

Christos-Panagiotis Lisgaras

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Education

- 2013-Present
Ph. D. candidate, Lab. of Animal & Human Physiology, Dept. of Biological Applications & Technology, Faculty of Health Sciences, University of Ioannina, Greece, supervisor; Dr. Psarropoulou C.
- 2012-2013
Diploma Thesis, Lab. of Animal & Human Physiology, Dept. of Biological Applications & Technology, Faculty of Health Sciences, University of Ioannina, Greece, supervisor; Dr. Psarropoulou C. (10/10)
- 2008-2013
Ptychion in Applied Biology (5-year studies Degree), Dept. of Biological Applications & Technology, Faculty of Health Sciences, University of Ioannina, Greece (8.77/10)

Research Interests

I am primarily interested in Experimental Neuroscience, Human Physiology and Electrophysiological Techniques to work on novel experimental approaches. I am currently working on *in vitro* electrophysiology, including; sharp-electrode intracellular & field potential recordings. My thesis aims to elucidate the cholinergic dependence of immature *Status Epilepticus* in the function of the mature brain and propose a link to its long-term effects e.g. increased seizure susceptibility and cognitive decline. Recent analysis focuses on high-frequency oscillatory activity (>80Hz) recorded from adult hippocampal (acute) slice and its modulation following an early-life seizure. My research ambition is to combine novel electrophysiological approaches, including *in vivo* intracellular recordings, along with intrinsic functional imaging techniques (voltage-sensitive dyes, calcium tracing) to characterize network-level dysfunctions in progressive CNS disorders.

Research Experience

- Ph. D. candidate**, Lab. of Animal & Human Physiology, University of Ioannina, Greece 2013-present
- In vitro* electrophysiological techniques; field potential & sharp-electrode intracellular recordings 2012-present
 - Statistical signal processing
 - Spike shorting & analysis
 - Animal handling, *in vivo* behavioral assays
- Teaching Assistant**, Lab. of Animal & Human Physiology, University of Ioannina, Greece April-May, 2014
- Undergraduate Researcher**, Lab. of Animal & Human Physiology, University of Ioannina, Greece, Diploma Thesis; ‘Long-term neurophysiological effects of *Status Epilepticus* during CNS development in the function of mature brain’ 2012-2013
- Research Laboratory Technician**, Dept. of Molecular Pathology, Locus Medicus, Athens, Greece
- Training in various molecular techniques; Isolation of DNA & RNA, PCR, RT-PCR, Real-time PCR, HPLC Chromatography, DNA Sequencing, Microarray Analysis, Paternity Test June-August, 2011 & 2012

Honors & Awards

- 2014-Present
- Sponsorship* for the proposed project thesis: ‘Early-life epileptic seizures during CNS development with emphasis on cholinergic neurotransmission’ Stipend for use in experimental protocols including patch clamp & sharp-electrode recordings, December 2014, **Astron Chemical S.A.**
 - Distinction*, graduated 5th among 541 graduates from the first academic year (2000-2001) the Dept. of Biological Applications & Technology was established, **University of Ioannina**
 - Award*, ranked 1st in both graduating classes 2012 & 2013, **State Scholarships Foundation** (expected)
 - Full scholarship* for attending the 5th seminar in Biology & Medicine (top 35 applicants), September 2014, **Bodossaki Foundation**
 - Full scholarship* granted to top 35 applicants for attending the 2014 Onassis lectures series in Chemistry & Biology, August 2014, **Onassis Foundation & Foundation for Research & Technology Hellas (FORTH)**
 - Full scholarship* for attending the 3rd WHBA summer school in Medical & Biosciences Research & Management, May 2014, **World Hellenic Biomedical Association**
- 2008-2013
- Distinction*, Ptychion (Hons) in Applied Biology (8.77/10), 2013, **University of Ioannina**
 - Higher Distinction*, graduated 1st of graduating classes 2012 & 2013, among 51 graduates, 2013, **University of Ioannina**
 - Scholarship & Award* for achieving 1st place, 4th academic year (grade: 9.10/10), 2012, **State Scholarships Foundation**
 - Scholarship & Award* for achieving 1st place, 3rd academic year (grade: 9.35/10), 2011, **State Scholarships Foundation**
 - Scholarship & Award* for achieving 1st place, 2nd academic year (grade: 8.53/10), 2010, **State Scholarships Foundation**
 - Scholarship & Award* for entering University in top 5% students (5th among 125), 2008, **Hellenic Petroleum**
 - Award*, graduated from Senior High School in top 5% students, 2008, **Eleusis county**

Publications

- Lisgaras C., Psarropoulou C., 9th FENS Milan, July 2014, Abstract
- Lisgaras C., Psarropoulou C., 36th Meeting of Hellenic Society for Biological Sciences, May 2014, Abstract, Oral Presentation
- Lisgaras C., Psarropoulou C., 3rd WHBA summer school, May 2014, Abstract

Society Memberships

- Hellenic Society for Neuroscience (HSFN)
- French Neuroscience Society
- Society for Neuroscience (SfN)
- International Brain Research Organization (IBRO)
- Federation of European Neuroscience Societies (FENS)