



Curriculum Vitae Christina Dalla, PhD

Date and place of birth: 6th March 1977, Athens, Greece
Mikras Asias 75, 11527, Athens, Greece

Associate Professor, Dep. of Pharmacology, Medical School, National and Kapodistrian University of Athens, Greece, since February 2019.

Principal Investigator Neuropsychopharmacology Group

<http://psychopharmacology.med.uoa.gr>

Previous affiliations

Assistant Professor of Pharmacology-Psychopharmacology, Dep. of Pharmacology, Medical School, National and Kapodistrian University of Athens, Greece, since 2013. Permanent faculty position (tenure since 2017), 3/2013- 2/2019.

Visiting scientist at the ICVS, School of Health Sciences at the University of Minho in Portugal, under the bilateral educational program between Greece and Portugal, funded by the Greek Ministry of Education, 2011.

Lecturer (faculty member) at the Dep. of Pharmacology, Medical School, National and Kapodistrian University of Athens, Greece from 2009-2013.

Education

1995-2000: Pharmacy School, National and Kapodistrian University of Athens, Greece. Graduated 2nd in my class and earned scholarships from the Hellenic State Scholarship Foundation (IKY) from 1997- 1999 and an award from the Hellenic Union of Pharmaceutical Industries in 2000.

2000-2005: Ph.D., Dep. of Pharmacology, Medical School, National and Kapodistrian University of Athens, Greece. Group of Psychopharmacology, supervisor Prof. Z. Papadopoulou-Daifoti. Title: “Serotonin, Depression and Sexual Dimorphism”. Participated in two research grants, in collaboration with the Institute of Radiosotopes, Radiodiagnostic Products and Institute of Material Science, NSCR “Demokritos”, Athens, Greece.

2001- 2002: Marie Curie fellow – part of Ph.D. studies at the GIGA Neurosciences, University of Liege, part of EURON, Belgium. Research Group of Behavioral Neuroendocrinology, Prof. J. Balthazart.

2005- 2008: Marie Curie post-doctoral fellow at the Department of Psychology and Center of Neurosciences, Rutgers University, New Brunswick, New Jersey, USA, Research group of Prof. T. J. Shors. Participation in NIH research grants and Outgoing phase of the Marie Curie Outgoing Fellowship, FP6/EU, entitled: “Female Neurogenesis: a role in depression”.

2008-2009: Marie Curie post-doctoral fellow at the Dep. of Pharmacology, Medical School, National and Kapodistrian University of Athens, Greece, Research Group of Prof. Z. Papadopoulou-Daifoti. Return phase of the Marie Curie Outgoing Fellowship, FP6/EU.

Other training

- **2007**: International Certificate of Teaching, Rutgers University, New Jersey, USA.
- **2010**: Seminar on Educational techniques for health professional (based on WHO’s seminar material), NKUA, Greece.

- **2012:** Regional European College of Neuropsychopharmacology/ ECNP School, Nafplio, Greece
- **2018:** “H2020 Ethics Appraisal Scheme - Training for New Ethics Experts”, Ethics and Research Integrity Sector, Brussels, Belgium.

Research Statement

Our research team studies sex differences in animal models of affective disorders, as depression and anxiety disorders are twice as common in women than men. Since my PhD studies in Athens and Belgium my research is focused on animal models of depression in male and female rats. Later, a Marie Curie Outgoing fellowship allowed me to continue my research at Rutgers University of New Jersey, where we showed that Pavlovian learning enhances neurogenesis in the hippocampus of adult male and female rats. In addition, we continued our work on the validation of female animal models of depression. Currently, my laboratory in Athens is using behavioral, neurochemical, molecular and endocrinological approaches in order to understand sex differences in the neurobiology and treatment of neuropsychiatric diseases. We have recently identified that aromatase inhibitors, used in cancer therapy, exert mood effects and neurochemical changes in the cortical-hippocampus neural circuit. Additionally, our recent work shows that the thalamic *nucleus reuniens* is critically involved in stress and depression. Our ultimate goal is to deliver more effective and faster-acting psychotropic treatments by targeting neurosteroids, such as neuroestrogens, as well as specific receptors and signaling pathways. Towards this aim, our group is also involved in human studies, in collaboration with the Psychiatric and Pediatric clinics. Furthermore, we have participated in several collaborative projects on animal models of Alzheimer’s disease, pharmacological screening of new CNS-molecules, as well as neurochemical studies in several species.

