



## Curriculum Vitae Christina Dalla, PhD

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

**Current employment:** Associate Professor, Dep. of Pharmacology, Medical School, National and Kapodistrian University of Athens, Greece, since February 2019. Clinical duties at the Aretaieio University Hospital, since 2021.

Principal Investigator: [Neuropsychopharmacology Group](#)

President Hellenic Brain Council

President [Mediterranean Neuroscience Society](#)

Member of the Board of Directors, [European Brain Foundation](#)

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### 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 and Training

**1995-2000:** Pharmacy School, National and Kapodistrian University of Athens, Greece. Graduated 2<sup>nd</sup> 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.
- **2022:** "Types of Conflict", Certificate for the online course provided by the University of California, Irvine through the Coursera platform.
- **2022:** "Foundations of Everyday Leadership", Certificate for the online course provided by the University of Illinois, Urbana-Champaign through the Coursera platform.
- **2022:** "Leadership Training Sessions", For Women In Science, Fondation L'Oreal-Unesco, virtual workshops.
- **2023:** "Negotiation Coaching Track", For Women In Science, Fondation L'Oreal-Unesco, virtual workshops.

#### **Research Statement**

My research team studies sex differences in animal models and focuses on depression, cognitive and anxiety disorders, which are more 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 aiming to find novel sex/gender-based treatments for 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. 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.

#### **Major achievements**

##### **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<sub>1A</sub> receptors” 13<sup>th</sup> 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 17<sup>th</sup> 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 15<sup>th</sup> 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 10<sup>th</sup> 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, 12<sup>th</sup> 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 to a post-doctoral fellow in my group (Dr. N. Kokras, 2016).
- **State Scholarship foundation (IKY) 2016 and 2019:** awarded twice to a post-doctoral fellow in my group (Dr. N. Kokras).
- Participation as a co-author in 11 awarded congress presentations, 2013-now.

#### **Membership and positions in scientific societies and networks**

- **President of the Mediterranean Neuroscience Society/MNS (2023).**
- **President** and Founding member of the newly-formed **Hellenic Brain Council (2023).**
- **President (2017-2019), General Secretary (2015-2017), Treasurer (2013-2015) of the Hellenic Society for Neurosciences.**
- Member of the **European Brain Foundation Board of Directors**, since 2021.
- Member of the Federation of the European Neuroscience Societies/FENS and the International Brain Research Organization, **Participation in the Governing Councils** from 2017-2018. Elected member of **FENS Communication Committee**, since 2022.
- Member of the **European College of Neuropsychopharmacology (ECNP)**, since 2013. Member of the **ECNP Scientific and Educational Committees** (since 2020). Member of the European College of Neuropsychopharmacology **Preclinical Data Network Forum** for the Assurance of Research Quality, since 2015 and member of the **Psychedelics Target Group**, since 2023.
- Member of the **International Brain Research Organization (IBRO)**, Participation at the Governing Council, 2023.
- Affiliated member of the **European Quality of Preclinical Data project (EQIPD)** funded by the EU Innovative Medicines Initiative.

- Treasurer and Founding member of the **Institute of Stress Biology and Medicine** (President: Prof. G. P. Chrousos), since 2015.
- Member of the Governing Council of **Greek Women in Academia**, since 2023.
- Member of the **Hellenic Initiative for Alzheimer's disease** network (Chair: Prof. C. Lyketsos), since 2020.
- 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 **Bioactive Natural Compounds Excellence Center** of the National and Kapodistrian University of Athens.
- Member upon election of the **DANA alliance for Brain Initiatives** since 2019 and member of the **European branch (EDAB)**, upon nomination since 2012.
- Member of the **ALBA Network** Interview Group and **co-chair ALBA events group**.
- Member of the **Women in Science network** as a L'Oreal-Unesco awardee.
- Member of the **Womentors network** and **100Mentors platform**.

#### Other positions

- **Head pharmacist at the Aretaieio Hospital** of the National and Kapodistrian University of Athens, with placement at the Obstetrics and Gynecology Clinic. Responsible for narcotics and other drugs, students' supervision and participation in hospital committees.
- Member of the **Gender Equality Committee** of the National and Kapodistrian University of Athens, since 2021. Chair of the **Gender Equality Committee** of the Medical School of the National and Kapodistrian University of Athens, since 2023.
- Scientific committee member and external evaluator at the **National Organization for Medicines** (EOF) in Greece, 2016-2020 and 2023-2025. **European Medicines Association** (EMA) Evaluator in 2018.
- Scientific committee member for the final products of pharmaceutical cannabis at the **National Organization for Medicines** (EOF) in Greece, since 2021.
- Member of the evaluation committee for the **Center for Innovation & Entrepreneurship, Archimedes**, of the National and Kapodistrian University of Athens, since 2022.
- Member of the Drug abuse committee at the **Hellenic Ministry of Health**, 2018-2022.
- Expert for the **National Bioethics Committee** in Greece, since 2021.
- Member of the **International Advisory Board** of the Institute for Medical Research, National Institute of Republic of Serbia, University of Belgrade.
- External evaluator for the **European Commission Ethics and Research Integrity Sector**, since 2018.

