

*CURRICULUM VITAE*

Stella G. Giakoumaki

*Professor of Clinical Neuropsychology*

*Department of Psychology, University of Crete*

*Rethymno, September 2023*



☰ Department of Psychology

Faculty of Social Sciences

University of Crete



+30 28310 77541



sgiakoumaki@uoc.gr

## 1. Current position

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|-------------------|---|
| 07.2022 – present | Professor of Clinical Neuropsychology, Department of Psychology, University of Crete                  |
| 12.2021 – present | Director, University of Crete Research Center for the Humanities, the Social and Educational Sciences |
| 09.2019 – present | Director, Laboratory of Neuropsychology, Department of Psychology, University of Crete                |

## 2. Career

07.2022 – present	Member of the Interdisciplinary Laboratory “Health and Society” of the Faculty of Medicine, University of Crete
03.2019	Foundation of the Laboratory of Psychology, Department of Psychology, University of Crete
09.2018 – 08.2022	Chair of the Department of Psychology, University of Crete
05.2017 – 07.2022	Associate Professor of Clinical Neuropsychology, Department of Psychology, University of Crete
09.2014 – 05.2017	Tenured Assistant Professor of Clinical Neuropsychology, Department of Psychology, University of Crete
06.2010 – 09.2014	Assistant Professor (non-tenured) of Clinical Neuropsychology, Department of Psychology, University of Crete
11.2011 – present	Ordinary Member of the MSc in Neuroscience, Faculty of Medicine, University of Crete
09.2009 – 06.2010	Adjunct Assistant Professor, Department of Psychology, University of Crete
01.2007 – 06.2010	Psychologist, Psychiatric Clinical of the University General Hospital in Heraklion, Crete
2006 – 2010	Senior visiting research Fellow, Section of Neurobiology of Psychosis, Institute of Psychiatry, London, UK
2005 – 2006	Honorary post-doctorate researcher, Section of Neurobiology of Psychosis, Institute of Psychiatry, King’s College, London, UK
1999	Licensed psychologist, Greece

### 3. Studies and further training

- 2005 – 2006 Training in Clinical Neuropsychology, Institute of Psychiatry, London, UK
- 2003 – 2005 Clinical seminars in psychotherapeutic skills and Cognitive-Behavioral Therapy, Psychiatric Clinic of the University General Hospital in Heraklion, Crete
- 2003 – 2005 Clinical seminars in psychoanalytic psychopathology and psychotherapy, Psychiatric Clinic of the University General Hospital in Heraklion, Crete
- 2001 – 2005 PhD – Laboratory of Experimental Psychopathology, Department of Psychiatry and Behavioral Sciences, faculty of Medicine, University of Crete
- 1998 – 2001 MSc in Neuroscience, Faculty of Medicine, University of Crete
- 1994 – 1998 BSc in Psychology, Department of Psychology, University of Crete

#### 4. Teaching

##### 4.1. Undergraduate studies program, Department of Psychology, University of Crete

*Neuropsychology*, Required course - spring semester of the academic years 2010-2011 up to 2021-2022.

*Methodology of scientific research in social sciences*, Required course - winter semester of the academic years 2013-2014 up to 2016-2017.

*Physiology of behaviour I: Basic principles and sensory systems*, Required course - winter semester of the academic year 2010-2011.

*Clinical neuropsychology*, Elective course - winter semester of the academic years 2011-2012 and 2012-2013.

*Clinical neuropsychology of neuropsychiatric disorders*, Elective course - spring semester of the academic year 2012-2013 and 2016-2017.

*Clinical neuropsychology of schizophrenia and bipolar disorder*, Elective course (seminar) - winter semester of the academic years 2009-2010 up to 2017-2018 and 2019-2020 up to 2022-2023.

*Adult clinical neuropsychological assessment: attention and executive functions*, Elective course (laboratory) - spring semester of the academic years 2010-2011 up to 2011-2012, 2013-2014 up to 2015-2016 and 2017-2018.

*Neuropsychological assessment*, Elective course (laboratory) - winter semester of the academic years 2017-2018 and 2018-2019.

*Clinical neuropsychological assessment: memory and executive functions*, Elective course (laboratory) - spring semester of the academic year 2009-2010.

Supervision of 33 undergraduate theses.

Supervision of 54 students during their practicum.

##### 4.2. MSc “Clinical Interventions in Addictions”, Department of Psychology, University of Crete

*Neurocognitive deficits and their role in drug abuse and addiction*, Lectures for the course entitled «The neurobiological and psychopharmacological basis of drug abuse and addiction» during the winter semester of the academic years 2016-2017, 2018-2019 and 2020-2021.

#### 4.3. MSc “Health Psychology and School Psychology”, Department of Psychology, University of Crete

*Biobehavioural interactions*, Required course for both divisions - winter semester of the academic years 2012-2013 and 2014-2015 (Co-taught with A. Kastellakis and G. Panagis).

*Psychometric assessment*, Required course for the division of Health Psychology - winter semester of the academic year 2014-2015 (Co-taught with E. Karadimas).

*Psychodiagnostic methods II*, Required course for the division of School Psychology - spring semester of the academic year 2011-2012 (Co-taught with P. Simos).

*Assessment methods of intelligence and learning abilities*, Required course for the division of School Psychology - winter semester of the academic year 2010-2011.

*Assessment methods of psychomotor and neuropsychological development*, Required course for both divisions - spring semester of the academic year 2009-2010.

#### 4.4. MSc “Neuroscience”, Faculty of Medicine, University of Crete

*Research ethics in human studies*, Seminar - winter semester of the academic year 2013-2014 and the spring semester of the academic 2015-2016.

*Neuropsychology: Theory and implementation*, Elective course - spring semester of the academic years 2012-2013, 2016-2017, 2019-2020.

Supervision of the research rotation of 5 students.

#### 4.5. Main supervisor of PhD theses

Panagiota Karamaouna (2018-present): The association of schizotypal personality traits with cognitive and emotional functioning in groups at increased risk for schizophrenia-spectrum disorders

Chrysoula Zouraraki (Successful completion: January 2019): The effects of positive and negative schizotypal traits on endophenotypic markers for psychosis in high-risk groups.

Eugenia Gkintoni (Successful completion: May 2018): Neurocognitive deficits and general psychopathology in unaffected first-degree relatives of psychotic patients: their relationship with quality of life and functionality.

#### 4.6. Participation in the supervisory committees of PhD theses

Vassilis Koudas «Pharmacological and psychophysiological exploration of anticipatory anxiety through the fear-inhibited light reflex in man», Medical School, University of Crete.

Vassiliki Stavroulaki «The effects of working memory training on cognitive functions and its neural substrate in mice and humans», Medical School, University of Crete.

Erasmia Koiliari «The effects of the genetic polymorphisms rs4680 COMT, rs10503253 CSMD1 and rs1229761 FOXP2 on gating and cognitive functions in the general population and high-risk individuals», Medical School, University of Crete.

Manolis Pasparakis «The effects of the genetic polymorphisms rs4680 COMT, rs1006737 CACNA1c and rs1358278 FOXP2 on emotion in the general population and high-risk individuals», Medical School, University of Crete.

Dimitrios Kasselimis «Neuroanatomical basis of oral speech and reading in the Greek language», Department of Psychology, University of Crete.

#### 4.7. Participation in the evaluation committees of PhD theses

Dimitris Mimarakis «The effects of social stress on the development of a personality profile that is prone to severe psychological illnesses», Medical School, University of Crete.

Kleanthi Halkiadaki «The role of corticotropin releasing factor in the pathophysiology of schizophrenia», Department of Biology, University of Crete.

Julia Larentzaki «Assessment of visual and strategic processing under stress», Medical School, University of Crete.

Emmanuel Papastefanakis «Longitudinal study of cognitive and psychiatric symptoms in autoimmune disease: Systemic Lupus Erythematosus (SLE) and Rheumatoid Arthritis (RA)», Department of Psychology, University of Crete.

#### 4.8. Main supervisor of MSc theses

Eleni Petraki «Executive functions and functionality in unaffected first-degree relatives of patients with Alzheimer's dementia», MSc in Health Psychology, Department of Psychology, University of Crete.

Danae Dafni «Personality, cognitive functioning and academic performance», MSc in School Psychology, Department of Psychology, University of Crete.

Maria Koziraki «Attention Deficit Hyperactivity Disorder: recent advances in genetics, neuroimaging and therapeutics», MSc in Neuroscience, Medical School, University of Crete.

Chrysoula Zouraraki «The effects of positive and negative schizotypy on Prepulse Inhibition and cognition in man», MSc in Neuroscience, Medical School, University of Crete.

Vassiliki Stavroulaki «The effects of working memory training on cognitive functions in man», MSc in Neuroscience, Medical School, University of Crete.

#### 4.9. Participation in the supervisory committees of MSc theses

Afroditi Bouzaki «Response inhibition and emotional self-regulation: Relationship with behavioral problems and parenting», MSc in School Psychology, Department of Psychology, University of Crete.

Andreas Akritidis «The effects of the COMT val158met polymorphism on personality traits and cognition in man», MSc in Neuroscience, Medical School, University of Crete.

Marina Moudatsaki «Clinical and psychosocial factors affecting the severity of ADHD: a longitudinal study», MSc in Neuroscience, Faculty of Medicine, University of Crete.

Konstantinos Zahariadis «Normative data, adaptation and validation of the Oxford Cognitive Screen (OCS) in the Greek language», MSc in Health Psychology, Department of Psychology, University of Crete.