Awards, Prizes and Fellowships

- **Hellenic State Scholarship Foundation (IKY):** Scholarships for pre-graduate studies in Pharmacy (1997- 1999),
- **Hellenic Union of Pharmaceutical Industries:** Award for the overall graduation grade in 2000.
- **European College of Neuropsychopharmacology (ECNP):** Poster award “Pharmacological profile of newly synthesized oxotechnitium ligands for the in vivo imaging of brain 5-HT_{1A} receptors” 13th ECNP Congress, Munich, Germany, 2000.
- **Hellenic Society for Neurosciences:** poster award for the “Behavioral profile of female aromatase-knockout mice related to depression, anxiety and reaction to a novel environment” at the 17th HSfN meeting, Crete, Greece, 2002.
- **European Neuroscience Association/ FENS** travel award for the presentation: “Behavioural, endocrinological and neurochemical effects induced by chronic mild stress in male and female rats: implications for sex dependent response of the HPA axis and monoaminergic systems” FENS FORUM, Lisbon, Portugal, 2004.
- **Marie Curie fellowship from European Union:** Training for one year in EURON, Belgium, 2001-2002.
- **European College of Neuropsychopharmacology (ECNP):** Travel award for the presentation “Forced swim stress in male and female rats: behavioral and neurochemical effects” at the 15th ECNP Congress, Barcelona, Spain, 2002.
- **Society for Behavioral Neuroendocrinology:** Travel award for the presentation of the “Neurogenesis is associated with learned helplessness in males, but not in females” at the 10th SBN meeting, Pittsburg, USA, 2006.
- **Marie Curie Outgoing Individual Fellowship** within the EU FP6 program for post-doctoral studies at Rutgers University of New Jersey and Medical School of Athens, Greece, 2007- 2010.
- **Society for Behavioral Neuroendocrinology:** Young Investigator award, 12th Sbn meeting, 2008.

- **L’Oreal-Unesco:** award for young “Women in Sciences” in Greece, 2008.
- **European College of Neuropsychopharmacology award:** ECNP fellowship award for young researchers, 2015.
- **International Brain Research Organization:** short stay award to my PhD student (V. Kafetzopoulos, 2013) and travel award at a post-doctoral fellow in my group (Dr. N. Kokras, 2016).
- **State Scholarship foundation (IKY) 2016:** awarded to a post-doctoral fellow in my group.
- Participation as a co-author in 9 poster or oral congress presentations, 2013-2018.

Membership and positions in scientific societies

- **Vice-President and President-elect of the Mediterranean Neuroscience Society/MNS** (2019-2021).
- **President** (2017-2019), General Secretary (2015-2017), Treasurer (2013-2015) of the **Hellenic Society for Neurosciences**.
- Member of the Federation of the European Neuroscience Societies/FENS and the International Brain Research Organization, **Participation in the Governing Councils** from 2017-2018.
- Member of the European College of Neuropsychopharmacology (ECNP), since 2013 and Member of the **European College of Neuropsychopharmacology Preclinical Data Network Forum for the Assurance of Research Quality, since 2015**.
- Founding member and Treasurer of the Institute of Biology and Medicine of Stress (President: Prof. G. P. Chrousos), since 2015.
- Member of the Internal Auditing Committee of the Hellenic Society for Basic and Clinical Pharmacology, since 2017.
- Member of the **International Union of Basic and Clinical Pharmacology/ IUPHAR**, member of the Neuropsychopharmacology Section.
- Member of the European Behavioral Pharmacology Society/ EBPS.
- Past-Member of the Society for Neuroscience/ SfN.
- Past-Member of the Society for Behavioral Neuroendocrinology/ SBN.
- Past-Member of the Organization for the study of Sex differences /OSSD.