#### Editorial work and reviewer assignments

- **Section editor** for European Journal of Neuroscience.
- **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, July 2020:.
- Editor for the European College of Neuropsychopharmacology 2022 [Medicom Conference Report](#).
- **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, J. of the Hellenic Veterinary Medical Society, British J. of Pharmacology, Naunyn-Schmiedeberg's archives of pharmacology, Translational Psychiatry, Psychopharmacology, Neuroscience Applied, European J. of Neurology, Nature Communications, Nature Mental Health.
- **Referee** for the evaluation of research grants for the **Innovative Medicine Initiative (IMI)/European Union with EFPIA actions** (2015), **COST/ European Union actions** (2013-2014), the **Polish National Science Center** (2015- 2020), the **Irish Health Research Board** (2016), the **Cohens Veterans Biosciences** (USA, 2017), the **Research Promotion Foundation Programmes for Research, Technological Development and Innovation “RESTART”** (Cyprus 2019), the **Natural Sciences and Engineering Research Council of Canada/NSERC** (2019), the **General Secretariat of Research and Development of the Greek Ministry of Education** (since 2013), the **State Scholarship Foundation/IKY** (since 2018), the **Hellenic Foundation for Research and Innovation/HFRI** (2018 and 2021), **La Caixa** (Spain-Portugal, 2020-2021), the **Technology Agency of the Czech Republic** (2020-2022), **Swiss 3R Competence Center** (2021), **Paul G. Allen Frontiers Group** (2023).

#### List of funded projects as Principal Investigator 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**, 2019-2022.
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 (NIH-R25)**, 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, 2020-2022.
11. **WP Leader** at the research grant entitled: «Nutritional supplements with anti-anxiety and anti-depressant properties from Greek medicinal plants» funded by the **Municipality of Attica**, Coordinator: Dr. Iro Georgousi, NCSR Democritos, 2022-2024.
12. **Member of the scientific team** at the research grant entitled: "Preclinical assessment of cannabinoids' therapeutic efficacy in the Fmr1 knockout rat model of autism, CANNABinAutism", Collaborative grant co-funded by the **Greek General Secretariat of Research and Technology and European Union**, 2020-2023.
13. **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 2020-2024.

#### **Organizational activities in scientific events**

- Member of the **Scientific Programme Committee for the European College of Neuropsychopharmacology/ECNP meeting at Vienna** in 2022. Member of the **Scientific Advisory board** for the ECNP meetings 2021- 2023.
- Member of the **Organizing committee** and the **Scientific Programme committee for the Mediterranean Neuroscience Society/ MNS Conference** in Dubrovnik, Croatia, 2022 and Carthage, Tunis, 2023.
- Member of the Scientific Programme Committee of the **FENS Regional Meeting/FRM**, Portugal 2023.
- Member of the **Local Organizing committee, International Society for Molecular Neurodegeneration - ISMND**, Conference Glial and Vascular Contributions to Neurodegenerative Diseases, Athens, 2022.
- Member of the **organizing committee of the 30<sup>th</sup> meeting of the Hellenic Neuroscience Society**, Athens, 2023.
- **Member of the organizing committee and coordinator** at a symposium "SARS-COVID and stress", by the Institute of Stress Biology and Medicine, virtually, 2021.
- 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.

- **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 three symposiums at the 12<sup>th</sup> Forum and the National Conferences of the Greek Medical Students in 2018, 2019, 2021, 2022.
- Member of the **organizing and scientific committee** of the 1<sup>st</sup> and 2<sup>nd</sup> 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-chair of the organizing and scientific committee** of the 27<sup>th</sup> 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 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.
- Member of the **organizing and scientific committee** of the **2<sup>nd</sup> World Congress of Early Carrier Psychiatrist’s**, World Association of Psychiatry, Athens, 2016.
- Co-organization, as well as chair and presenter at a **clinical workshop** on “Antipsychotics”, sponsored by Janssen-Cilag Pharmaceuticals, in Athens, 2015.
- Co-organization of 8 **clinical workshops** on Psychopharmacology at scientific meetings in Greece, 2015-2019.
- **Chair at 34 scientific symposiums** in National and International Meetings, 2010-2023.
- 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.**
- Member of the **Organizing committee** of 4 lecture series at the Dep. of Pharmacology, Medical School, NKUA.

#### **Organization of public events and stakeholder participation**

- Member of the Organizing and fundraising committee for the [Gala dinner](#) of the **European Brain Foundation** on “Healthy Brains - A Key to Future Generations” during the Brain Awareness Week 2023 in Brussels.
- Member of the **Organizing committee** for the “**Brain Awareness week**” in Athens from 2011, regularly funded by FENS-EDAB.
- 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.
- 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.
- Speaker and participant at the **5<sup>th</sup> and 9<sup>th</sup> National Brain Councils Academia**, organized by the European Brain Council at Dubrovnik, Croatia in 2019 and in Brussels 2023. Contribution in advocacy initiatives and in the foundation of the Hellenic Brain Council.
- Presentation of the [Launching of the Hellenic Brain Council](#) in the 6<sup>th</sup> and 7<sup>th</sup> National Brain Council Academy meetings (virtually).

- Participation as stakeholder at the EU - **ENERI Stakeholder Workshop on Research Integrity and Ethics**, Athens 2017.
- Participation in three **ECNP Preclinical Data Network meetings** as stakeholder in Leiden and Amsterdam 2017, 2018 and 2019.
- Participation as member of the **Erasmus+ programme Share4Brain** (2019-2022) in the organization of two webinars and organization of frequent stakeholder virtual events.
- Participation in **Voice Summit Online Academy** (organized by Lundbeck pharmaceutical), as president of the Hellenic Brain Council in 2021.