Maria Boutsali «Adaptation and evaluation of the psychometric properties of the “Temporal parameters of relapse scale” in adolescents in rehabilitation», MSc Clinical Interventions in Addictions, Department of Psychology, University of Crete.

Aikaterini Palousi «Years on 2mg of replacement therapy: Narratives of people», MSc Clinical Interventions in Addictions, Department of Psychology, University of Crete.

Chrysa Mouatsou «Cellular study on the effects of the synthetic microneurotrophin BNN237 on adult neurogenesis in an animal model of chronic stress», MSc in Neuroscience, Medical School, University of Crete.

Zoe Drakaki «The effects of working memory training on neurophysiological properties of prefrontal cortex and hippocampus», MSc in Neuroscience, Medical School, University of Crete.



## 5. Research

### 5.1. Funding

- 24.01.2023 – 23.01.2025      The duration of near- and far-transfer gains of executive working memory training in man and mice: Interactions with anxiety and schizotypal traits (KA 11276). Large Scale Type C2 study funded by the Special Account for Research of the University of Crete. Total budget: 20000.00 €; Role: Principal Investigator.
- 11.05.2020 – 10.03.2022      The combined effects of traumatic life events and schizotypal personality traits on emotional processing (KA 10661). Funded by the Greek Ministry of Finance and Investments – Call: ΕΔΒΜ 103. Budget: 45545.50€ Role: Principal Investigator.
- 14.10.2019 – 21.05.2022      The association of schizotypal personality traits with cognitive and emotional functioning in groups at increased risk for schizophrenia-spectrum disorders (KA 10456). Funded by the Hellenic Foundation for Research & Innovation (HFRI) – Support of PhD candidates. Budget: 27900.00€; Role: Principal Investigator.
- 20.12.2018 – 19.12.2021      The effect of executive working memory training on cognitive flexibility and its underlying neurobiological mechanisms in man and mouse: A translational study (KA 10214). Large Scale Type C2 study funded by the Special Account for Research of the University of Crete. Total budget: 20000.00 €; Role: Principal Investigator.
- 31.01.2014 – 31.10.2015      Prefrontally-Mediated Endophenotypes in the Schizophrenia Spectrum (KA 3942). Funded under the "ARISTEIA II" Action of the Operational Programme Education and Lifelong Learning and co-funded by the European Social Fund (ESF) and National Resources. Budget: 200000.00€; Role: Principal Investigator.
- 18.01.2013 – 17.01.2015      Endophenotypes in the Schizophrenia Spectrum (KA 3748). "Start-up" funding by the Special Account for Research of the

University of Crete. Budget: 28965.27€; Role: Principal Investigator.

22.11.2010 – 15.04.2020 Five low-scale research grants (KA 3100, KA 3540, KA 3785, KA 4448, KA 10322). All funded by the Special Account for Research of the University of Crete. Total budget: 5500.00€; Role: Principal Investigator.

## 5.2. Citation indices of published work (publications in international peer-reviewed journals)

Average journal impact factor (Web of Science): 6.572

Indices according to Google Scholar:

Number of citations: 5003

H-index: 36

Indices according to Scopus:

Number of citations: 3250 (excluding self-citations: 3022)

H-index: 32 (excluding self-citations: 30)

## 5.3. Publications in international peer-reviewed journals

### 2023

1. Karamaouna, P., Zouraraki, C., Economou, E., Kafetsios, K., Bitsios, P., & **Giakoumaki, S.G.** (2023). Cold executive function processes and their hot analogues in schizotypy. *Journal of the International Neuropsychological Society*, in press.
2. Zouraraki, C., Kyriklaki, A., Economou, E., & **Giakoumaki, S.G.** (2023). The moderating role of early traumatic experiences on the association of schizotypal traits with visual perception. *Scandinavian Journal of Psychology*, *64(1)*, 10-20. doi: 10.1111/sjop.12859.
3. Zouraraki, C., Karamaouna, P., & **Giakoumaki, S.G.** (2023). Facial emotion recognition and schizotypal traits: A systematic review of behavioural studies. *Early Intervention in Psychiatry*, *17(2)*, 121-140. doi: 10.1111/eip.13328.
4. Zouraraki, C., Karamaouna, P., & **Giakoumaki, S.G.** (2023). Cognitive processes and resting-state functional neuroimaging findings in high schizotypal individuals and schizotypal personality disorder patients: A systematic review. *Brain Sciences*, *13(4)*, 615. doi: 10.3390/brainsci13040615.

### 2022

5. Stavoulaki, V., Sidiropoulou, K., Bitsios, P., & **Giakoumaki, S.G.** (2022). Far transfer effects of executive working memory training on cognitive flexibility. *Current Psychology*, doi: <https://doi.org/10.1007/s12144-022-03363-w>.

#### 2021

6. Lencz, T., Lam, M., Chen, C.Y., Ge, T., Yan, X., Hill, D., Trampush, J., Yu, J., Knowles, E., Davies, G., Stahl, E., Huckins, L., Liewald, D., Djurovic, S., Melle, I., Christoforou, A., Reinvang, I., DeRosse, P., Lundervold, A., Steen, V., Espeseth, T., Raikkonen, K., Widen, E., Palotie, A., Eriksson, J., Giegling, I., Konte, B., Hartmann, A., Roussos, P., **Giakoumaki, S.**, Burdick, K., Payton, A., Ollier, W., Chiba-Falek, O., Koltai, D., Need, A., Cirulli, E., Voineskos, A., Stefanis, N., Avramopoulos, D., Hatzimanolis, A., Smyrnis, N., Bilder, R., Freimer, N., Cannon, T., London, E., Poldrack, R., Sabb, F., Congdon, E., Drabant Conley, E., Scult, M., Dickinson, D., Straub, R., Donohoe, G., Morris, D., Corvin, A., Gill, M., Hariri, A., Weinberger, D., Pendleton, N., Bitsios, P., Rujescu, D., Lahti, J., Hellard, S., Keller, M., Andreassen, O., Deary, I., Glahn, D., Huang, H., Liu, C., & Maholtra, A. (2021). Identifying nootropic drug targets via large-scale cognitive GWAS and transcriptomics. *Neuropsychopharmacology*, *46*(10), 1788-1801. doi: 10.1038/s41386-021-01023-4.
7. Stavroulaki, V., **Giakoumaki, S.G.**, & Sidiropoulou, K. (2021). Working memory training effects across the lifespan: evidence from human and experimental animal studies. *Mechanisms of ageing and development*, *194*, 111415. doi: 10.1016/j.mad.2020.111415.
8. Karamaouna, P., Zouraraki, C., & **Giakoumaki, S.G.** (2021). Cognitive functioning and schizotypy: a four-years study. *Frontiers in Psychiatry*, *11*, 613015. doi: 10.3389/fpsy.2020.613015.
9. **Giakoumaki, S.G.**, Karamaouna, P., Karagiannopoulou, L., & Zouraraki, C. (2021). Self-perceived cognitive lapses and psychological well-being in schizotypy: generalized and domain-specific associations. *Scandinavian Journal of Psychology*, *62*(2), 134-140. doi: 10.1111/sjop.12704.

#### 2020

10. **Giakoumaki, S.G.**, Karagiannopoulou, L., Karamaouna, P., Zouraraki, C., & Bitsios, P. (2020). The association of schizotypal traits with Prepulse Inhibition: a double approach exploration. *Cognitive Neuropsychiatry*, *25*(4), 281-293. doi: 10.1080/13546805.2020.1779679.

#### 2019

11. Lam M., Hill W.D., Trampush J.W., Yu J., Knowles E., Davies G., Stahl E., Huckins L., Liewald D.C., Djurovic S., Melle I., Sundet K., Christoforou A., Reinvang I., DeRosse P., Lundervold A.J., Steen V.M., Espeseth T., Räikkönen K., Widen E., Palotie A., Eriksson J.G., Giegling I., Konte B., Hartmann A.M., Roussos P., **Giakoumaki S.**, Burdick K.E., Payton A., Ollier W., Chiba-Falek O., Attix D.K., Need A.C., Cirulli E.T., Voineskos A.N., Stefanis N.C., Avramopoulos D., Hatzimanolis A., Arking D.E., Smyrnis N., Bilder R.M., Freimer N.A., Cannon T.D., London E., Poldrack R.A., Sabb F.W., Congdon E., Conley E.D., Scult M.A., Dickinson D., Straub R.E., Donohoe G., Morris D., Corvin A., Gill M., Hariri A.R., Weinberger D.R., Pendleton N., Bitsios P., Rujescu D., Lahti J., Le Hellard S., Keller M.C., Andreassen O.A., Deary I.J., Glahn D.C., Malhotra A.K., Lencz T. (2019). Pleiotropic Meta-Analysis of Cognition, Education, and Schizophrenia Differentiates Roles of Early Neurodevelopmental and Adult Synaptic Pathways. *American Journal of Human Genetics*, *105*(2), 334-350. doi: 10.1016/j.ajhg.2019.06.012.
12. Zourarakis, C., Karagiannopoulou, L., Karamaouna, P., Pallis, E. G., & **Giakoumaki, S. G.** (2019). Schizotypal traits, neurocognition, and paternal age in unaffected first degree relatives of patients with familial or sporadic schizophrenia. *Psychiatry Research*, *273*, 422-429. doi: 10.1016/j.psychres.2018.12.142.