Other positions, editorial work and reviewer assignments

- Scientific committee member and external evaluator at the **National Organization for Medicines** (EOF) in Greece, since 2016. **European Medicines Association** (EMA) Evaluator in 2018.
- External evaluator for the **European Commission Ethics and Research Integrity Sector**, since 2018.
- **European College of Neuropsychopharmacology (ECNP)**, Educational committee and Scientific advisory board, 2020-2023.
- **Associate Editor** for Frontiers in Behavioral Neuroendocrinology.
- **Member of the Review Editorial board:** Hormones & Behavior, Frontiers in Psychopharmacology, Frontiers in Beh. Pharmacology, Frontiers in Beh. Neuroscience, Dialogues in Clinical Neuroscience and Mental Health.
- **Guest co-Editor** for a Special Issue on “Stress” at the Journal “Hormones”.
- **Guest Editor** for a Special Issue on “Sex Differences in Neuroscience and Neuropsychopharmacology” at European Journal of Neuroscience (ongoing).
- **Reviewer** for Frontiers Neuroscience, Physiology and Behavior, Eur. Neuropsychopharmacology, Brain Research, BMC Neurosciences, Stress, Pharmacol. Biochemistry & Behavior, Behavioral and Brain Functions, J. of Neuroendocrinology, Int. Journal of Neuropsychopharmacology, Neuropharmacology, Neuropsychopharmacology, Mol. Psychiatry, Biol. Letters, Neuroscience, Jove, Genes Brain & Behavior,

Psychoneuroendocrinology, Hormones, Hormones & Behavior, J. of Psychopharmacology, J. of Neuroscience Research, Biol. Psychiatry, Neuroendocrinology, Eur. J. of Neuroscience.

- **Referee** for the evaluation of research grants for the **Innovative Medicine Initiative** (IMI)/European Union with EFPIA actions (2015 review panel and remotely), **COST**/European Union actions (remotely 2013-2014), the **Polish National Science Center** (remotely 2015, 2018, 2019), the Irish **Health Research Board** (remotely 2016), the **Cohens Veterans Biosciences** (USA, 2017 review panel and remotely), the **General Secretariat of Research and Development of the Greek Ministry of Education** (remotely 2013-2015 and 2019), **State Scholarship Foundation/IKY** (2018 and 2019), **Hellenic Foundation for Research and Innovation/HFRI** (2018), **La Caixa** (Spain-Portugal, 2020).
- Affiliated member of the European Quality of Preclinical Data project (EQIPD) funded by the EU Innovative Medicines Initiative.

Organizational activities in scientific events

- Member of the **Abstract award committee** at the Hellenic Society for Neuroscience meeting in 2019 at Crete. Organization and chair of a scientific international symposium.
- **Co-chair of the organizing and scientific committee** of the 27th Hellenic Society for Neuroscience Meeting in Athens, 2017. **Organization of a European College of Neuropsychopharmacology/ECNP Preclinical Network symposium** in Athens with international speakers entitled: “Addressing the challenge: Approaches to generating more robust, reproducible, and predictive preclinical data”.
- Member of the organizing and scientific committee and the **Abstract & Poster award committees** at the Hellenic Society for Neuroscience meetings in 2012 and 2013. **Organization of an ECNP-supported talk in Athens.**
- **Co-chair of the organizing committee of the workshop** entitled: “Leadership skills in academic science” for Greek Women in Academia at the Medical School of Athens, 2015.
- Member of the **organizing committee** of the Biennial European Behavioral Pharmacology Society/EBPS meeting at Crete, Greece, 2017. Member of the **Abstract award committee** awarded from the Hellenic Society for Neurosciences.
- **Local Host** of the **ECNP Preclinical data forum Workshop for Young Scientists** “How to Make Preclinical Research Robust”, February 2019.
- Member of the **scientific-evaluation committee** and organization of two symposiums at the 12th Forum and the National Conferences of the Greek Medical Students in 2018 and 2019.
- Member of the **organizing and scientific committee** of the **2nd World Congress of Early Carrier Psychiatrist’s**, World Association of Psychiatry, Athens, 2016.
- Member of the **organizing and scientific committee** of the 1st and 2nd meetings of the Institute of Biology and Medicine of Stress, Athens, 2015-2016, as well as two one-day meetings in 2018 and 2019.
- Co-organization of 7 **clinical workshops** on Psychopharmacology at scientific meetings in Greece, 2015-2018.
- Co-organization, as well as chair and presenter at a **clinical workshop** on “Antipsychotics”, sponsored by Janssen-Cilag Pharmaceuticals, in Athens, 2015.
- Member of the **Organizing committee** of 4 lecture series at the Dep. of Pharmacology, Medical School, NKUA.
- **co-Chair** at the symposium “Female vulnerability to depression: From molecules to behavior”, International Behavioral Neuroscience Society, Dublin, Ireland, June 2013.
- **Chair** at the symposium “Sex differences at the intersection of stress, fear and depression”, 30th European College of Neuropsychopharmacology meeting, Paris, September 2017.

