

CONFERENCE PROGRAM Parallel Session (For In-Person Attendees)

FRIDAY OCTOBER 21, 2022

09:00-10:00	Computational Neuroscience
Venue	Room D2, Department of Environment, Ionian University
	Chair: Marios Krokidis
09:00-09:20	<p>Antigoni Avramouli Ionian University, Greece</p> <p>Title: "Computational Methods for Protein Tertiary Structure Analysis."</p>
09:20-09:40	<p>Mirto Gasparinatou & Nikolaos Matzakos Ionian University, Greece & School of Pedagogical and Technological Education, Greece</p> <p>Title: "Biological neural networks and mathematical models."</p>
09:40-10:00	<p>Georgios N. Dimitrakopoulos Ionian University, Greece</p> <p>Title: "Brain state classification using EEG-based networks."</p>
10:00-11:00	Poster Flash
	<p>Quality of life in patients receiving medical cannabis. Iliana Tsampoula, Afroditi Zartaloudi, Evangelos Dousis, Ioannis Koutelekos, Niki Pavlatou, Georgia Toulia, Antonia Kalogianni and Maria Polikandrioti</p> <p>Investigation of Anxiety and Health Locus of Control in Patients undergoing Hemodialysis. Sofia Kalini, Afroditi Zartaloudi, Anna Kavga, Angeliki Stamou, Victoria Alikari, Evangelos C. Fradelos and Georgia Gerogianni</p> <p>Pathways to Mental Health Care in a Defined Geographic Area of Athens. Afroditi Zartaloudi</p> <p>Better Understand to Better Predict Subjective Well-being among Older Greeks in COVID-19 Era: Depression, Anxiety, Attitudes towards eHealth, Religiousness, Spiritual Experience and Cognition. Vaitsa Giannouli and Konstantinos Giannoulis</p>
11:00-11:30	Coffee Break

FRIDAY AFTERNOON October 21, 2022

11:30-13:30	Workshop Session
Venue	Room D2, Department of Environment, Ionian University
	Workshop #1: Molecular targets in age-related diseases: Structural and computational analysis.
	Chair: Georgios N. Dimitrakopoulos
11:30-12:00	Antigoni Avramouli Ionian University, Greece Title: "Protein Structure and Functional Analysis."
12:00-12:30	Marios Krokidis Ionian University, Greece Title: "Biomarkers of oxidative stress in inflammatory and neurodegenerative disease models."
12:30-13:00	Dionysios Cheirdaris Ionian University, Greece Title: "AFM force spectroscopy and protein folding."
13:00-13:30	Discussion and Q&As
13:30-15:00	Lunch Break

FRIDAY EVENING October 21, 2022

15:00-15:40	Stress-related Mathematical Models
Venue	Room D2, Department of Environment, Ionian University
	Chair: Antigoni Avramouli
15:00-15:20	<p>Konstantina Skolariki Ionian University, Greece</p> <p>Title: “Mathematical Modeling of Stress Disorders.”</p>
15:20-15:40	<p>Marios Krokidis Ionian University, Greece</p> <p>Title: “Assessment of stress-induced damage in models of inflammation and aging.”</p>
15:40-16:00	<p>Christos Plakiotis Monash University, Australia</p> <p>Title: “The impact of changes in mental health legislation on psychiatry trainee stress in Victoria, Australia.”</p>
16:00-17:00	Poster Flash
	<p>Investigation of Physical Activity Levels and associated factors of Greek older adults during COVID-19 Pandemic: a community based cross sectional study. Maria Tsekoura, Konstantinos Fousekis, Maria Eleni Roukounaki, Eirini Giannoulatou, Georgios Kolokithas, Argiro Sakellaropoulou, Andreas Gridelas, Alaxandros Kastrinis, Evdokia Billis and Elias Tsepis</p> <p>The effects of exercise in older adults with hyperkyphotic posture. Maria Tsekoura, Marianna Katsoulaki, Alexandros Kastrinis, Eleni Nomikou, Konstantinos Fousekis, Elias Tsepis and Evdokia Billis</p> <p>Telerehabilitation and falls prevention in older adults. Maria Tsekoura, Alexandros Kastrinis, Eleni Nomikou and Marianna Katsoulaki</p> <p>Relationship of Hand Grip Strength, physical activity and anthropometric characteristics in a sample of male and female Physiotherapy students. Maria Tsekoura, Stavroula Bakirtzi, Stergiani Lydia Papdimitropoulou, Evdokia Billis, Konstantinos Fousekis, Alexandros Kastrinis and Elias Tsepis</p>
17:00-17:30	Networking