## 2018

13. Davies, G., Lam, M., Harris, S. E., Trampush, J. W., Luciano, M., Hill, W. D., Hagenaars, S. P., Ritchie, S. J., Marioni, R. E., Fawns-Ritchie, C., Liewald, D. C. M., Okely, J. A., Ahola-Olli, A. V., Barnes, C. L. K., Bertram, L., Bis, J. C., Burdick, K. E., Christoforou, A., DeRosse, P., Djurovic, S., Espeseth, T., **Giakoumaki, S.**, Giddaluru, S., Gustavson, D. E., Hayward, C., Hofer, E., Ikram, M. A., Karlsson, R., Knowles, E., Lahti, J., Leber, M., Li, S., Mather, K. A., Melle, I., Morris, D., Oldmeadow, C., Palviainen, T., Payton, A., Pazoki, R., Petrovic, K., Reynolds, C. A., Sargurupremraj, M., Scholz, M., Smith, J. A., Smith, A. V., Terzikhan, N., Thalamuthu, A., Trompet, S., van der Lee, S. J., Ware, E. B., Windham, B. G., Wright, M. J., Yang, J., Yu, J., Ames, D., Amin, N., Amouyel, P., Andreassen, O. A., Armstrong, N. J., Assareh, A. A., Attia, J. R., Attix, D., Avramopoulos, D., Bennett, D. A., Böhmer, A. C., Boyle, P. A., Brodaty, H., Campbell, H., Cannon, T. D., Cirulli, E. T., Congdon, E., Conley, E. D., Corley, J., Cox, S. R., Dale, A. M., Dehghan, A., Dick, D., Dickinson, D., Eriksson, J. G., Evangelou, E., Faul, J. D., Ford, I., Freimer, N. A., Gao, H., Giegling, I., Gillespie, N. A., Gordon, S. D., Gottesman, R. F., Griswold, M. E., Gudnason, V., Harris, T. B., Hartmann, A. M., Hatzimanolis, A., Heiss, G., Holliday, E. G., Joshi, P. K., Kähönen, M., Kardina, S. L. R.,

- Karlsson, I., Klei, E. M., Klein, D. M., Krapcho, J. P., Krapcho, N. A., Konte, B., Kwok, J. B., Le Hellard, S., Lee, T., Lehtimäki, T., Li, S. C., Lill, C. M., Liu, T., Koini, M., London, E., Longstreth, W. T. Jr, Lopez, O. L., Loukola, A., Luck, T., Lundervold, A. J., Lundquist, A., Lyytikäinen, L. P., Martin, N. G., Montgomery, G. W., Murray, A. D., Need, A. C., Noordam, R., Nyberg, L., Ollier, W., Papenberg, G., Pattie, A., Polasek, O., Poldrack, R. A., Psaty, B. M., Reppermund, S., Riedel-Heller, S. G., Rose, R. J., Rotter, J. I., Roussos, P., Rovio, S. P., Saba, Y., Sabb, F. W., Sachdev, P. S., Satizabal, C. L., Schmid, M., Scott, R. J., Scult, M. A., Simino, J., Slagboom, P. E., Smyrnis, N., Soumaré, A., Stefanis, N. C., Stott, D. J., Straub, R. E., Sundet, K., Taylor, A. M., Taylor, K. D., Tzoulaki, I., Tzourio, C., Uitterlinden, A., Vitart, V., Voineskos, A. N., Kaprio, J., Wagner, M., Wagner, H., Weinhold, L., Wen, K. H., Widen, E., Yang, Q., Zhao, W., Adams, H. H. H., Arking, D. E., Bilder, R. M., Bitsios, P., Boerwinkle, E., Chiba-Falek, O., Corvin, A., De Jager, P. L., Dobbins, S., Donohoe, G., Elliott, P., Fitzpatrick, A. L., Gill, M., Glahn, D. C., Hägg, S., Hansell, N. K., Hariri, A. R., Ikram, M. K., Jukema, J. W., Vuoksima, E., Keller, M. C., Kremen, W. S., Launer, L., Lindenberger, U., Palotie, A., Pedersen, N. L., Pendleton, N., Porteous, D. J., Raitakari, O. T., Ramirez, A., Reinvang, I., Rudan, I., Rujescu, D., Schmidt, R., Schmidt, H., Schofield, P. W., Schofield, P. R., Starr, J. M., Steen, V. M., Trollor, J. N., Turner, S. T., Van Duijn, C. M., Villringer, A., Weinberger, D. R., Weir, D. R., Wilson, J. F., Malhotra, A., McIntosh, A. M., Gale, C. R., Seshadri, S., Mosley, T. H. Jr, Bressler, J., Lencz, T., & Deary, I. J. (2018). Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. *Nature Communications*, *9*(1), 2098. doi: 10.1038/s41467-018-04362-x.
14. Fonseca-Pedrero, E., Ortuño, J., Debbané, M., Chan, R. C. K., Cicero, D., Zhang, L. C., Brenner, C., Barkus, E., Linscott, R. J., Kwapil, T., Barrantes-Vidal, N., Cohen, A., Raine, A., Compton, M. T., Tone, E. B., Suhr, J., Inchausti, F., Bobes, J., Fumero, A., **Giakoumaki, S.**, Tsaousis, I., Preti, A., Chmielewski, M., Laloyaux, J., Mechri, A., Lahmar, M. A., Wuthrich, V., Larøi, F., Badcock, J. C., Jablensky, A., Isvoranu, A. M., Epskamp, S., & Fried, E. I. (2018). The network structure of schizotypal personality traits. *Schizophrenia Bulletin*, *44*(suppl\_2), S468-S479. doi: 10.1093/schbul/sby044.
15. Lam, M., Trampush, J.W., Yu, J., Knowles, E., Djurovic, S., Melle, I., Sundet, K., Christoforou, A., Reinvang, I., DeRosse, P., Lundervold, A.J., Steen, V.M., Espeseth, T., Rääkkönen, K., Widen, E., Palotie, A., Eriksson, J.G., Giegling, I., Konte, B., Roussos, P., **Giakoumaki, S.**, Burdick, K.E., Payton, A., Ollier, W., Chiba-Falek, O., Attix, D.K., Need, A.C., Cirulli, E.T., Voineskos, A.N., Stefanis, N.C., Avramopoulos, D., Hatzimanolis, A., Arking, D.E., Smyrnis, N., Bilder, R.M., Freimer, N.A., Cannon, T.D., London, E., Poldrack, R.A., Sabb, F.W.,

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65. Bitsios, P., **Giakoumaki, S. G.**, Theou, K., & Frangou, S. (2006). Increased prepulse inhibition of the acoustic startle response is associated with better strategy formation and execution times in healthy males. *Neuropsychologia*, *44*(12), 2494-2499. doi:10.1016/j.neuropsychologia.2006.04.001.
66. Bitsios, P., Schiza, S., **Giakoumaki, S. G.**, Savidou, K., Alegakis, A. K., & Sifakas, N. (2006). Pupil miosis within 5 minutes in darkness is a valid and sensitive quantitative measure of alertness: application in daytime sleepiness associated with sleep apnea. *Sleep*, *29*(11), 1482-1488. <https://doi.org/10.1093/sleep/29.11.1482>.

#### 2005

67. **Giakoumaki, S. G.**, Hourdaki, E., Grinakis, V., Theou, K., & Bitsios, P. (2005). Effects of peripheral sympathetic blockade with dapirazole on the fear inhibited light-reflex. *Journal of Psychopharmacology*, *19*(2), 139-148. <https://doi.org/10.1177/0269881105048994>.
68. Bitsios, P., **Giakoumaki, S. G.**, & Frangou, S. (2005). The effects of dopamine agonists on prepulse inhibition in healthy men depend on baseline PPI values. *Psychopharmacology*, *182*(1), 144-152. doi: 10.1007/s00213-005-0056-x.
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70. Bitsios, P., & **Giakoumaki, S. G.** (2005). Relationship of prepulse inhibition of the startle reflex to attentional and executive mechanisms in man. *International Journal of Psychophysiology*, *55*(2), 229-241. doi:10.1016/j.ijpsycho.2004.08.002.

#### 2004

71. Dermon, C. R., Stamatakis, A., **Giakoumaki, S.**, & Balthazart J. (2004). Differential effects of testosterone on brain protein synthesis activity in male and female quail brain. *Neuroscience*, 123(3), 647-666. doi:10.1016/j.neuroscience.2003.10.010.

#### 5.4. Publications in Greek peer-reviewed journals

##### 2020

1. Zouraraki, C., Karamaouna, P., Karagiannopoulou, L. & **Giakoumaki, S. G.** (2020) Associations of multidimensional temperament and character profiles with cognition and sensorimotor gating in individuals at risk for schizophrenia-spectrum disorders: preliminary findings. *Psychology: the Journal of the Hellenic Psychological Society*, 25(2), 34-50. doi: [https://doi.org/10.12681/psy\\_hps.25581](https://doi.org/10.12681/psy_hps.25581).

##### 2015

2. Zouraraki, C., Karagiannopoulou, L., Karamaouna, P. & **Giakoumaki, S. G.** (2015) Schizotypal traits in unaffected relatives of patients in the schizophrenia spectrum. *Hellenic Journal of Psychology*, 12, 189-204.

##### 2012

3. Kandias, M. & **Giakoumaki, S. G.** (2012) Neurocognitive deficits in schizophrenia and bipolar disorder: Similarities and differences. *Hellenic Journal of Psychology*, 9, 45-61.