- **Chair** at the symposium “Sex differences in stress response: insights for pharmacotherapy”, Biennial European Behavioral Pharmacology Society meeting, Crete, August 2017.
- **Chair** and organization of the symposium “Sex differences in classical and novel mechanisms involved in depression”, 7th Mediterranean Neuroscience Conference, Morocco, June 2019.
- **Chair** at 14 scientific symposiums in Greek National Meetings, 2010-2019.

Organization of public events, advocacy activities and knowledge transfer

- **Full-member of the DANA alliance for the brain** in 2019 and member of the European branch (EDAB), upon nomination since 2012. Frequent contributions at member’s newsletter.
- Member of the **Organizing committee** for the “**Brain Awareness week**” in Athens from 2011-2019, regularly funded by FENS-EDAB. For example: <https://www.snfcc.org/en/events/day-conference-exploring-human-brain/4286> and <https://planetariumotg.gr/comments/events/71-exploringthebrain.html>.
- Organization and chair of two Scientific events “Sex differences in Psychopharmacology” and “Neuroscience of Arts” at the **Athens Science Festival**, 2014 and 2019.
- Organization of the Workshop “**Science Communication**” as invited faculty member at the IMPRS-TP Retreat of the Max Planck Institute of Translational Psychiatry students in Austria, 2019.
- Speaker and participant at the **5th National Brain Councils Academia**, organized by the European Brain Council at Dubrovnik, Croatia, May 2019. Contribution in advocacy initiatives and in the ongoing foundation of the Greek Brain Council.
- Speaker and participant at the event and exhibition “**For Women in Sciences**” organized by “L’Oreal-Unesco” in Athens, September 2018.
- Member of the Organizing committee and Coordinator for the Hellenic Society for the **Neuroscience Advocacy Meeting** at Pasteur Institute in Athens in June 2018, funded by IBRO-FENS.
- Participation in the “**Brain Awareness week**” from 2008-2019, with **4 school talks** on Neurosciences and **12 talks for the lay public** in Athens at the Eugenides Foundation, the Shantom Center, the Athens Science Festival, Megaron Plus, Museum Benaki and Stavros Niarchos Cultural Center. Topics covered: psychopharmacology, adult neurogenesis, sex differences, career path.
- **Scientific editing** of the Greek translation of the book “The Biology of Homosexuality” for the lay public, Crete University Press, 2016. Public presentation of the book in 2018.
- **Scientific co-Editor** of the book “Addiction” published by Crete University Press, 2018.
- **Scientific editing** of the Greek translation of the book “Gender Medicine” for the lay public, Crete University Press, 2019.
- Greek translation and editing of the Society for Neuroscience booklet for the lay public: “**Core Concepts in Neurosciences**”.
- Responsible for the **Newsletter** of the Mediterranean Neuroscience Society.
- Participation as **invited guest** in 4 TV shows and 9 Greek radio programs, 2008-2019.
- Commentaries, press releases and **interviews** in several Greek newspaper and magazines (one cover in 2019). For example: <http://www.tovima.gr/science/article/?aid=878143>
- Commentary and **book chapter**, upon invitation, on Prof. Melissa Hines’ talk “Your brain has a gender?” at the Gulbenkian Health Forum “Brain.org”, organized in Lisbon, Portugal for the lay public in October 2012.
- Contribution at the Hellenic Ministry of Education web site for excellence: <http://excellence.minedu.gov.gr/listing/133-depression>

- Coverage of the PNAS 2009 paper at the US newspapers “Philly inquirer” and “Daily Targum”.
- Abstract contributions in Society for Neurosciences meeting press books in 2006 and 2007.