**Public talks, interviews and scientific knowledge transfer** ([link](#) for a detailed list)

- Participation in the “**Brain Awareness week**” from 2008-2023, with **several school talks** on Neurosciences and **talks for the lay public** in Athens at the Eugenides Foundation, the Shantom Center, the Athens Science Festival, Megaron Plus, Museum Benaki, Stavros Niarchos Cultural Center, National Hellenic Research Foundation and virtually for the [Greek Pharmaceutical Students Federation](#). Topics covered: psychopharmacology, adult neurogenesis, sex differences, neuroplasticity (part of the “I Care for my Brain” virtual conference).
- Participation as speaker at the **European Parliament** at the public event “All in One Brain”, 2023.
- Participation as speaker and member of the Communication Committee at the **FENS-CARE Webinar**, “Brain research needs animal models: Let's talk about it!”, 2023.
- Participation as **invited guest** in 7 TV shows, 3 pod-casts (in Greek) and 16 Greek radio programs, 2008-2023.
- Interview, which was included in an article at **Nature Biotechnology** 39, pages 260–265 (2021) “[The missing sex](#)”.
- [Press conference at the FENS Virtual Forum 2020 on sex differences in neurosciences](#): also, covered by [VJDementia](#) with [video interviews](#).
- **Interview by the European College of Neuropsychopharmacology 2021** ECNP Congress programme spotlight: [Christina Dalla on sex, gender and neuroscience](#).
- **Interview by the European College of Neuropsychopharmacology 2022** for the highlights of the [35<sup>th</sup> ECNP Congress](#)
- [Interview](#) at the **#TransparencyThursday** organized by the **European Animal Research Association** in 2021.
- Interview at the “[Mystery of the brain](#)” meeting at Tübingen, Germany in 2019.
- Contribution at the Hellenic Ministry of Education web site for excellence, 2009.
- 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.

**Participation at events regarding Equity, Diversity and Inclusion**

- Invited [commentary](#) published at **Nature Mental Health**, 1, 383–384 (2023) entitled “Integrating sex and gender in mental health research: enhanced funding for better treatments”.
- Interview (in Greek) C. Dalla, [«Vima» Social Sciences](#), Vol. 21 number. 77 (2023)
- Participation at an elementary school event for “**Women in STEM**” with an [interview](#), organized by the Network for Children’s Rights in Athens, 2023.
- Interview on the book [Gender Medicine](#) organized by Crete University Press, Athens 2023.



- Two public talks on the topic “**Women in Science and Science for Women**” at the Neuroscience Institute of Alicante, Spain (virtually 2022), at the American College of Greece 2023 for the National Day of Women and Girls in Sciences on February 11th.
- Speaker at two **ALBA events** at the 2022 Mediterranean Neuroscience Meeting in Croatia and the 2023 Meeting of the Swiss Society Neuroscience Meeting.
- Chair and mentor at the **Women in Science Biosciences- WiBS** event in Athens, 2022.
- Participation as stakeholder in virtual meetings organized by the **Women’s Brain Project** in Switzerland.
- **Member of the organizing committee** at four virtual and one hybrid events organized by the **Gender equality Committee of the National and Kapodistrian University of Athens** with topics “Sexual harassment in Academia”, “History of Women in Academia in Greece”, “Girls and Women in Science”, “Gender and Mental Health during the Pandemic”, 2021-2022.
- **TV interview-** personal profile **documentary**, as part of a Women’ documentary series Syn-Yinaixi on national Greek TV in 2021.
- Interview as a past “**L’Oreal-Unesco**” awardee in Athens, 2021.
- Speaker at the event “**Women in Biosciences**” organized by the EU program RegBios and the Democritus University of Thrace, virtual 2021.
- Participation at the panel regarding “[The role of women scientists on academic community](#)”, organized by Women On Top in collaboration with the Public Health - Crisis Med Master’s Programme, National and Kapodistrian University of Athens (virtually).
- [Interview](#) for the **Womentors project** in 2021, which aims to strengthen and enhance the sustainability of civil society and to highlight its role in promoting democratic processes, enhancing citizen participation in the community and defending human rights.
- Publication at the Journal of Neuroscience Research “[Voices of women in neuroscience](#)” *J Neuro Res. 2020;00:1–2:*
- **Advocacy actions** as part of the **law reformation in Greece** on family issues and parenting (2020-2021): talk for the general public: “A neuroscientist perspective on alternating residence and cognitive flexibility”, two TV interviews, two radio interviews, four magazine/newspaper interviews, contribution in one [signature collection of women in academia](#) and writing of one article for the general public in “Athens Voice”.
- Writing of a book chapter as a Neuroscientist’s perspective in a book on [Shared Parenting](#) published in Greek by Gutenberg Press, 2022. Participation as one of the local organizers and as a chair at the [International Conference on Shared Parenting- ICSP](#), held in Athens, May 2023.
- Invited Speaker and Contributor: “[Professional Development Workshop: How to thrive as a Woman in Neuroscience](#)”, *Society for Neuroscience meeting/SfN, Chicago, USA 2019.*
- Speaker and [participant at the event and exhibition](#) “**For Women in Sciences**” organized by “**L’Oreal-Unesco**” in Athens, September 2018. Covered by the media and gave multiple interviews.
- **Commentaries, press releases, podcasts** and multiple **interviews** in several Greek newspaper, radio programmes, podcasts and magazines (such as ELLE and Marie Claire) for **Women in Science, gender equality, sex differences, homosexuality** and other scientific topics.
- Invited Speaker on the impact of IKY Fellowships on **Career development as a woman**, organized by the **Hellenic State Scholarship Foundation**, 2018.