##### 2008

4. **Giakoumaki, S. G.** & Bitsios, P. (2008) Sensorimotor gating: its importance in central nervous system function and its contribution in the pathogenesis of schizophrenia. *Psychology: the Journal of the Hellenic Psychological Society*, 15(2), 188-199. doi: [https://doi.org/10.12681/psy\\_hps.23831](https://doi.org/10.12681/psy_hps.23831).
5. **Giakoumaki, S. G.** (2008) Cognitive deficits as a core feature of schizophrenia. *"Eleutherna" Journal of Psychology and Behavioral Sciences*, 4, 42-66.

#### 5.5. Published abstracts/Conference proceedings

##### 2020

1. Stavroulaki, V., Bitsios, P., Sidiropoulou, K., **Giakoumaki, S.G.** Working memory training and cognitive flexibility: their relation in a translation study. *European Neuropsychopharmacology*, 40(Suppl. 1), S230-S231. [Presentation in the 33<sup>rd</sup> European

College of Neuropsychopharmacology (ECNP) congress, 12 – 15 September 2020, virtual conference].

#### 2019

2. Stavroulaki, V., Bitsios, P., Sidiropoulou, K., & **Giakoumaki, S. G.** (2019). Differences in cognitive flexibility after adaptive training of executive working memory between men and women. *European Neuropsychopharmacology*, 29(Suppl. 6), S383-S384. [Presentation in the 32<sup>nd</sup> ECNP Congress, 7-10 September 2019, Copenhagen, Denmark].

#### 2017

3. Stavroulaki, V., Kazantzaki, E., Bitsios, P., Sidiropoulou, K. & **Giakoumaki S. G.** (2017). The effects of working memory training on cognitive flexibility in man. *Lecture notes in artificial intelligence*, 10512, 77-87. [Presentation in the 1<sup>st</sup> International Conference on Brain Function Assessment in Learning (BFAL), 24-25 September 2017, Patras, Greece].

#### 2016

4. Bitsios, P., Gkintoni, E., Pallis, E. G. & **Giakoumaki, S. G.** (2016) Cognitive and clinical markers of affective and non-affective psychosis. *Bipolar Disorders*, 18(suppl S1), 136-137. [Presentation in the 18th Annual Conference of the International Society for Bipolar Disorder (ISBD) held Jointly with the 8th Biennial Conference of the International Society For Affective Disorders, 13-16 July, Amsterdam, the Netherlands].
5. Gkintoni, E., Pallis, E. G., Bitsios, P. & **Giakoumaki, S.** (2016) Cognitive endophenotypes of affective and non-affective psychosis. *Journal of the International Neuropsychological Society*, 22(suppl S2), 92. [Presentation in the Mid-Year Meeting of the International Neuropsychological Society, 6-8 Junly, London, UK].

#### 2015

6. Bitsios, P., Karagiannopoulou, L., Karamaouna, P., Zouraraki, C., Roussos, P. & **Giakoumaki, S. G.** (2015) Associations of schizotypy with prefrontal function and psychopathology: “positive” or “negative”? Findings From the Premes Cohort. *European Psychiatry*, 30(suppl 1), S199. [Presentation in the 23rd European Congress of Psychiatry, 28-32 March, Vienna, Austria].
7. Zouraraki, C., Karagiannopoulou, L., Karamaouna, P., Tsapakis, E. M., Kopsahili, I., Bitsios, P. & **Giakoumaki, S. G.** (2015) Differential association of schizotypal traits with strategy formation, general psychopathology and quality of life in the schizophrenia spectrum:



Findings from the PreMES study. *Journal of Neurology, Neurosurgery and Psychiatry*, 86, e3, 13. [Presentation in the Annual Meeting of the British Neuropsychiatry Association, 4 – 6 February, London UK].

#### 2014

8. Siever, L. J., Rosell, D. R., McClure, M. M., Strike, K. S., Barch, D. M., Harvey, P. D., Girgis, R. R., Lieberman, J., **Giakoumaki, S.**, Bitsios, P., Roussos, P. & Haroutunian, V. (2014) The D1 receptor and cognition and trial of a novel D1 agonist in the Schizophrenia Spectrum. *Schizophrenia Research*, 153(suppl 1), S5. [Presentation in the 4th Biennial Schizophrenia International Research Conference (SIRS), 5-9 April, Florence, Italy].

#### 2013

9. **Giakoumaki, S. G.**, Roussos, P., Zouraraki, C. & Bitsios, P. (2013) Cognitive impairments are linearly related to psychometric risk for schizophrenia-spectrum disorders. *European Archives of Psychiatry and Clinical Neuroscience*, 263(suppl 1), S90. [Presentation in the 4th European Conference on Schizophrenia Research, 26-28 September, Berlin, Germany].
10. Kopsahili, I., Papadaki, R., **Giakoumaki, S. G.** & Tsapakis, E. M. (2013) Effectiveness of group cognitive behavioral therapy (G-CBT) in bipolar affective disorder patients. *European Psychiatry*, 28(suppl. 1), S2184. [Presentation in the 21st European Congress of Psychiatry, 6-9 April, Nice, France].

#### 2011

11. **Giakoumaki, S. G.**, Roussos, P., Pallis, E. G. & Bitsios, P. (2011) Sustained attention and working memory, but not executive function, deficits follow a familial pattern in schizophrenia, *European Archives of Psychiatry and Clinical Neurosciences*, 261(suppl 1), S92. [Presentation in the 3rd European Conference in Schizophrenia Research, 29 September - 1 October, Berlin Germany].
12. Bitsios, P., **Giakoumaki, S. G.**, Roussos, P., Adamaki, E. & Chrysoulakis, A. (2011) Cognitive and personality profile of startle “Non-Responding” status, *Biological Psychiatry*, 69(suppl. 9), 145S. [Presentation in the 66th Annual Meeting of the Society of Biological Psychiatry, 12 – 14 May 2011, San Francisco, California, USA].
13. Bitsios, P., **Giakoumaki, S. G.**, Roussos, P., Adamaki, E., Chrysoulakis, A. & Koiliari, E. (2011) The relationship of prepulse inhibition to cognitive function in a large population sample,

- Biological Psychiatry*, 69(suppl. 9), 146S. [Presentation in the 66th Annual Meeting of the Society of Biological Psychiatry, 12 – 14 May 2011, San Francisco, California, USA].
14. Roussos, P., **Giakoumaki, S. G.** & Bitsios, P. (2011) The influence of schizophrenia-related DISC1 polymorphisms on sensorimotor gating, cognition and personality in healthy males, *Biological Psychiatry*, 69(suppl. 9), 249S. [Presentation in the 66th Annual Meeting of the Society of Biological Psychiatry, 12 – 14 May 2011, San Francisco, California, USA].
  15. Roussos, P., Katsel, P., Bitsios, P., **Giakoumaki, S. G.**, Siever, L., Davis, K. L. & Haroutunian, V. (2011) The node of Ranvier in schizophrenia postmortem brain tissue, *Biological Psychiatry*, 69(suppl. 9), 249S. [Presentation in the 66th Annual Meeting of the Society of Biological Psychiatry, 12 – 14 May 2011, San Francisco, California, USA].
  16. Siever, L. J., Roussos, P., Buxbaum, J., Greenwood, T., **Giakoumaki, S.**, Bitsios, P., Braff, D. L. & Hardiman, G. (2011) Candidate gene and CNV genotype/phenotype associations in the schizophrenia spectrum, *Schizophrenia Bulletin*, 37(Suppl 1), 90-91. [Presentation in the 13th International Congress of Schizophrenia Research (ICOSR), 2-6 April, Colorado Springs, USA].

## 2010

17. **Giakoumaki, S.**, Tsapakis, E. M., Roussos, P., Chrysoulaki, A., Kopsahili, I. & Bitsios, P. (2010) Single dose tolcapone administration improves working memory and sensorimotor gating in psychotic patients, *Schizophrenia Research*, 117(2-3), 266. [Presentation in the 2nd Schizophrenia International Research Society Conference – Bridging Research to Clinic, 10 – 14 April 2010, Florence, Italy].
18. Tsapakis, E. M., **Giakoumaki, S.**, Roussos, P., Chrysoulaki, A., Kopsahili, I., Koudas, V. & Bitsios, P. (2010) One week tolcapone treatment in psychotic patients: effects on gating, working memory and clinical picture, *Schizophrenia Research*, 117(2-3), 493. [Presentation in the 2nd Schizophrenia International Research Society Conference – Bridging Research to Clinic, 10 – 14 April 2010, Florence, Italy].
19. Roussos, P., **Giakoumaki, S. G.**, Georgakopoulos, T., Chrisoulakis, A., Somaraki, K., Robakis, N. K. & Bitsios P. (2010) A D-amino acid oxidase diplotype is associated with deficient PPI and attenuated anxiety in healthy males, *Biological Psychiatry*, 67(suppl. 9), 155S. [Presentation in the 65th Annual Scientific Convention & Meeting of the Society of Biological Psychiatry, 20 – 22 May 2010, Louisiana, USA].
20. Roussos, P., **Giakoumaki, S. G.**, Georgakopoulos, T., Chrisoulakis, A., Somaraki, K., Robakis, N. K. & Bitsios P. (2010) Allelic variations in ANK3 and CACNA1C impact on spatial working

memory, startle reactivity and personality traits in healthy males, *Biological Psychiatry*, 67(suppl. 9), 165S. [Presentation in the 65th Annual Scientific Convention & Meeting of the Society of Biological Psychiatry, 20 – 22 May 2010, Louisiana, USA].