Teaching and educational activity

- **Responsible faculty member** for the Pharmacology undergraduate course (~300 students) at the Medical School, National and Kapodistrian University of Athens, Greece, 2013-2018. Teaching of several Pharmacology courses at the Medical, Dentistry, Midwifery and Nursing Schools in Athens, since 2009.
- **Co-Coordinator** of the undergraduate elective course “Addiction” at the Medical School, NKUA, 2013-2018.
- **Coordinator** of the “Neuropsychopharmacology” course for the MSc programs “Molecular Medicine/ Neurobiology” (2012-2015) and “Athens International Master’s Programme in Neurosciences” (2017-2019), NKUA. **Member of the Internal Evaluation committee.**
- Teaching of several **Master courses** in the MSc programs of Psychiatry, Neurosciences, Neuroanatomy, Molecular Medicine, Clinical Pharmacy, Pneumology, Cardiology, Physiology, Stress, Children’s Psychiatry, Drug Discovery and Epidemiology at the NKUA, since 2008.
- Teaching “Infrastructure for monitoring behavior in animal models” at the MSc of the Technological Educational Institute of Athens, Department of Electronics, 2015-2017.
- **Supervision of 4 PhD students** (defended with honors).
- Short-term supervision of 5 PhD **International students-fellows** (from Portugal, Poland, Brazil, Nigeria and Slovakia).
- Supervision of 11 Master and 19 undergraduate students.
- **Invited lectures** at **Bochum University** (2008), **Univ. of Hamburg in Germany** (2011), **Univ. of Crete** (2014), **Univ. of Minho**, Portugal (2012) and **Temple Univ.**, Philadelphia, USA (2018), **Biomedical Research Foundation Academy of Athens**, Greece (2018), **Fleming Institute**, Greece (2019) and **Univ. of Rennes**, France (2019).

Other activities

Development of a behavioral scoring software program (Kinoscope), as well as appropriate infrastructure/hardware at the Dep. of Pharmacology, Medical School of NKUA, in collaboration with software developers and engineers.

Invited lectures to international conferences

1. Selected oral presentation, “Learning enhances neurogenesis in the female brain.”, *37th Society for Neuroscience meeting/SfN meeting, San Diego, USA, 2007.*
2. Young Investigator award and speaker, “Learning increases neurogenesis in the female hippocampus”. *12th Meeting of the Society for Behavioral Neuroendocrinology, Holland, 2008.*
3. Symposium speaker, “Sex differences in animal models of depression: focus on behavioral and neurochemical manifestations”, *16th World Congress of Basic Clinical Pharmacology, Denmark, 2010.*
4. Symposium speaker, “Sex differences in animal models of depression”, *15th Meeting of the Society for Behavioral Neuroendocrinology, Sbn, Mexico, 2011.*
5. Nano-symposium Speaker, “Sex differences in the forced swim test of antidepressant activity: effects of gonadal- and brain- derived estrogens”, *42nd Society for Neuroscience meeting/SfN, New Orleans, USA, 2012.*