- 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.
- 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.

### Books and leaflets for the general public

- **Scientific editing** of the Greek translation of the book “**The Biology of Homosexuality**”, Crete University Press, 2016. Author of the preface. Public presentation of the book in 2018.
- **Scientific co-Editor** of the book “**Addiction**” published by Crete University Press, 2018. Co-author of two chapters and the preface. Public presentation of the book in 2019.
- **Scientific co-Editor** of the book “**When reasoning chases memory. The multidimensional threat of Alzheimer's disease in the 21<sup>st</sup>-century**”. Published by Crete University Press, 2021. Co-author of three chapters and the preface. Public presentation of the book in 2021.
- **Scientific editing** of the Greek translation of the books “**Drug Hunters**”, “**Gender Medicine**” and “**Neuroeducation**” for the lay public, Crete University Press, 2021.
- 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**, since 2019.
- Frequent contributions at **EDAB’s member’s newsletter** (European brunch of DANA Initiative for the Brain), since 2012.
- As member of the Erasmus+ programme Share4Brain (2019-2021), participation in the release of the “**Share of good practices in Brain Education**” leaflet in 4 languages and the launch of the [website](#).

### Teaching and educational activity

- **Assistant 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. Teaching Erasmus+ students in English, 2020-2021.
- **Co-Coordinator** of the undergraduate elective course “**Addiction**” at the Medical School, National and Kapodistrian University of Athens, Greece, since 2013. Publication of the book “Addiction” by Crete University Press, 2018.
- **Coordinator** of the “Neuropsychopharmacology” course for the MSc programs “Molecular Medicine/ Neurobiology” (2012-2015) and “Athens International Master’s Programme in Neurosciences” (since 2017), National and Kapodistrian University of Athens. Member of the Internal Evaluation committee.
- **co-Coordinator** of the **Master course “Chemical and Molecular Neuroanatomy”** at the Program of Clinical and experimental Neurosurgery, National and Kapodistrian University of Athens (since 2018).
- **Member of the coordinating Master Committee “Evaluation and Management of Professional, Environmental and Pharmaceutical Risk”**, Medical School, National and Kapodistrian University of Athens, since 2019.

- Teaching of multiple **Master courses on Pharmacology** (Pharmacokinetics, Pharmacology, Neuropsychopharmacology and Neurosciences) in the **MSc programs** of Advanced Pharmacology, Psychiatry, Behavioral Neurosciences, Neuroanatomy, Molecular Medicine, Clinical Pharmacy, Pneumonology, Cardiology, Physiology, Stress, Children’s Psychiatry, Midwifery, Pain, Drug Discovery, Parenthood - Lactation, and Epidemiology at the National and Kapodistrian University of Athens 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.
- Development of an **open-access 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.

#### **Student’s supervision**

- Supervision of 2 **Post-doctoral fellows: Dr. Ioannis Sotiropoulos**, biologist/neuroscientist, 2012-2015 and **Dr. Nikolaos Kokras**, psychiatrist, since 2012.
- Supervision of **23 Master students** (15 thesis conduction and 6 internships)
- Supervision of **30 undergraduate students** (10 thesis conduction and 10 short-term internships). Thesis supervision of **one Dutch undergraduate fellow** from the Dep. of Pharmacy, University of Utrecht (2020).
- Responsible for the internship of more than 20 pharmacy students at the pharmacy of the University Aretaieio Hospital, since 2021.
- **Supervision of Ph.D. Students**
  - P. Pavlidi, biologist, ongoing PhD thesis, since 2020.
  - V. Kafetzopoulos, medical doctor, defense with honors, June 2018.
  - N. Pastromas, veterinarian, defense with honors, December 2016.
- Member of the three-member Ph.D. supervision committee for **14 PhD students**.
- Member of the **PhD evaluation committee** in more than 26 PhD thesis, including one from the University of Barcelona in Spain (2022) and one from the University of Wollongong in Australia (2023).
- **Short-term supervision of 5 PhD International students-fellows**
  - J. Kowalczyk, **Laboratory of Behavioral Studies Medical University of Lublin, Poland**, fellow of the Operational Programme Knowledge Education Development co-financed by the European Union under the European Social Fund, spent three months in 2019, in my lab in Athens.
  - R. Koprdoová, Institute of Experimental Pharmacology and Toxicology, **Slovak Academy of Sciences**, spent one month in 2016 in my lab in Athens.
  - A. Novais, ICVS, **University of Minho, Braga, Portugal**, spent two months in 2012 in my lab in Athens.
  - T. Porto, **University of Porto, Brazil**, CAPES fellow, spent four months in 2012 in my lab in Athens.
  - Mikail Hudu Garba, veterinarian, 2010 - 2012 (C. Dalla: member of his three-member Ph.D. committee at the Dep. of Pharmacology, Medical School, National and Kapodistrian University of Athens). **State Scholarship foundation (IKY) fellow from Nigeria**.