#### 2009

21. Roussos, P., **Giakoumaki, S. G.** & Bitsios P. (2009) The CGA PRODH haplotype determines PPI modification by the atypical antipsychotics olanzapine and risperidone in healthy males, *Biological Psychiatry*, 65(suppl. 8), 77S. [Presentation in the 64th Annual Scientific Convention & Meeting of the Society of Biological Psychiatry, 14 – 16 May, Vancouver Canada].
22. **Giakoumaki, S. G.**, Roussos, P., Vardiampasis, A., Fousteri, Z. & Bitsios P. (2009) Deficient Prepulse Inhibition and attention-task performance in remitted schizophrenia patients and their unaffected siblings, *European Archives of Psychiatry and Clinical Neuroscience*, 259(suppl 1), S94. [Presentation in the 2nd European Conference in Schizophrenia Research, 21 - 23 September, Berlin Germany].
23. **Giakoumaki, S. G.**, Roussos, P., Vardiampasis, A., Fousteri, Z. & Bitsios P. (2009) History of psychosis in bipolar disorder: Any effects in sensorimotor gating and cognition? *Frontiers in Behavioral Neuroscience*. [Presentation in the 41st European Brain and Behaviour Society (EBBS) Meeting, 14 – 18 September, Rhodes Greece].

#### 2008

24. **Giakoumaki, S. G.**, Roussos, P. & Bitsios P. (2008) Tolcapone enhances prepulse inhibition (PPI) of the startle reflex and working memory function in a COMT Val158Met genotype-specific manner, *International Journal of Neuropsychopharmacology*, 11(suppl 1), 225. [Presentation in the XXVI CINP Congress, 13-17 July 2008, Munich Germany].
25. **Giakoumaki, S. G.**, Roussos, P. & Bitsios, P. (2008) Improvement of prepulse inhibition and executive function by the COMT inhibitor tolcapone in COMT rs4818 G/G homozygotes, *Journal of Psychopharmacology*, 22, Suppl to no 5, A13. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 20-23 July, Harrogate UK].
26. **Giakoumaki, S. G.**, Nikolaou, A., Schiza, S. E., Siafakas, N. & Bitsios P. (2008) Cognitive effects of acute modafinil treatment in patients with sleep apnea, *European Psychiatry*, 23, Suppl 2, S239-S240. [Presentation in the 16th European Congress of Psychiatry, 5-9 April, Nice, France].

27. Roussos, P., **Giakoumaki, S. G.** & Bitsios P. (2008) The MAO-A VNTR polymorphism is an important determinant of working memory and sensorimotor gating, *European Psychiatry*, 23, Suppl 2, S104. [Presentation in the 16th European Congress of Psychiatry, 5-9 April, Nice, France].
28. **Giakoumaki, S. G.**, Bitsios, P., Frangou, S., Aasen, I., Galea, A. & Kumari V. (2008) Deficient affective startle modulation in remitted bipolar disorder patients and their unaffected first-degree relatives. *Biological Psychiatry*, 63(suppl. 7), 182S. [Presentation in the 63rd Society of Biological Psychiatry Meeting, 1-3 May, Washington DC, USA].
29. Roussos, P., **Giakoumaki, S. G.** & Bitsios P. (2008) A PRODH haplotype which increases risk for schizophrenia, is associated with deficient PPI in healthy males. *Biological Psychiatry*, 63(suppl. 7), 272S. [Presentation in the 63rd Society of Biological Psychiatry Meeting, 1-3 May, Washington DC, USA].

#### 2007

30. Roussos, P., **Giakoumaki, S. G.**, Adamaki, E., Frangou, S. & Bitsios P. (2007) Linear reduction on prepulse inhibition (PPI) with Gly-allele “dosage” of the DRD3 Ser9Gly gene in healthy males, *Journal of Psychopharmacology*, 21, Suppl to no 7, A58. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 22-25 July, Harrogate UK].
31. **Giakoumaki, S. G.**, Roussos, P., Adamaki, E., Bitsios, P. & Frangou, S. (2007) The effect of COMT Val158Met gene polymorphism on PPI levels and cognition, *Journal of Psychopharmacology*, 21, Suppl to no 7, A59. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 22-25 July, Harrogate UK].

#### 2006

32. Bitsios, P., Theou, K., Koutmeridou, K., Roussos, P., Karli, K. & **Giakoumaki, S. G.** (2006) The relationship of long and short lead interval prepulse inhibition (PPI) to executive function in healthy males, *Journal of Psychopharmacology*, 20, Suppl to no 5, A43. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 23-26 July, Oxford UK].
33. Roussos, P., Theou, K., Koutmeridou, K., Karli, K., **Giakoumaki, S. G.**, Bitsios, P. & Frangou, S. (2006) The relationship of prepulse inhibition to COMT polymorphism Val158Met in healthy males, *Journal of Psychopharmacology*, 20, Suppl to no 5, A68. [Presentation in

the British Association for Psychopharmacology (BAP) Summer Meeting, 23-26 July, Oxford UK].

#### 2005

34. **Giakoumaki, S. G.**, Theou, K., Savvidou, K. & Bitsios P. (2005) Dopamine D3 receptors modulate prepulse inhibition of the startle reflex in man, *Journal of Psychopharmacology*, *19, Suppl to no 5*, A31. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 24-28 July, Harrogate, UK].

#### 2004

35. **Giakoumaki, S. G.**, Theou, K., Kanavouras, K. & Bitsios, P. (2004) The effect of amantadine on prepulse inhibition of the startle reflex in man, *Journal of Psychopharmacology*, *18, Suppl to No 3*, A33. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 25-28 July, Harrogate, UK].
36. **Giakoumaki, S. G.**, Theou, K., Kanavouras, K. & Bitsios P. (2004) Effects of pergolide on prepulse inhibition of the startle reflex in man, *Journal of Psychopharmacology*, *18, Suppl to No 3*, A34. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 25-28 July, Harrogate, UK].
37. Hourdaki, E., **Giakoumaki, S. G.**, Grinakis, V. & Bitsios, P. (2004) Fear-inhibited light reflex: Effects of peripheral sympathetic blockade with dapiprazole eye-drops, *Journal of Psychopharmacology*, *18, Suppl to No 3*, A20. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 25-28 July, Harrogate, UK].

#### 2003

38. **Giakoumaki, S. G.** & Bitsios, P. (2003) Effects of pergolide and amantadine on prepulse inhibition in man. *Journal of Psychopharmacology*, *17, Suppl to No 3*, A45. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 21-23 July, Harrogate UK].

#### 2002

39. Bitsios, P. & **Giakoumaki, S. G.** (2002) Prepulse inhibition habituates with prepulse repetition. *Journal of Psychopharmacology*, *16, Suppl to No 3*, A26. [Presentation in the British Association for Psychopharmacology (BAP) Summer Meeting, 21 – 24 July, Harrogate UK].

## 2000

40. Vasilaki, A., **Giakoumaki, S.**, Mastrodimou, N., Gardette, R., Epelbaum, J. & Thermos K. (2000) NADPH-diaphorase colocalizes with somatostatin (SRIF) receptor subtypes sst2A and sst2B in the rat and rabbit retina. *European Journal of Neuroscience*, 12, Suppl., S466. [Presentation in the Federation of European Neuroscience Societies (FENS) Forum, 24 – 28 June, Brighton, UK].

## 5.6. Additional oral and poster presentations in peer-reviewed conferences

## 2023

1. Stavroulaki, N., Sidiropoulou, K., **Giakoumaki, S.G.** Ideas of reference and baseline cognitive flexibility predict the far-transfer gains of executive working memory training. 8<sup>th</sup> Scientific Meeting of the Federation of the European Societies of Neuropsychology and 2<sup>nd</sup> Panhellenic Conference on Neuropsychology, 27 – 29 September 2023, Thessaloniki, Greece.
2. Karamaouna, P., Zouraraki, C., **Giakoumaki, S.G.** Logical and emotional cognitive processing between four schizotypal dimensions. 8<sup>th</sup> Scientific Meeting of the Federation of the European Societies of Neuropsychology and 2<sup>nd</sup> Panhellenic Conference on Neuropsychology, 27 – 29 September 2023, Thessaloniki, Greece.
3. Zouraraki, C., Giannakakis, G., Karamaouna, P., Economou, E., **Giakoumaki, S.G.** Eye tracking profile of facial affect in schizotypy. 8<sup>th</sup> Scientific Meeting of the Federation of the European Societies of Neuropsychology and 2<sup>nd</sup> Panhellenic Conference on Neuropsychology, 27 – 29 September 2023, Thessaloniki, Greece.

## 2021

4. **Giakoumaki S.G.**, Stavroulaki V., Sidiropoulou K., Cognitive flexibility in extreme schizotypy scorers after adaptive training of executive working memory: Preliminary evidence. 8<sup>th</sup> European Conference on Schizophrenia Research, 23 – 25 September 2021, virtual.
5. Zouraraki C., Kyriklaki, A., Economou E., **Giakoumaki S.G.** Early traumatic events and schizotypal traits in adulthood: distinct patterns of associations. 8<sup>th</sup> European Conference on Schizophrenia Research, 23 – 25 September 2021, virtual.