6. Symposium speaker, "Blockade of neuroestrogens enhances depressive behavior of female, but not male rats in the forced swim test", *7th International meeting of Steroids and the Nervous System, Turin, Italy, 2013*.
7. Symposium Speaker and **co-Chair**, "Animal models of depression: how are females different?", *International Behavioral Neuroscience Society/IBNS, Dublin, Ireland, 2013*.
8. Symposium speaker, "Antidepressant potential of subacute aromatase inhibition", *8th International Conference on Hormones, Brain and Behavior, Liege, Belgium, 2014*.
9. Symposium speaker, "Sex differences in models of depression: is it all about serotonin?", *Mediterranean Neuroscience Society/MNS meeting, Sardinia, Italy, 2015*.
10. Symposium speaker and **Chair**, "Sex differences in depression, stress and environmental enrichment: links to neurodegeneration", *FFRM, Federation of Neuroscience Societies/FENS Regional meeting, Thessaloniki, Greece, 2015*.
11. Symposium speaker, "Sex differences in stress response: the role of estrogens, monoamines and brain circuits", *11th Meeting of the Organization for the Study of Sex Differences/OSSD, Montreal, Canada, 2017*.
12. Symposium speaker, "Stressful exposure and sex differences in brain vulnerability to depressive pathology", *Mediterranean Neuroscience Society/MNS meeting, Malta, 2017*.
13. Symposium speaker, "Sex differences in depression: The role of neuroestrogens", *14th World Congress of Biological Psychiatry/WBP, Copenhagen, Denmark, 2017*.
14. Speaker and **Chair**, "Sex differences in models of depression and antidepressant response", *Biennial European Behavioral Pharmacology Society/EBPS meeting, Crete, 2017*.
15. Symposium speaker and **Chair**, "Sex differences in models of depression and antidepressant response", *30th European College of Neuropsychopharmacology/ECNP meeting, Paris, France, 2017*.
16. Symposium speaker, "Neurocircuitry of stress and neuroplasticity indices: How males and females differ?", *2nd International Congress on Evidence Based Mental Health, Kavala, Greece, 2018*.
17. Symposium speaker, "Sex differences in psychopharmacology: from estrogens to neuroestrogens in models of depression" *10th International meeting of Steroids and the Nervous System, Turin, Italy 2019*.
18. Invited Speaker: "Sex differences in neuropsychopharmacology: the antidepressant paradigm", *IMPRS-TP Retreat of the Max Planck Institute of Translational Psychiatry, Salzburg, Austria, 2019*.
19. Symposium Speaker and **Chair**: "Sex differences in psychopharmacology: insights from animal models of depression" *20th International Congress of the Polish Pharmacological Society, Lublin, Poland 2019*.
20. Symposium Speaker: "Sex differences in learning and emotion: effects of pharmacological approaches" *7th Mediterranean Neuroscience Conference, Morocco, June 2019*.
21. Invited Speaker: "Sex differences in neuropsychopharmacology: the antidepressant paradigm", *Mystery of the Brain: Science Ultimate Frontier, Symposium in honor of Prof. N. K. Logothetis, Tübingen, Germany, 2019*.
<https://brainmystery.kyb.mpg.de/speakers/#speakers>
22. Invited Speaker and Contributor: "Professional Development Workshop: How to thrive as a Woman in Neuroscience", *Society for Neuroscience meeting/SfN, Chicago, USA 2019*.

List of funded projects as Coordinator or Partner

1. **Co-Investigator** as member of the Pharmacology team at the grant entitled "Development and Screening of Novel beta Amyloid Peptide Inhibitors for Alzheimer's Disease (TREAT-AD)", National action "Large Scale Cooperation Projects", funded by