### Invited educational lectures

- Invited educational lectures in English at **Bochum University** (2008), **Univ. of Hamburg in Germany** (2011), **Univ. of Crete**, Greece (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), **Inserm**, France (virtually, 2020), **Hellenic Initiative for Against Alzheimer's disease/HIAAD** virtual seminar series (2021), **Hellenic Society for Neurosciences** virtual seminar series (2021), virtually in **Egypt** (2021), virtually in **Nigeria** (2023), in person at the **University of Catania in Italy** (2023), **FENS-HERTIE** winter school in Austria (2023).
- **Invited lecture and consultation** for PhD students of the Faculty of Pharmacy at the Medical **University of Lublin in Poland** (virtually) within the project "Modern Pharmacy. Interdisciplinary doctoral studies in the field of research on drugs" EU Operational Programme Knowledge Education Development, December 2020.
- Invited speaker and mentorship at the Summer School in Medical & Biosciences Research & Management, of the **World Hellenic Biomedical Association (WHBA)** with talk entitled: "Sex Differences in Neurobiology and Disease: why should we care ?", Lakonia, Greece, 2022.
- Organisation and chairing of an Educational session at **35<sup>th</sup> European College of Neuropsychopharmacology Congress at Vienna**, Austria 2022, entitled: "Addressing sex differences in neuropsychopharmacological preclinical and clinical research".
- Invited speaker (virtually) at the **Gender-In Workshop** entitled: "How can we incorporate sex and gender in preclinical and clinical research?".
- **42 Invited educational/scientific lectures in Greek** (2011-2023)

### Invited lectures at international conferences

1. Selected oral presentation, "Learning enhances neurogenesis in the female brain.", **37<sup>th</sup> Society for Neuroscience meeting/SfN meeting, San Diego, USA, 2007.**
2. Young Investigator award and speaker, "Learning increases neurogenesis in the female hippocampus". **12<sup>th</sup> 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", **16<sup>th</sup> World Congress of Basic Clinical Pharmacology, Denmark, 2010.**
4. Symposium speaker, "Sex differences in animal models of depression", **15<sup>th</sup> 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", **42<sup>nd</sup> 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", **7<sup>th</sup> International meeting of Steroids and the Nervous System, Turin, Italy, 2013.**
7. Symposium Speaker and **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", **8<sup>th</sup> 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 and **Chair**, “Neuroplasticity modulation: effects of stress, gender and antidepressants” *16<sup>th</sup> Annual Meeting of the International College of Geriatric Psychoneuropharmacology & 5<sup>th</sup> International Congress on Psychiatric and the Neurosciences, Athens, Greece, 2016.*
12. Symposium speaker, “Sex differences in stress response: the role of estrogens, monoamines and brain circuits”, *11<sup>th</sup> Meeting of the Organization for the Study of Sex Differences/OSSD, Montreal, Canada, 2017.*
13. Symposium speaker, “Stressful exposure and sex differences in brain vulnerability to depressive pathology”, *Mediterranean Neuroscience Society/MNS meeting, Malta, 2017.*
14. Symposium speaker, “Sex differences in depression: The role of neuroestrogens”, *14<sup>th</sup> World Congress of Biological Psychiatry/WBP, Copenhagen, Denmark, 2017.*
15. Speaker and **Chair**, “Sex differences in models of depression and antidepressant response”, *Biennial European Behavioral Pharmacology Society/EBPS meeting, Crete, 2017.*
16. Symposium speaker and **Chair**, “Sex differences in models of depression and antidepressant response”, *30<sup>th</sup> European College of Neuropsychopharmacology/ECNP meeting, Paris, France, 2017.*
17. Symposium speaker, “Neurocircuitry of stress and neuroplasticity indices: How males and females differ?”, *2<sup>nd</sup> International Congress on Evidence Based Mental Health, Kavala, Greece, 2018.*
18. Symposium speaker, “Sex differences in psychopharmacology: from estrogens to neuroestrogens in models of depression” *10<sup>th</sup> International meeting of Steroids and the Nervous System, Turin, Italy 2019.*
19. Invited Speaker: “Sex differences in neuropsychopharmacology: the antidepressant paradigm”, *IMPRS-TP Retreat of the Max Planck Institute of Translational Psychiatry, Salzburg, Austria, 2019.*
20. Symposium Speaker and **Chair**: “Sex differences in psychopharmacology: insights from animal models of depression” *20<sup>th</sup> International Congress of the Polish Pharmacological Society, Lublin, Poland 2019.*
21. Symposium Speaker: “Sex differences in learning and emotion: effects of pharmacological approaches” *7<sup>th</sup> Mediterranean Neuroscience Conference, Morocco, June 2019.*
22. 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.*
23. Symposium Speaker: “Sex differences in animal models of depression: insights from neuropsychopharmacology”, *FENS 2020, Virtual Forum, July 2020.*
24. Invited Speaker: “Biological aspects of sex differences in mental health and its treatment”, *Regulatory update session, in collaboration with the European Medicines Agency (EMA). 33<sup>d</sup> European College of Neuropsychopharmacology/ECNP Virtual Congress, 2020. [Commentary at Nature Reviews Drug Discovery, 2021.](#)*
25. Invited Symposium Speaker: “Sex differences in neuropsychopharmacology: the antidepressant paradigm”, *10<sup>th</sup> Annual Meeting, Biological Psychiatry, Australia (virtually), October 2020.*
26. Invited Symposium Speaker: *IBRO-MENA School and Conference: Clinical Neuroscience from bench to Bedside*, “The importance of studying sex differences in neuropsychopharmacology”, Tunisia (virtually), October 2021.