6. Zourarakis C., Kyriklaki A., Economou E., **Giakoumaki S.G.** The moderating role of early traumatic events on the association of schizotypy with visual illusions. IV Iberoamerican Conference of Neuropsychology, 27 – 29 May 2021, virtual.
7. Zouraraki C., Karamaouna P., **Giakoumaki S.G.** Diametrically different associations of autistic and schizotypal traits with higher cognitive functioning. 29th Meeting of the Hellenic Society for Neuroscience, 8 – 10 October 2021, virtual.
8. Karamaouna P., Zouraraki C., **Giakoumaki S.G.** Contextual facial emotion recognition in different dimensions of schizotypy. 29th Meeting of the Hellenic Society for Neuroscience, 8 – 10 October 2021, virtual.
9. Stavroulaki V., Sidiropoulou K., Bitsios P., **Giakoumaki S.** Adaptive training of executive working memory improves cognitive flexibility. 29th Meeting of the Hellenic Society for Neuroscience, 8 – 10 October 2021, virtual.

#### 2019

10. **Giakoumaki S.G.**, Karamaouna P., Karagiannopoulou L., Zouraraki C. The neurocognitive profile of disorganized schizotypy: preliminary findings. FENS Regional Meeting, 10-13 July 2019, Belgrade, Serbia.
11. Stavroulaki V., Zafeiri M., Bitsios P., **Giakoumaki S.G.**, Sidiropoulou K. Working memory training on cognitive flexibility in both women and female mice: training gains, transfer and the neurobiological background. FENS Regional Meeting, 10-13 July 2019, Belgrade, Serbia.
12. Karamaouna P., Karagiannopoulou L., Zouraraki C., **Giakoumaki S.G.** On the association of schizotypal traits with Prepulse Inhibition. 28th Meeting of the Hellenic Society of Neurosciences, 4 – 6 October 2019, Heraklion, Crete.
13. Stavroulaki V., Zafeiri M., Bitsios P., **Giakoumaki S.G.**, Sidiropoulou K. Improving cognitive flexibility with training in working memory in women participants and female mice. 28th Meeting of the Hellenic Society of Neurosciences, 4 – 6 October 2019, Heraklion, Crete.

#### 2018

14. Zouraraki C., Karagiannopoulou L., Karamaouna P., **Giakoumaki S.G.** Cognitive functions and schizotypal traits in unaffected relatives of schizophrenia patients: non-linear effects of familial loading. 1st Panhellenic Conference on Neuropsychology, 27-29 April 2018, Athens, Greece.

15. Stavroulaki V., Kazantzaki E., Bitsios P., Sidiropoulou K., **Giakoumaki S. G.** The effects of working memory training on cognitive flexibility in male and female volunteers. 1st Panhellenic Conference on Neuropsychology, 27-29 April 2018, Athens, Greece.

#### 2017

16. **Giakoumaki S.** Neuropsychological endophenotypes in the schizophrenia spectrum: findings and future applications. 16th Annual Conference of the Hellenic Psychological Society, 10-14 May 2017, Thessaloniki, Greece.
17. Zouraraki C., Karamaouna P., Karagiannopoulou L., **Giakoumaki S.** The association of schizotypy with cognitive deficits in first-degree relatives of schizophrenia-spectrum patients. 16th Annual Conference of the Hellenic Psychological Society, 10-14 May 2017, Thessaloniki, Greece.
18. Karagiannopoulou L., Zouraraki C., Karamanouna P., **Giakoumaki S.G.** Subjective cognitive failures: associations with schizotypal and temperament/character traits in healthy adults. European Behavioural Pharmacology Society Biennial Meeting, 31 August – 3 September 2017, Heraklion, Greece.
19. Stavroulaki V., Koufalis V., Kazantzaki E., Bitsios P., **Giakoumaki S.G.**, Sidiropoulou K. Effects of working memory training on cognitive flexibility in both man and mouse. European Behavioural Pharmacology Society Biennial Meeting, 31 August – 3 September 2017, Heraklion, Greece.
20. Zouraraki C., Karagiannopoulou L., Karamaouna P., **Giakoumaki S.G.** Schizotypal traits and neurocognition in unaffected relatives of schizophrenia patients with familial or sporadic schizophrenia: the effects of paternal age. 27th Meeting of the Hellenic Society for Neuroscience, 8 – 10 December 2017, Athens, Greece.

#### 2015

21. Karagiannopoulou L., Zouraraki C., Vassou D., Karamaouna P., Kafetzopoulos D., Roussos P., Bitsios P., **Giakoumaki S.G.** The Genome-Wide associated schizophrenia risk variant rs10520163 affects Prepulse Inhibition and executive functions: Preliminary findings from the PreMES cohort. 4th International Congress on Neurobiology and Therapeutics, 14-17 May 2015, Agios Nikolaos, Crete, Greece.
22. Zouraraki C., Karamaouna P., Vassou D., Karagiannopoulou L., Kafetzopoulos D., Roussos P., Bitsios P., **Giakoumaki S.G.** Differential effects of polymorphisms associated with schizophrenia on cognition and quality of life: Findings from the schizophrenia high-risk



PreMES cohort. 4th International Congress on Neurobiology and Therapeutics, 14-17 May 2015, Agios Nikolaos, Crete, Greece.

23. Tsaousis I., Zouraraki C., **Giakoumaki S.**, Karagiannopoulou L. Exploring the mediating role of emotional intelligence on the relationship between personality traits and schizotypal characteristics in the workplace. 17th Conference of the European Association of Work and Organizational Psychology, 20-23 May 2015, Oslo Norway.
24. Karagiannopoulou L., Rózsa S., Zouraraki C., Karamaouna P., Bitsios P., Cloninger C. R., **Giakoumaki S.G.** Psychometric and cognitive correlates of Temperament and Character in a large cohort of healthy adults. 15th National Congress of Psychological Research, 27-31 May 2015, Nicosia, Cyprus.

#### 2014

25. Bitsios P., **Giakoumaki S.**, Tsapakis E.M., Roussos P. The Greek LOGOS and PreMES cohorts: Logic and summary of findings and future approaches. Joint congress of the World Psychiatric Association Thematic Conference on Intersectional Collaboration' the 'Fifth European Congress of the International Neuropsychiatric Association' and 'Second Interdisciplinary Congress on Psychiatry and Related Sciences, 30 October – 2 November 2014, Athens, Greece.
26. Tsaousis I., **Giakoumaki S.G.**, Zouraraki C. Factorial invariance and latent mean differences on schizotypy scores across gender and age. Joint congress of the World Psychiatric Association Thematic Conference on Intersectional Collaboration' the 'Fifth European Congress of the International Neuropsychiatric Association' and 'Second Interdisciplinary Congress on Psychiatry and Related Sciences, 30 October – 2 November 2014, Athens, Greece.
27. **Giakoumaki S.** Prefrontally-mediated endophenotypes in the schizophrenia spectrum, 22nd Panhellenic Psychiatric Conference, 10-13 April 2014, Ioannina, Greece.
28. Tsapaki E.M., Dimopoulou T., Kopsaheili I., **Giakoumaki S.**, Roussos P., Bitsios P. Pharmacogenomic methods in the treatment of major psychosis: international data and efforts in Greece, 22nd Panhellenic Psychiatric Conference, 10-13 April 2014, Ioannina, Greece.

#### 2013

29. Tsaousis I., **Giakoumaki S.G.**, Zouraraki C. Examining factorial structure and measurement invariance of the schizotypal personality questionnaire (SPQ) in a Greek non-clinical adult

sample, European Conference on Psychological Assessment, 17-20 July 2013, Donostia-San Sebastian, Spain.

30. Zouraraki C., Tsapakis E.M., Kopsahili I., Chourdaki E., Bitsios P., **Giakoumaki S.G.** The association of schizotypal traits with executive functions and Prepulse Inhibition in unaffected relatives of schizophrenia patients, 26th Meeting of the Hellenic Neuroscience Society, 29 November – 1 December 2013, Athens, Greece.
31. Koiliari E., Roussos P., Pasparakis E., Lencz T., Malhotra A., **Giakoumaki S.G.**, Bitsios P. The RS10503253 CSMD1 gene may mediate risk for schizophrenia through reduction of cognitive ability, 26th Meeting of the Hellenic Neuroscience Society, 29 November – 1 December 2013, Athens, Greece.
32. Pasparakis E., Koiliari E., Zouraraki C., Tsapakis E.M., Roussos P., **Giakoumaki S.G.**, Bitsios P. Affective startle modulation, verbal and working memory and their relation to CACNA1C genotype, 26th Meeting of the Hellenic Neuroscience Society, 29 November – 1 December 2013, Athens, Greece.
33. Zouraraki C., Tsapakis E.M., Kopsahili I., Chourdaki E., Bitsios P., **Giakoumaki S.G.** The association of “Positive” and “Negative” schizotypy with subcortically-mediated and prefrontally-modulated Prepulse Inhibition in unaffected relatives of schizophrenia patients, Lemanic Workshop on Schizotypy, 5-7 December 2013, Geneva, Switzerland.