- the General Secretariat of Research and Technology, Greek Ministry of Development, 2012-2015.
2. **Co-Investigator** as member of the Pharmacology team at the grant entitled “Fish oil replacement in aquafeeds for seabream and seabass with alternative lipid sources” (FORIA), Collaborative grant co-funded by the Greek General Secretariat of Research and Technology and European Union, 2013- 2015.
 3. **Scientist in charge** at the research grant “Novel mechanisms of stress-induced mood and cognitive impairments- the road from depression to Alzheimer’s disease”, funded by the General Secretariat of Research and Technology, Greek Ministry of Education, 2012-2015.
 4. **Scientist in charge** at the IKYDAD 2015-2016 programme, entitled “Depression: Can a cancer drug be used for rapid antidepressant treatment?”, in collaboration with Dr. M. Filiou at the Max Planck Institute of Psychiatry in Munich.
 5. **Partner** at the Temple University Internationalization Grant, in collaboration with Associate Professor D. Bangasser, Temple University, Department of Psychology and Neuroscience, Philadelphia, USA, 2017-2018.
 6. **Co-Investigator** at the project entitled: “Creation of an interactive electronic database for medicinal plants- Preclinical and clinical investigation of the potential beneficial effect of herbs on Mild Cognitive Impairment and Alzheimer's disease”. Collaborative grant co-funded by the Greek General Secretariat of Research and Technology and European Union, 2019-2022.
 7. **Scientist in charge** for a post-doctoral project entitled: “Sex differences in pharmacokinetic/pharmacodynamic interactions of antidepressant drugs” and funded by the State Scholarship foundation (IKY) in 2020-2022.
 8. **Partner** at the **Erasmus+ project** entitled: “Sharing Good Practices for Brain Education in Europe” (Share4Brain) granted to the Belgian Brain Council, the National Kapodistrian University of Athens and other partners, funded by the European Union, Horizon 2020, 2019-2021.
 9. **Module coordinator** at the project entitled: “Addressing Sex as a Biological Variable in Preclinical Pharmacology and Neuroscience Research: Accounting for Neglected Factors and Applying Practical Solutions to Enhance Rigor and Reproducibility?” granted to Cohen Veterans Bioscience and **European College of Neuropsychopharmacology Preclinical Data Forum Network**, funded by the **National Institute of Health, USA** 2019-2022.
 10. **WP Leader** at PEERS (Internet platform for preclinical research standardization) granted to Cohen Veterans Bioscience and **European College of Neuropsychopharmacology Preclinical Data Forum Network** and funded by Cohen Veterans Biosciences, USA, 2020.
 11. **Principal Investigator** at the research project entitled: “GPER1 neuroestrogen membrane receptor: a novel, rapid-acting, promising target for psychopharmacology”, funded by the **Hellenic Foundation for Research and Innovation, Greece** 2020-2023.

Scientific production

Scientific papers: 56 in PubMed (1 Editorial, 2 Chapters), Book chapters: 12

Conference abstracts >120

Citations: 3182, h-index = 29 (Source: Google Scholar, [Profile](#))

Guest-Editor: 2 (*Hormones and European Journal of Neuroscience*)

Book Scientific Editor: 1 (in Greek)

Publications

1. N. Kokras, G.E. Hodes, D.A. Bangasser, and **C. Dalla**, Sex differences in the hypothalamic-pituitary-adrenal axis: An obstacle to antidepressant drug