27. Invited Symposium Speaker: **34<sup>th</sup> European College of Neuropsychopharmacology/ECNP Hybrid Congress**, «Addressing sex differences in preclinical neuropsychopharmacological research», Portugal, October 2021.
28. Invited Symposium Speaker, **ALBA Session: Science and Networking Session at the 8<sup>th</sup> Mediterranean Neuroscience Society Meeting**, “Sex and gender aspects of neuropsychiatric research”, Dubrovnik, Croatia, May 2022.
29. Invited Speaker at the Symposium: **SABV-Sex as Biological Variable in Biomedical Research**, “The importance of SABV in neuroscience and neuropsychopharmacology”, Bern, Switzerland, June 2022.
30. Invited Speaker at an ALBA event during the Swiss Society Neuroscience meeting, “**Sex and gender in research and innovation: insights from neuropsychopharmacology**”, Lugano, Switzerland, June 2023.
31. Invited Symposium Speaker and chair at the **9<sup>th</sup> Mediterranean Neuroscience Society Meeting**, “Sex as a biological variable in preclinical neuropsychopharmacology”, Carthage, Tunis, October 2023.

### Scientific production

81 scientific papers in PubMed: 2 Editorial, 15 reviews, 3 Chapters, 1 Methods and 60 Research papers

Book chapters: 6 in English and 13 in Greek, Conference abstracts >170 in English and Greek  
 Guest-Editor: 2 (*Hormones and European Journal of Neuroscience*) Book Scientific Editor: 2  
Citations: 5398, h-index = 38 (Source: Google Scholar, [Profile](#))

### Publications

1. Practical solutions for including sex as a biological variable (SABV) in preclinical neuropsychopharmacological research. **Dalla C**, Jaric I, Pavlidi P, Hodes GE, Kokras N, Bespalov A, Kas MJ, Steckler T, Kabbaj M, Würbel H, Marrocco J, Tollkuhn J, Shansky R, Bangasser D, Becker JB, McCarthy M, Ferland-Beckham C. *Journal of Neuroscience Methods*. 2024 Jan 1;401:110003. Drug-drug interactions between COVID-19 drug therapies and antidepressants. Davoutis E, Panou C, Stachika N, **Dalla C**, Kokras N. *Expert Opinion in Drug Metabolism and Toxicology*. 2023 Nov 7:1-14.
2. G. E. Hodes, D. Bangasser, I. Sotiropoulos, N. Kokras and **C. Dalla**. Sex differences in stress response: classical mechanisms and beyond. *Current Neuropharmacology*. 2023, in press. Invited Review.
3. **Dalla, C**. Integrating sex and gender in mental health research: enhanced funding for better treatments. *Nat. Mental Health* 1, 383–384, Commentary, (2023). <https://doi.org/10.1038/s44220-023-00076-2>
4. Papadea, D., **Dalla, C.**, & Tata, D. A. (2023). Exploring a Possible Interplay between Schizophrenia, Oxytocin, and Estrogens: A Narrative Review. *Brain sciences*, 13(3), 461.
5. Dandi, E., Spandou, E., **Dalla, C.**, & Tata, D. A. (2023). The neuroprotective role of environmental enrichment against behavioral, morphological, neuroendocrine and molecular changes following chronic unpredictable mild stress: A systematic review. *The European journal of neuroscience*, 10.1111/ejn.16089.
6. Eck, S. R., Kokras, N., Wicks, B., Baltimas, P., Hall, A., van Bendegem, N., Salvatore, M., Cohen, S. R., Bergmann, J., Ceretti, A., Parikh, V., **Dalla, C.**, & Bangasser, D. A. (2022). Corticotropin releasing factor in the nucleus basalis of Meynert impairs attentional performance and reduces levels of glutamate and taurine in male and female rats. *Neuropharmacology*, 221, 109280.