## 2012

34. **Giakoumaki S.G.**, Roussos P., Zouraraki C., Spanoudakis E., Mavrikaki M., Tsapakis E.M., Bitsios P. Low “Care” and High “Overprotection” in Parenting is Associated with Schizotypic and Anxiety Personality Traits, 7th International Conference on Child and Adolescent Psychopathology, 16 – 18 July 2012, London UK.
35. Pasparakis M., Koiliari E., **Giakoumaki S.G.**, Roussos P., Bitsios P. The influence of the rs1358278A/G FOXP2 polymorphism on gating, cognition, language/thought and affect in healthy males, Educational Neuroscience Workshop of the Hellenic Society for Neuroscience, 2-3 November 2012, Athens, Greece.
36. Koiliari E., Pasparakis M., **Giakoumaki S.G.**, Roussos P., Bitsios P. The influence of the rs1229761G/C FOXP2 polymorphism on gating, cognition, language/thought and affect in healthy males, Educational Neuroscience Workshop of the Hellenic Society for Neuroscience, 2-3 November 2012, Athens, Greece.

37. Mimarakis D., **Giakoumaki S.**, Roussos P., Koukouli S., Filalithes A., Bitsios P. Immigration and paranoid personality traits in healthy adolescents, 3rd Panhellenic Forum of Public Health and Social Medicine, 30 November – 2 December 2012, Athens, Greece.
38. Mimarakis D., **Giakoumaki S.**, Roussos P., Koukouli S., Filalithes A., Bitsios P. Social determinants of current psychopathology in adolescents and the role of immigration, 3rd Panhellenic Forum of Public Health and Social Medicine, 30 November – 2 December 2012, Athens, Greece.
39. Kopsahili I., Papadaki R., **Giakoumaki S.G.**, Tsapakis E.M. Effectiveness of group cognitive behavioral therapy (G-CBT) in bipolar affective disorder patients, WPA Thematic Conference - 4th INA European Congress - 1st Congress on Psychiatry and Related Sciences, 29 November – 2 December 2012, Athens, Greece.

#### 2011

40. Bitsios P., Roussos P., **Giakoumaki S.**, Pasparakis M. Human functional studies of ANK3 and CACNA1C from the Greek LOGOS cohort, XIXth World Congress of Psychiatric Genetics, 10 – 14 September 2011, Washington DC, USA.

#### 2010

41. Bitsios P., Tsapakis E.M., **Giakoumaki S.G.**, Roussos P., Kopsahili I., Chrysoulakis A., Damka P., Vardiampasis A. Tolcapone effects on sensorimotor gating, working memory and clinical profile in symptomatic psychotic patients, 23rd European College of Neuropsychopharmacology (ECNP) Congress, 28 August – 1 September 2010, Amsterdam, The Netherlands.
42. Roussos P., **Giakoumaki S.G.**, Georgakopoulos T., Chrisoulakis A., Somaraki K., Robakis N.K., Bitsios P. The impact of ANK3 and CACNA1C risk alleles on phenotype in healthy males, XVIII World Congress on Psychiatric Genetics, 3 – 7 October 2010, Athens, Greece.

#### 2008

43. **Giakoumaki S.G.**, Roussos P., Bitsios P. Prepulse inhibition and working memory relate to prefrontal cortex dopamine signaling in an inverted U-shaped curve manner, 22nd Annual Conference of the Hellenic Society for Neuroscience, 16 – 19 October 2008, Athens, Greece.

#### 2007

44. Bitsios P., Koudas V., **Giakoumaki S.G.** Measuring the time-course of anticipatory anxiety with the pupil, 27th Pupil Colloquium, 2-5 October 2007, Hamamatsu, Japan.

#### 2006

45. Theou K., Koutmeridou K., Roussos P., Karli K., **Giakoumaki S.G.**, Bitsios P. The relationship of long and short lead interval prepulse inhibition to executive function in healthy males, Aegean Meeting on Neurological Therapeutics, 21-25 May 2006, Agia Pelagia, Greece.
46. Roussos P., Koutmeridou K., Theou K., Karli K., **Giakoumaki S.G.**, Bitsios P. The relationship of prepulse inhibition to COMT polymorphism Val158Met in healthy males, Aegean Meeting on Neurological Therapeutics, 21-25 May 2006, Agia Pelagia, Greece.
47. Roussos P., Rogdaki M., **Giakoumaki S.G.**, Koutmeridou K., Karli K., Bitsios P. The impact of the DRD3 Ser9Gly and BDNF Val66Met polymorphisms on an endophenotype for schizophrenia in healthy males, 20th Annual Conference of the Hellenic Society for Neuroscience, 29 September – 1 October 2006, Heraklion, Greece.

#### 2005

48. **Giakoumaki S.G.**, Theou K., Frangou S., Bitsios P. Increased prepulse inhibition is associated with better strategy formation and execution times in healthy males, 19th Annual Conference of the Hellenic Society for Neuroscience, 30 September – 2 October 2005, Patras, Greece.

#### 2003

49. **Giakoumaki S.G.**, Bitsios P. The effects of “dense” prepulse repetition on prepulse inhibition of the startle reflex in man, 6th World Congress of International Brain Research Organisation (IBRO), 10-15 July 2003, Prague.
50. Hourdaki J., **Giakoumaki S.G.**, Armenaki A., Grinakis V., Stamos A., Bitsios P. Fear-inhibited light reflex: Effects of conditioned stimulus, light intensity and fear-stimulus modality, 25th International Pupil Colloquium, 10 – 14 September 2003, Chania, Greece.
51. Hourdaki J., **Giakoumaki S.G.**, Grinakis V., Bitsios P. Fear-inhibited light reflex: Effects of peripheral sympathetic blockade with dapiprazole eye-drops, 25th International Pupil Colloquium, 10 – 14 September 2003, Chania, Greece.
52. **Giakoumaki S.G.**, Theou K., Kanavouras K., Bitsios P., Effects of dopaminergic agonists on prepulse inhibition of the startle reflex in man, 1st International Conference on Brain and Behavior Conference, 20 – 23 November 2003, Thessaloniki, Greece.

## 2002

53. **Giakoumaki S.G.**, Bitsios P. The impact of attentional modulation of the prepulse on prepulse inhibition in man, Federation of European Neuroscience Societies (FENS), 13 – 17 July 2002, Paris.
54. **Giakoumaki S.G.**, Tourka A., Bitsios P. Relationship of prepulse inhibition of the startle reflex to attentional and executive mechanisms in man, 17th Annual Conference of the Hellenic Society for Neuroscience, 4 – 6 October 2002, Rethymno, Greece.

## 2000

55. **Giakoumaki S.G.**, Panagis G., Kastellakis A., Spyraiki C. Fos-like immunoreactivity in the cortex and amygdala following ventral pallidum self-stimulation, 15th Annual Conference of the Hellenic Society for Neuroscience, 27 – 29 October 2000, Patras, Greece.

6. Administrative activities (in addition to those associated with the duties as Chair of Department or as Director of the University of Crete Research Center)

04.2023 – σήμερα	Ordinary member of the coordinating committee of the inter-departmental MSc «Neuroscience» of the School of Medicine and the Department of Biology and Psychology, University of Crete
02.2023 – present	Ordinary member of the curriculum committee of the inter-departmental MSc «Neuroscience» of the School of Medicine and the Department of Biology and Psychology, University of Crete
09.2022 – 09.2023	Coordinator of the Committee for the “Theoni Velli” Excellence Award, Department of Psychology, University of Crete
04.2021 – present	Coordinator of the Counselling Committee for the Employment and Career Unit, University of Crete
10.2020 – 11.2022	Associate member of the Quality Assurance Unit, University of Crete
09.2020 – present	Ordinary member of the COVID-19 Pandemic Committee, University of Crete
11.2016 – 11.2018	Coordinator of the Practicum committee, Department of Psychology, University of Crete.
09.2016 – 09.2018	Ordinary member of the Postgraduate Curriculum and Program Committee, Department of Psychology, University of Crete.
09.2014 – 09.2015	Coordinator of the Academic Ethics Committee, Department of Psychology, University of Crete.
2013 – 2015	Representative of the University of Crete in the Citizenship Committee of the Decentralized Administration of Crete.
09.2013 – 09.2014	Ordinary member of the Undergraduate Curriculum & Program Committee, Department of Psychology, University of Crete.
09.2021 – present	Ordinary member of the Undergraduate Curriculum & Program Committee, Department of Psychology, University of Crete.
09.2013 – 09.2014	Coordinator of the Committee for course equivalence, Department of Psychology, University of Crete.
2012 – 2015	Ordinary member of the Research Ethics Committee, University of Crete.
09.2011 – 09.2012	Ordinary member of the Research Ethics Committee of the Department of Psychology, University of Crete.
09.2014 – 09.2016	Ordinary member of the Research Ethics Committee of the Department of Psychology, University of Crete.
09.2017 – 09.2018	Ordinary member of the Research Ethics Committee of the Department of Psychology, University of Crete.

09.2010 – 09.2012 Ordinary member of the Library Committee, Department of  
09.2014 – 09.2017 Psychology, University of Crete.