- development? *Br J Pharmacol* 176 (2019) 4090-4106. *Invited Review. Special Issue on Sex Differences.*
2. N. Kokras, I. Sotiropoulos, D. Besinis, E.L. Tzouveka, O.F.X. Almeida, N. Sousa, and **C. Dalla**, Neuroplasticity-related correlates of environmental enrichment combined with physical activity differ between the sexes. *Eur Neuropsychopharmacol* 29 (2019) 1-15.
 3. N. Poulia, F. Delis, C. Brakatselos, P. Lekkas, N. Kokras, **C. Dalla**, and K. Antoniou, Escalating low-dose Delta(9) -tetrahydrocannabinol exposure during adolescence induces differential behavioral and neurochemical effects in male and female adult rats. *Eur J Neurosci* (2019). *Special Issue on Sex Differences.*
 4. N. Kokras, E. Papadopoulou, G. Georgiopoulos, **C. Dalla**, I. Petropoulos, C. Kontogiannis, A. Laina, D. Bampatsias, K. Stellos, A.V. Kouzoupis, and K. Stamatelopoulos, The effect of treatment response on endothelial function and arterial stiffness in depression. A prospective study. *J Affect Disord* 252 (2019) 190-200.
 5. G. Balta, **C. Dalla**, and N. Kokras, Women's Psychiatry. *Adv Exp Med Biol* 1192 (2019) 225-249. *Book Chapter, Frontiers in Psychiatry, Springer Ed.*
 6. C. Dioli, P. Patricio, N. Sousa, N. Kokras, **C. Dalla**, S. Guerreiro, M.A. Santos-Silva, A.C. Rego, L. Pinto, E. Ferreiro, and I. Sotiropoulos, Chronic stress triggers divergent dendritic alterations in immature neurons of the adult hippocampus, depending on their ultimate terminal fields. *Transl Psychiatry* 9 (2019) 143.
 7. E. Karkoula, I.V. Dagla, E. Baira, N. Kokras, **C. Dalla**, A.L. Skaltsounis, E. Gikas, and A. Tsarbopoulos, A novel UHPLC-HRMS-based metabolomics strategy enables the discovery of potential neuroactive metabolites in mice plasma, following i.p. administration of the main *Crocus sativus* L. bioactive component. *J Pharm Biomed Anal* 177 (expected 2020) 112878.
 8. N. Kokras, N. Pastromas, D. Papasava, C. de Bournonville, C.A. Cornil, and **C. Dalla**, Sex differences in behavioral and neurochemical effects of gonadectomy and aromatase inhibition in rats. *Psychoneuroendocrinology* 87 (2018) 93-107.
 9. E. Karkoula, N. Lemonakis, N. Kokras, **C. Dalla**, E. Gikas, A.L. Skaltsounis, and A. Tsarbopoulos, Trans-crocin 4 is not hydrolyzed to crocetin following i.p. administration in mice, while it shows penetration through the blood brain barrier. *Fitoterapia* 129 (2018) 62-72.
 10. V. Kafetzopoulos, N. Kokras, I. Sotiropoulos, J.F. Oliveira, H. Leite-Almeida, A. Vasalou, V.M. Sardinha, Z. Papadopoulou-Daifoti, O.F.X. Almeida, K. Antoniou, N. Sousa, and **C. Dalla**, The nucleus reuniens: a key node in the neurocircuitry of stress and depression. *Mol Psychiatry* 23 (2018) 579-586.
 11. M. Gemmel, N. Kokras, C. Dalla, and J.L. Pawluski, Perinatal fluoxetine prevents the effect of pre-gestational maternal stress on 5-HT in the PFC, but maternal stress has enduring effects on mPFC synaptic structure in offspring. *Neuropharmacology* 128 (2018) 168-180.
 12. G.P. Chrousos, P. Pervanidou, and **C. Dalla**, Mini-reviews based on the First Conference of the Institute of Stress Biology & Medicine "Systems Biology-Medicine and Stress". *Hormones (Athens)* 17 (2018) 3-4. *Editorial.*
 13. A.D. Spathis, X. Asvos, D. Ziavra, T. Karampelas, S. Topouzis, Z. Cournia, X. Qing, P. Alexakos, L.M. Smits, **C. Dalla**, H.J. Rideout, J.C. Schwamborn, C. Tamvakopoulos, D. Fokas, and D.K. Vassilatis, Nurr1:RXRalpha heterodimer activation as monotherapy for Parkinson's disease. *Proc Natl Acad Sci U S A* 114 (2017) 3999-4004.

14. N. Kokras, A. Polissidis, K. Antoniou, and C. Dalla, Head shaking in the forced swim test: A robust but unexplored sex difference. *Pharmacol Biochem Behav* 152 (2017) 90-96. *Special Issue on Sex Differences*.
15. N. Kokras, and **C. Dalla**, Preclinical sex differences in depression and antidepressant response: Implications for clinical research. *J Neurosci Res* 95 (2017) 731-736. *Invited Review. Special Issue on Sex Differences*.
16. N. Kokras, D. Baltas, F. Theocharis, and C. Dalla, Kinoscope: An Open-Source Computer Program for Behavioral Pharmacologists. *Front Behav Neurosci* 11 (2017) 88.
17. M. Gemmel, M. Hazlett, E. Bogi, S. De Lacalle, L.A. Hill, N. Kokras, G.L. Hammond, **C. Dalla**, T.D. Charlier, and J.L. Pawluski, Perinatal fluoxetine effects on social play, the HPA system, and hippocampal plasticity in pre-adolescent male and female rats: Interactions with pre-gestational maternal stress. *Psychoneuroendocrinology* 84 (2017) 159-171.
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