ. Autónoma de Barcelona).
- Predoctoral fellow. Instituto de Biología Fundamental (UAB) and Instituto de Biofísica y Neurobiología (IBN, CSIC), Barcelona.
- Visiting Ph.D. student. Karolinska Institute, Stockholm
- Technical Research Associate. Instituto de Biofísica y Neurobiología (1978) and Instituto de Química Bio-Orgánica (1978-1980), Barcelona.
- Research Associate. Centro de Investigación y Desarrollo, CSIC, Barcelona.
- Research Scientist, Staff, Instituto de Investigaciones Biomédicas, CSIC, Barcelona.
- Vice-director of the IIBB-CSIC
- Past President of the Spanish Society of Neuroscience
- Research Coordinator of the Neuroscience Area, IDIBAPS
- Coordinator of Translational Neuroscience Area, CIBERSAM

LANGUAGES (R: read, W: write, S: speak)

- Catalan, RWS ; Spanish, RWS; French, RWS; English, RWS; Italian, RS

RESEARCH INTERESTS

- Neurobiological basis of affective disorders and their treatment
- Neurobiological basis of psychotic disorders and their treatment
- Brain circuits involved in mood control and cognition
- Neurochemistry and neuropharmacology of monoamines in mammalian brain
- Novel antidepressant strategies

ACADEMIC ACTIVITIES

- Supervisor of 24 completed Ph.D. Thesis. Nine of them have been awarded 10 times (P. Celada, N. Bel, J.M. Casanovas, R. Marín-Ruiz, M.V. Puig, M. Amargós-Bosch, L. Díaz-Mataix, X. López-Gil, M. Riga: *Extraordinary Award for Ph.D. Thesis*; and N. Bel: Award “*August Pi i Sunyer*”, Institut d'Estudis Catalans).
- Supervisor of 23 Postdoctoral positions granted by CSIC, INSERM and the Spanish Ministry of Education.
- Organiser and teacher of postgraduate courses and seminars, in collaboration with academic institutions (University of Barcelona, Autonomous University of Barcelona, School of Pharmacology). Topics: Neurochemistry, Mechanism of action of antidepressant drugs, Pharmacology of chemical neurotransmitters, Biochemical basis of mental illnesses, Analytical techniques in Neurochemistry and Neuropharmacology.
- Member of over 60 examination boards for Ph.D. Thesis in Spanish and EU Universities (*Barcelona, Autònoma de Barcelona, Balears, Bordeaux, Collage de France (Paris), Complutense, La Laguna, Lyon, Miguel Hernández-CSIC, Nantes, País Vasco, Paris, Pompeu Fabra, Santander, Santiago, Stockholm, Toulouse*)

INVITED PRESENTATIONS

- Over 230 invited communications/seminars in international congresses, meetings and national and international training courses. Three plenary lectures in international congresses (European College of Neuropsychopharmacology, 2013, 2015; and Canadian College of Neuropsychopharmacology, 2014).

RESEARCH AND EVALUATION ACTIVITIES

- Participation in 72 research projects funded by public funds (Spanish Ministry of Health, Ministry of Education, European Union) and pharmaceutical companies. Project leader in 54 of them
- Member of examination boards for permanent positions in the Spanish Research Council (C.S.I.C.)
- Member of local and national panels (National Agency for Evaluation, Fondo de Investigación Sanitaria, and Ministry of Education) for evaluation of research grants
- Advisor/referee for 15 international (EU, USA) funds and academic organizations (*Welcome Trust, MRC, EU Biomed program, Human Frontiers Research Program, etc.*)
- Referee for 57 journals including journals in the fields of Neuroscience, Pharmacology and Psychiatry (*Arch Gen Psychiatry, Am J Psychiatry, Biol Psychiatry, J Neurosci, Mol Psychiatry, PNAS, Science, Trends Neurosci, Trends Pharmacol Sci, etc.*)
- Member of the Editorial Board of 9 international journals
- Member of the Organising/Scientific Committees of 14 Congresses