7. Pavlidi, P., Kokras, N., & **Dalla, C.** (2022). Sex Differences in Depression and Anxiety. *Current topics in behavioral neurosciences*, 10.1007/7854\_2022\_375.
8. Kowalczyk J, Nakos-Bimpos M, Polissidis A, **Dalla C**, Kokras N, Skalicka-Woźniak K, Budzyńska B. Imperatorin Influences Depressive-like Behaviors: A Preclinical Study on Behavioral and Neurochemical Sex Differences. *Molecules*. 2022 Feb 10;27(4):1179.
9. **Dalla C**, Pavlidi P, Sakelliadou DG, Grammatikopoulou T, Kokras N. Sex Differences in Blood-Brain Barrier Transport of Psychotropic Drugs. *Front Behav Neurosci*. 2022 May 23;16:844916.
10. A. Sil, A. Bernaldo, **C. Dalla**, C. Ferland-Beckham, AA, Herremans, K. Karantzas, M. JH Kas, N. Kokras, M. J Parnham, P. Pavlidi, K. Pristouris, T. Steckler, G. Riedel and C. Emmerich, "PEERS - an open science "Platform for the Exchange of Experimental Research Standards" in biomedicine" *Frontiers in Behavioral Neuroscience*, (2021).
11. F. Butlen-Ducuing, E. Balkowiec-Iskra, **C. Dalla**, D. Slattery, M. Ferretti, N. Kokras, P. Balabanov, C. De Vries, S. Mellino, A. Santuccion Chadha, Implications of sex-related differences in central nervous system disorders for drug research and development. *Nat Rev Drug Discov* (2021) July 5<sup>th</sup>, Comment.
12. P. Pavlidi, N. Kokras, **C. Dalla**, Antidepressants' effects on testosterone and estrogens: What do we know? *Eur J Pharmacol* 899 (2021) 173998. *Invited paper. Special Issue on Sex Differences*.
13. N. Pouliou, F. Delis, C. Brakatselos, A. Polissidis, Y. Koutmani, N. Kokras, **C. Dalla**, P. Politis, K. Antoniou, Detrimental effects of adolescent escalating low-dose  $\Delta^9$ -tetrahydrocannabinol leads to a specific bio-behavioural profile in adult male rats. *Br J Pharmacol* 178(7) (2021) 1722-1736.
14. M. Sotiropoulos, E. Poulogiannopoulou, F. Delis, **C. Dalla**, K. Antoniou, N. Kokras, Innovative screening models for the discovery of new schizophrenia drug therapies: an integrated approach. *Expert Opin Drug Discov* 16(7) (2021) 791-806. *Invited paper*.
15. J. Kowalczyk, M. Nakos-Bimpos, A. Polissidis, **C. Dalla**, N. Kokras, K. Skalicka-Wozniak, B. Budzyńska, Xanthotoxin affects depression-related behavior and neurotransmitters content in a sex-dependent manner in mice. *Behav Brain Res* 399 (2021) 112985.
16. V. Kafetzopoulos, N. Kokras, N. Sousa, K. Antoniou, I. Sotiropoulos, **C. Dalla**, Nucleus Reunions Lesion and Antidepressant Treatment Prevent Hippocampal Neurostructural Alterations Induced by Chronic Mild Stress in Male Rats. *Neuroscience* 454 (2021) 85-93. *Invited paper, Special Issue on Brain Metaplasticity*.
17. N. Kokras, S. Krokida, T. Varoudaki, **C. Dalla**, Do corticosterone levels predict female depressive-like behavior in rodents? *J Neurosci Res* 99(1) (2021) 324-331.
18. N. Kokras, E. Poulogiannopoulou, M. Sotiropoulos, R. Paravatou, E. Goudani, M. Dimitriadou, E. Papakonstantinou, G. Doxastakis, D. Perrea, G. Hloupis, A. Angelis, A. Argyropoulou, A. Tsarboboulos, A. Skaltsounis, **C. Dalla**, Behavioral and Neurochemical Effects of Extra Virgin Olive Oil Total Phenolic Content and Sideritis Extract in Female Mice. *Molecules* 25,21 5000 (2020).
19. A. Cunha, M. Guimarães, N. Kokras, I. Sotiropoulos, N. Sousa, A. Almeida, **C. Dalla**, H. Leite-Almeida, Mesocorticolimbic monoamines in a rodent model of chronic neuropathic pain. *Neurosci Lett* 737 (2020) 135309.
20. J. Pawluski, N. Kokras, T. Charlier, **C. Dalla**, Sex matters in neuroscience and neuropsychopharmacology. *Eur J Neurosci* 52 (2020) 2423-2428.
21. N. Kokras, C. Dioli, R. Paravatou, G. Sotiropoulos, F. Delis, K. Antoniou, T. Calogeropoulou, I. Charalampopoulos, A. Gravanis, **C. Dalla**, Psychoactive properties