## 7. Distinctions

### 7.1. Awards

- 2018 Award for the best poster presentation entitled «Cognitive functions and schizotypal traits in unaffected relatives of schizophrenia patients: non-linear effects of familial loading» during the 1st Panhellenic Conference on Neuropsychology.
- 2015 Award for the best poster presentation entitled «The genome-wide associated schizophrenia risk variant rs10520163 affects Prepulse Inhibition and executive functions: Preliminary findings from the PreMES cohort» during the 4th International Congress on Neurobiology, Psychopharmacology & Treatment Guidance.
- 2008 Robert Kerwin International Bursary by the British Association for Psychopharmacology
- 2002 First award by the Hellenic Society for Neuroscience (HSfN) for the poster presentation entitled «Relationship of prepulse inhibition of the startle reflex to attentional and executive mechanisms in man» during the 17th Annual Conference of the HSfN

### 7.2. Scholarships

- 2007 – 2008 Honorary post-doctorate scholarship by the Greek State Scholarship Foundation
- 2005 – 2006 Post-doctorate scholarship by the «Propondis Foundation»
- 2003 – 2004 «M. Manasaki» scholarship for PhD students, Faculty of Medicine, University of Crete
- 1998 – 2000 Internal MSc scholarship by the MSc in Neuroscience, Faculty of Medicine, University of Crete

### 7.3. Travel grants

- 2007 British Association for Psychopharmacology for the presentation entitled «The effect of COMT Val158Met gene polymorphism on PPI levels and cognition» during the British Association for Psychopharmacology Summer Meeting, 22-25 July 2007, Harrogate, UK
- 2005 British Association for Psychopharmacology for the presentation entitled «Dopamine D3 receptors modulate prepulse inhibition of the startle reflex in man» during the British Association for Psychopharmacology Summer Meeting, 24-28 July 2005, Harrogate, UK



- 2004 International Brain Research Organization for the presentation entitled «The effect of amantadine on prepulse inhibition of the startle reflex in man» during the British Association for Psychopharmacology Summer Meeting, 25-28 July 2004, Harrogate, UK
- 2002 Hellenic Society for Neuroscience for the presentation entitled «The effects of “dense” prepulse repetition on prepulse inhibition of the startle reflex in man» during the 6th World Congress of International Brain research Organization, 10-15 July 2003, Prague

## 8. Editorial activities

### 8.1. Edition of Books

- 2023 **Giakoumaki, S.** & Kaselimis D. Editors of the Greek edition of *The Brain at Risk: Associations Between Disease and Cognition* by Hedges, D., Farrer, T.J., Bigler, E.D., & Hopkins, R.O. Gutenberg publications.
- 2021 Tsalta, E. (Chief Editor), **Giakoumaki, S.**, Kastellakis, A., Economou, A., Sidiropoulou, K., & Tata, D. Editors of the Greek edition of *Brain and Behavior* by Garrett B., & Hough, G. Gutenberg publications.
- 2018 **Giakoumaki, S.**, & Kastellakis, A. Editors of the Greek edition of *Fundamentals of Human Neuropsychology* by Kolb B., & Whishaw I.Q. Gutenberg publications.
- 2017 **Giakoumaki S.** *Women and Neuroscience in Greece*. Gutenberg publications.
- 2011 **Giakoumaki S.**, Kastellakis, A., & Tata D. Editors of the Greek edition for *Biopsychology* by Pinel J.P.J. Ellin publications.

### 8.2. Edition of journal special issues

- 2021 Associate co-editor of the special issue entitled «Understanding Early detection Markers in Schizophrenia» appearing in *Frontiers in Behavioral Neuroscience* (Section: Pathological conditions), *Frontiers in Psychiatry* (Section: Schizophrenia), *Frontiers in Psychology* (Section: Neuropsychology). Co-editor with K. Sidiropoulou and A. Stamatakis.
- 2020 Associate co-editor Special issue entitled “Current issues in Neuropsychology” of the journal *Psychology* published by the Hellenic Psychological Society. Co-editor with M. Papadatou-Pastou.

### 8.3. Membership in editorial boards

- 07.2022 – present Associate editor of *Pathological conditions* in *Frontiers in Behavioral Neuroscience*
- 12.2020 – present Member of the editorial advisory board of *Psychology: the Journal of the Hellenic Psychological Society*
- 05.2014 – present Consulting editor *Journal of the International Neuropsychological Society*

### 8.4. Invited reviewer

*Acta Psychologica* (Elsevier); *Applied Neuropsychology: Adult* (Taylor & Francis); *Archives of Clinical Neuropsychology* (Oxford Academic); *Asian Journal of Psychiatry* (Elsevier); *Behavioral and Brain Functions* (BioMed Central); *Behavioural Brain Research* (Elsevier); *Biological Psychology* (Elsevier); *BMC Psychiatry* (BMC); *British Journal of Pharmacology* (Wiley); *CNS spectrums* (Cambridge University Press); *Cognitive Neuropsychiatry* (Taylor & Francis); *Comprehensive Psychiatry* (Elsevier); *Consciousness and Cognition* (Elsevier); *Development and Psychopathology* (Cambridge University Press); *European Psychiatry* (Cambridge University Press); *Frontiers in Psychology* (Frontiers group of journals); *Frontiers in Psychiatry - Schizophrenia* (Frontiers group of journals); *Frontiers in Psychology* (Frontiers group of journals); *Human Brain Mapping* (Wiley); *International Clinical Psychopharmacology* (Wolters Kluwer); *Journal of Nervous and Mental Disease* (Lippincott); *Journal of Psychiatry and Neuroscience* (Canadian Medical Association); *Journal of Psychopharmacology* (Sage); *Journal of the International Neuropsychological Society* (Cambridge University Press); *Learning and Motivation* (Elsevier); *Medical Science Monitor* (International Scientific Information); *Neurobiology of aging* (Elsevier); *Neuropsychiatric disease and treatment* (Dove Medical Press); *Neuropsychology* (American Psychological Association); *Neuropsychopharmacology* (Springer Nature); *PeerJ* (PeerJ group of journals); *Pharmacology, Biochemistry & Behavior* (Elsevier); *Physiology and Behavior* (Elsevier); *PLOS ONE* (PLOS group of journals); *Progress in neuropsychopharmacology and biological psychiatry* (Elsevier); *Psychiatry Research* (Elsevier); *Psychopharmacology* (Springer); *Scandinavian Journal of Psychology* (Wiley); *Scientific Reports* (Nature Research); *Schizophrenia Research* (Elsevier); *Schizophrenia Research: Cognition* (Elsevier)

#### 8.5. Translation of scientific texts

- 2016 Translation into Greek of the manual and the verbal material of the *Behavioral Assessment of the Dysexecutive Syndrome Battery* (published by Pearson).
- 2007 *Neuroscience: The science of the brain*. Booklet by the International Brain Research Organization. Translation in Greek.

## 9. Membership in scientific societies

### 9.1. Membership

Hellenic Neuropsychological Society

Hellenic Psychological Society

Hellenic Society for Neuroscience (HSfN)

European Scientific Association on Schizophrenia and other Psychoses (ESAS)

Federation of European Neuroscience Societies (FENS)

International Brain Research Organization (IBRO)

International Neuropsychological Society (INS)

### 9.2. Member of scientific/governing boards

10.2021 – present	Member of the Audit Committee of the Hellenic Society for Neuroscience
11.2017 – 12.2019	Treasurer of the Hellenic Society for Neuroscience
05.2017 – 05.2019	Co-coordinator of the Division of Neuropsychology of the Hellenic Psychological Society
10.2015 – 11.2017	Member of the governing board of the Hellenic Society for Neuroscience

## 10. Reviewer of research grants/scholarship programs

- Hellenic Foundation for Research & Innovation: Scholarship program for PhD students (1st call)
- State Scholarships Foundation-Greece: Scholarship program for PhD students (2nd call)
- Operational program «Human Resources Development, Education and Lifelong Learning»: Call «Support of researchers with emphasis on young researchers – Call A»
- Operational program «Human Resources Development, Education and Lifelong Learning»: Call «Support of researchers with emphasis on young researchers – Call B»

## 11. Participation in scientific and organizing conference committees

- 2023 Association for the Scientific Study of Consciousness conference to be held in 2025 (member of organizing committee)
- 2023 8<sup>th</sup> Scientific Meeting of the Federation of the European Societies of Neuropsychology joint with the 2<sup>nd</sup> Panhellenic Conference on Neuropsychology (member of organizing committee)
- 2019 28<sup>th</sup> Meeting of the Hellenic Society for Neuroscience (member of organizing and scientific committee)
- 2019 17<sup>th</sup> Conference of Psychological Research, Hellenic Psychological Society (member of scientific committee)
- 2017 European Behavioural Pharmacology Society (EBPS) Biennial Meeting (member of organizing committee)
- 2017 27<sup>th</sup> Meeting of the Hellenic Society for Neuroscience (member of organizing and scientific committee)

## 12. Talks for the public

- 2022 «Schizotypal traits and endophenotypic markers in the schizophrenia-spectrum» Talk during the Joint Seminar Series in Translational and Clinical Medicine: UoC Medical School – IMBB-FORTH – UCRC, virtual.
- 2019 «The brain and the organization of behavior» Talk during the Brain Awareness Week event entitled «Addictions and the brain», Rethymno, Crete.
- 2017 «The amazing brain» Talk during the Brain Awareness Week event entitled «The thinking adolescents and their new challenges», Heraklion, Crete.
- 2016 «The brain over time» Talk during the Brain Awareness Week event entitled «Does the brain change (?) », Rethymno, Crete.
- 2013 «Schizophrenia: a brain disorder (?) » Talk during the Brain Awareness Week event entitled «Mental health today: the role of the brain», Rethymno, Crete.
- 2012 «Brain and behavior» Talk during the Brain Awareness Week event entitled «The addicted brain we do not know», Rethymno, Crete.
- 2011 «Brain and mental health: an update» Talk during the Brain Awareness Week event entitled «Brain and mental health: Facts and facets», Rethymno, Crete.