SCIENTIFIC SOCIETIES

Member of the following national and international scientific organisations:

- *Catalan Society of Biology*
- *Spanish Society for Neuroscience (SENC)*. Past-President, 2003-2005; President of the Scientific Program Committee, 2011-2013; Organizer of the Cajal Winter Conferences (2005-2012).
- *Federation of European Neuroscience Societies (FENS)*. Member of the Executive Committee, 2003-2005
- *International Brain Research Organization (IBRO)*. Member of the Executive Committee, 2003-

2005

- *International Society for Serotonin Research (ISSR)*. Officer, 2003-2006; Vice-President, 2009-2013
- *Society for Neuroscience*
- *European College for Neuropsychopharmacology (ECNP)*. Member of the Executive Committee (councillor) 1998-2002; Fellow 2012-present; Member of the Workshop, Nominating and Award committees
- *Collegium Internationale Neuro-Psychopharmacologicum (CINP)*. Councillor, 1999-2002, 2014-2018; Education Committee, 2014-2016; Credentials and Membership Committee, 2014-2018
- *American College of Neuropsychopharmacology (ACNP)*; elected foreign corresponding fellow, 2008-2010, fellow since 2011

PUBLICATIONS AND CITATIONS

- 231 articles in peer-reviewed journals and 62 book chapters
- Cited in ISI Essential Science Indicators (Neuroscience and Behavior)
- Cited 13.256 times; h index = 63 (Web of Science). As of February 2018, 3 recent papers were considered *highly cited papers* by the Web of Science.

TEN MOST CITED PUBLICATIONS

- Artigas F, Romero L, de Montigny C, Blier P (1996) Acceleration of the effect of selected antidepressant drugs in major depression by 5-HT_{1A} antagonists. *Trends Neurosci* 19:378-383 (cited 549 times)
- Artigas F, Pérez V, Alvarez E (1994) Pindolol induces a rapid improvement of patients with depression treated with serotonin reuptake inhibitors. *Arch Gen Psychiatry* 51:248-251 (cited 489 times)
- Celada P, Puig MV, Casanovas JM, Guillazo G, Artigas F (2001) Control of dorsal raphe serotonergic neurons by the medial prefrontal cortex: involvement of serotonin-1A, GABA_A and glutamate receptors. *J Neurosci* 21: 9917-9929 (cited 347times)
- Santana N, Bortolozzi A, Serrats J, Mengod G, Artigas F (2004) Expression of serotonin_{1A} and serotonin_{2A} receptors in pyramidal and GABAergic neurons of the rat prefrontal cortex. *Cereb Cortex* 14:1100-1109 (cited 281 times)
- Perez V, Gilaberte I, Faries D, Alvarez E, Artigas F (1997) Randomised, double-blind, placebo-controlled trial of pindolol in combination with fluoxetine antidepressant treatment *Lancet* 349:1594-1597 (cited 275 times)
- Celada P, Puig MV, Amargos-Bosh M, Adell A, Artigas F (2004) The therapeutic role of 5-HT_{1A} and 5-HT_{2A} receptors in depression. *J Psychiatry Neurosci* 29:252-265 (cited 265 times)
- Amargós-Bosch M, Bortolozzi A, Puig MV, Serrats J, Adell A, Celada P, Toth M, Mengod G, Artigas F (2004) Co-expression and in vivo interaction of Serotonin_{1A} and Serotonin_{2A} receptors in Pyramidal Neurons of Prefrontal Cortex. *Cereb Cortex* 14: 281-299 (cited 249 times)
- Adell A, Artigas F (1991) Differential effects of clomipramine given locally or systemically on extracellular 5-HT in raphe nuclei and frontal cortex. *Naunyn-Schmiedeberg's Arch Pharmacol* 343:237-244 (cited 240 times)
- Bel N, Artigas F (1992) Fluvoxamine increases preferentially extracellular 5-HT in the raphe nuclei of the awake rat. An in vivo microdialysis study. *Eur J Pharmacol* 229:101-103 (cited 238 times)
- Bel N, Artigas F (1993) Chronic treatment with fluvoxamine increases extracellular serotonin in frontal cortex but not in raphe nuclei. *Synapse* 15:243-245 (cited 226 times)