- of BNN27, a novel neurosteroid derivate, in male and female rats. *Psychopharmacology (Berl)* 237 (2020) 2435-2449.
22. D. Monteiro-Fernandes, M. Silva, C. Soares-Cunha, **C. Dalla**, N. Kokras, F. Arnaud, R. Billiras, V. Zhuravleva, C. Waites, S. Bretin, N. Sousa, I. Sotiropoulos, Allosteric modulation of AMPA receptors counteracts Tau-related excitotoxic synaptic signaling and memory deficits in stress- and A $\beta$ -evoked hippocampal pathology. *Mol Psychiatry* (2020).
  23. J. Pawluski, R. Paravatou, A. Even, G. Cobraiville, M. Fillet, N. Kokras, **C. Dalla**, T. Charlier, Effect of sertraline on central serotonin and hippocampal plasticity in pregnant and non-pregnant rats. *Neuropharmacology*. 166. (2020) 107950.
  24. 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*.
  25. 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.
  26. N. Poulia, F. Delis, C. Brakatselos, P. Lekkas, N. Kokras, **C. Dalla**, 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*.
  27. 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.
  28. G. Balta, **C. Dalla**, and N. Kokras, Women's Psychiatry. *Adv Exp Med Biol* 1192 (2019) 225-249. *Invited Book Chapter, Frontiers in Psychiatry, Springer Ed.*
  29. C. Dioli, P. Patricio, N. Sousa, N. Kokras, **C. Dalla**, S. Guerreiro, M.A. Santos-Silva, A.C. Rego, L. Pinto, E. Ferreira, 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.
  30. 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 (2020) 112878.
  31. 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.
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  33. 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.
  34. 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.
35. 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*.
  36. A.D. Spathis, X. Asvos, D. Zivara, 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.
  37. 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*.
  38. 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*.
  39. N. Kokras, D. Baltas, F. Theocharis, and **C. Dalla**, Kinoscope: An Open-Source Computer Program for Behavioral Pharmacologists. *Front Behav Neurosci* 11 (2017) 88.
  40. 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.
  41. M.M. Carvalho, F.L. Campos, M. Marques, C. Soares-Cunha, N. Kokras, **C. Dalla**, H. Leite-Almeida, N. Sousa, and A.J. Salgado, Effect of Levodopa on Reward and Impulsivity in a Rat Model of Parkinson's Disease. *Front Behav Neurosci* 11 (2017) 145.
  42. S. Lopes, J. Vaz-Silva, V. Pinto, **C. Dalla**, N. Kokras, B. Bedenk, N. Mack, M. Czisch, O.F. Almeida, N. Sousa, and I. Sotiropoulos, Tau protein is essential for stress-induced brain pathology. *Proc Natl Acad Sci U S A* 113 (2016) E3755-63.
  43. M. Gemmel, I. Rayen, E. van Donkelaar, T. Loftus, H.W. Steinbusch, N. Kokras, **C. Dalla**, and J.L. Pawluski, Gestational stress and fluoxetine treatment differentially affect plasticity, methylation and serotonin levels in the PFC and hippocampus of rat dams. *Neuroscience* 327 (2016) 32-43.
  44. M. Gemmel, I. Rayen, T. Lotus, E. van Donkelaar, H.W. Steinbusch, S. De Lacalle, N. Kokras, **C. Dalla**, and J.L. Pawluski, Developmental fluoxetine and prenatal stress effects on serotonin, dopamine, and synaptophysin density in the PFC and hippocampus of offspring at weaning. *Dev Psychobiol* 58 (2016) 315-27.
  45. P. Morgado, F. Marques, B. Ribeiro, H. Leite-Almeida, J.M. Pego, A.J. Rodrigues, **C. Dalla**, N. Kokras, N. Sousa, and J.J. Cerqueira, Stress induced risk-aversion is reverted by D2/D3 agonist in the rat. *Eur Neuropsychopharmacol* 25 (2015) 1744-52.
  46. A. Melo, N. Kokras, **C. Dalla**, C. Ferreira, A.P. Ventura-Silva, N. Sousa, and J.M. Pego, The positive effect on ketamine as a priming adjuvant in antidepressant treatment. *Transl Psychiatry* 5 (2015) e573.
  47. N. Kokras, K. Antoniou, H.G. Mikail, V. Kafetzopoulos, Z. Papadopoulou-Daifoti, and **C. Dalla**, Forced swim test: What about females? *Neuropharmacology* 99 (2015) 408-21.
  48. N. Kokras, N. Pastromas, T.H. Porto, V. Kafetzopoulos, T. Mavridis, and **C. Dalla**, Acute but not sustained aromatase inhibition displays antidepressant properties. *Int J Neuropsychopharmacol* 17 (2014) 1307-13.

49. N. Kokras, and **C. Dalla**, Sex differences in animal models of psychiatric disorders. *Br J Pharmacol* 171 (2014) 4595-619. *Invited Review*.
50. A. Batzina, **C. Dalla**, A. Tsopelakos, Z. Papadopoulou-Daifoti, and N. Karakatsouli, Environmental enrichment induces changes in brain monoamine levels in gilthead seabream *Sparus aurata*. *Physiol Behav* 130 (2014) 85-90.
51. A. Batzina, **C. Dalla**, Z. Papadopoulou-Daifoti, and N. Karakatsouli, Effects of environmental enrichment on growth, aggressive behaviour and brain monoamines of gilthead seabream *Sparus aurata* reared under different social conditions. *Comp Biochem Physiol A Mol Integr Physiol* 169 (2014) 25-32.
52. P.M. Pitychoutis, N. Kokras, D. Sanoudou, **C. Dalla**, and Z. Papadopoulou-Daifoti, Pharmacogenetic considerations for late life depression therapy. *Expert Opin Drug Metab Toxicol* 9 (2013) 989-99.
53. A. Novais, A.C. Ferreira, F. Marques, J.M. Pego, J.J. Cerqueira, A. David-Pereira, F.L. Campos, **C. Dalla**, N. Kokras, N. Sousa, J.A. Palha, and J.C. Sousa, Neudesin is involved in anxiety behavior: structural and neurochemical correlates. *Front Behav Neurosci* 7 (2013) 119.
54. C. Kyratsas, **C. Dalla**, E. Anderzhanova, A. Polissidis, N. Kokras, K. Konstantinides, and Z. Papadopoulou-Daifoti, Experimental evidence for sildenafil's action in the central nervous system: dopamine and serotonin changes in the medial preoptic area and nucleus accumbens during sexual arousal. *J Sex Med* 10 (2013) 719-29.
55. D.P. Bessinis, **C. Dalla**, N. Kokras, P.M. Pitychoutis, and Z. Papadopoulou-Daifoti, Sex-dependent neurochemical effects of environmental enrichment in the visual system. *Neuroscience* 254 (2013) 130-40.
56. P.M. Pitychoutis, **C. Dalla**, A.C. Sideris, P.A. Tsonis, and Z. Papadopoulou-Daifoti, 5-HT(1A), 5-HT(2A), and 5-HT(2C) receptor mRNA modulation by antidepressant treatment in the chronic mild stress model of depression: sex differences exposed. *Neuroscience* 210 (2012) 152-67.
57. H.G. Mikail, **C. Dalla**, N. Kokras, V. Kafetzopoulos, and Z. Papadopoulou-Daifoti, Sertraline behavioral response associates closer and dose-dependently with cortical rather than hippocampal serotonergic activity in the rat forced swim stress. *Physiol Behav* 107 (2012) 201-6.
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