ANOTHER RELEVANT PAPERS (LAST YEARS)

- Ferrés-Coy A, Galofré M, Pilar-Cuéllar F, Vidal R, Paz V, Ruiz-Bronchal E, Campa L, Pazos A, Caso JR, Leza JC, Alvarado G, Montefeltro A, Valdizán EM, Artigas F, Bortolozzi A (2016) Therapeutic antidepressant potential of a conjugated siRNA silencing the serotonin transporter after intranasal administration. *Mol Psychiatry* 21:328-38 (cited 10 times)
- Riga MS, Sánchez C, Celada P, Artigas F (2016) Involvement of 5-HT₃ receptors in the action of vortioxetine in rat brain: Focus on glutamatergic and GABAergic neurotransmission. *Neuropharmacology* 108:73-81 (cited 21 times)
- Sanchez C, Asin KE, Artigas F (2015) Vortioxetine, a novel antidepressant with multimodal activity: Review of preclinical and clinical data. *Pharmacol Ther* 145:43-57 (cited 125 times)
- Troyano-Rodríguez E, Lladó-Pelfort L, Santana N, Teruel Martí V, Celada P, Artigas F (2014) Phencyclidine inhibits the activity of thalamic reticular gamma-aminobutyric acidergic neurons in rat brain. *Biol Psychiatry* 76:937-945 (cited 19 times)
- Artigas F (2013) Serotonin receptors involved in antidepressant effects. *Pharmacol Ther* 137:119-31 (cited 105 times)
- Celada P, Puig MV, Artigas F (2013) Serotonin modulation of cortical neurons and networks. *Front Integr Neurosci* 7:25 (cited 104 times)
- Celada P, Bortolozzi A, Artigas F (2013) Serotonin 5-HT_{1A} receptors as targets for agents to treat psychiatric disorders: rationale and Current Status of research. *CNS Drugs* 27:703-716 (cited 122 times)
- Bortolozzi A, Castañé A, Semakova J, Santana N, Alvarado G, Cortés R, Ferrés-Coy A, Fernández G, Carmona MC, Toth M, Perales JC, Montefeltro A, Artigas F (2012) Selective siRNA-mediated suppression of 5-HT_{1A} autoreceptors evokes strong antidepressant-like effects. *Mol Psychiatry* 17:612-23 (Highlighted in Nature Reviews Neurology) (cited 56 times)
- Lladó-Pelfort L, Santana N, Ghisi V, Artigas F, Celada P (2012) 5-HT_{1A} receptor agonists enhance pyramidal cell firing in prefrontal cortex through a preferential action on GABA interneurons. *Cereb Cortex* 22:1487-97 (cited 65 times)
- Kargieman L, Riga MS, Artigas F, Celada P (2012) Clozapine reverses phencyclidine-induced desynchronization of prefrontal cortex through a 5-HT_{1A} receptor- dependent mechanism. *Neuropsychopharmacology* 37:723-33 (cited 27 times)
- Santana N, Troyano-Rodríguez E, Mengod G, Celada P, Artigas F (2011) Activation of thalamocortical networks by the N-methyl-D-aspartate receptor antagonist phencyclidine: reversal by clozapine. *Biol Psychiatry* 69:918-27 (cited 42 times) (42 citas)
- Kargieman L, Santana N, Mengod G, Celada P, Artigas F (2007) Antipsychotic drugs reverse the disruption in prefrontal cortex function produced by NMDA receptor blockade with phencyclidine. *Proc Natl Acad Sci USA* 104:14843-14848 (cited 120 times)