FRIDAY EVENING October 21, 2022

17:30-18:10	Public's perception of diseases
	Chair: Marios Krokidis
17:30-17:50	<p>Platis Charalampos Greek DRG Institute SA</p> <p>Title: "Assessment of burden in family caregivers of chronic hemodialysis and peritoneal dialysis patients during the pandemic period of covid-19."</p>
17:50-18:10	<p>Kimon Athanasiadis 1st Psychiatric Clinic- Eginitio Hospital, National and Kapodistrian University of Athens, Athens, Greece</p> <p>Title: "Public's attitudes towards mentally ill offenders in Greece."</p>
18:10-19:30	Poster Flash
	<p>Depression and Atherosclerotic Cardiovascular Disease (ASCVD) Risk Estimator in Women. Moschoula Iordani, Maria Polikandrioti, Theodore Kapadohos, Andriana Maggita, Kallirrhoe Kourea, Ioannis Koutelekos, Evangelos Dousis and Afroditi Zartaloudi</p> <p>Depressive symptoms and anger expression among survivors after stroke. Anastasia Papadopoulou, Panagiotis Papadopoulos, Eirini Grammatopoulou, Anna Kavga, Alexandra Koreli, Alexandra Mantoudi, Angeliki Stamou, Georgia Gerogianni and Afroditi Zartaloudi</p> <p>Job Satisfaction of Nurses versus Other Mental Health Professionals Working in Psychosocial Rehabilitation Services. Loukia Karvouni, Theodoula Adamakidou, Marianna Mantzorou, Alexandra Mantoudi, Dimitrios Christopoulos and Afroditi Zartaloudi</p> <p>The effect of psychological resilience and coping strategies on mental health of nurses. Evangelos C. Fradelos, Ioanna V. Papathanasiou, Evdokia Misouridou, Chrysoula Dafogianni, Ioannis Koutelekos, Evangelos Dousis, Eugenia Vlachou, Eleni Evangelou, Victoria Alikari, Georgia Gerogianni, Maria Polikandrioti and Afroditi Zartaloudi</p> <p>Perceived social support in parents of hospitalized children during Covid 19. Dimitra Mourdoukouta, Maria Polikandrioti, Evangelos Dousis, Eleni Evangelou, Afroditi Zartaloudi, Chysoula Dafogianni, Georgia Toulia, Niki Pavlatou, Vasiliki Tsoulou and Ioannis Koutelekos</p>

SATURDAY OCTOBER 22, 2022

09:00-10:00	Proteomics and Computational Biology
	Chair: Spyros Doukakis
09:00-09:20	<p>Antigoni Avramouli Ionian University, Greece</p> <p>Title: "Protein structure prediction for disease-related insertions/deletions in Presenilin 1 gene."</p>
09:20-09:40	<p>Dimitrios Koumadorakis Ionian University, Greece</p> <p>Title: "Consensus Gene Regulatory Network from Neurogenerative Single-cell RNA-seq Data."</p>
09:40-10:00	<p>Apollon Zoiros Hellenic University, Greece</p> <p>Title: "Efficient pre-processing of single-cell RNA-seq for unraveling Alzheimer's Disease signatures."</p>
10:00-11:00	Poster Flash
	<p>A Mobile Application for Adults' Cognitive Awareness and Enhancement. Panagiota Giannopoulou and Panagiotis Vlamos</p> <p>Personalized music playlists and headphones in people with dementia. A review of the literature. Notis Paraskevopoulos</p> <p>Neuroinformatic investigation of self-efficacy in mathematics Athina Papadopoulou</p> <p>The impact of genetic variability of TGF-beta signaling biomarkers in major craniofacial syndromes. Christos Yapijakis, Sofianna Davaria, Iphigenia Gintoni and George Chrousos</p> <p>Coping Strategies in Greek Parents of Children with Cancer. Ioannis Koutelekos, Maria Polikandrioti, Panagiota Krokou, Evangelos Dousis, Chrysoula Dafogianni, Eleni Evangelou, Eugenia Vlachou, Vasiliki Ntre, Stella Geronikolou, Dimitrios Koukoularis and Afroditi Zartaloudi</p>
11:00-11:30	Coffee Break

SATURDAY AFTERNOON October 22, 2022

11:30-13:30	Hands-on session
Venue	Room R5 (Computers Lab), Department of Environment, Ionian University
	Machine Learning and Network-based processes for Neurodegenerative diseases using Python/Matlab/Octave
	Chair: Aris Vrahatis
11:30-12:	Georgios N. Dimitrakopoulos Ionian University, Greece Title: "EEG signal analysis using EEGLAB."
12:00-12:30	Dimitrios Koumadorakis Ionian University, Greece Title: "Graph Topologies and Approaches in Neurodegenerative Diseases (Matlab/Octave)."
12:30-13:00	Eugenia Papadaki Ionian University, Greece Title: "Classification of Alzheimer's Disease Using Convolutional Neural Networks (Python)."
13:00-13:30	Discussion and Q&A
13:30-15:00	Lunch Break

SATURDAY EVENING October 22, 2022

15:00-16:00	Workshop Session
Venue	Room D2, Department of Environment, Ionian University
15:00-16:00	Workshop #2: Genomic Factors and their association with diseases
	Chair: Antigoni Avramouli
	<p>Louis Papageorgiou Agricultural University of Athens, Greece</p> <p>Semantic and population analysis of the genetic targets related to COVID-19 and its association with genes and diseases.</p> <p>ADRA2B and HTR1A: An updated study of the biogenic amine receptors reveals novel conserved motifs which play key role in Mental Disorders.</p> <p>A genomic study of the Japanese population focusing on the glucocorticoid receptor interactome highlights distinct genetic characteristics associated with stress response.</p>
16:00-17:00	Poster Flash
	<p>Clinical and molecular genetic analysis of cases with ectodermal dysplasia. Christos Yapijakis, Anna Douka, Iphigenia Gintoni, Konstantinos Agiannitopoulos and George Chrousos</p> <p>Computational methods for anticancer drug discovery; the MCT4 paradigm. Eleni Papakonstantinou, Dimitrios Vlachakis, Trias Thireou, Panayiotis Vlachoyiannopoulos and Elias Eliopoulos</p> <p>Collaborative platforms and matchmaking algorithms for research and education, establishment and optimization of consortia. Eleni Papakonstantinou, Vasiliki Efthymiou, Konstantina Dragoumani, Maria Christodoulou and Dimitrios Vlachakis</p> <p>Anxiety and depression in parents of children undergoing hematopoietic stem cell transplant (HSCT). Alexandra Papasarantopoulou, Maria Polikandrioti, Evangelos Dousis, Eleni Evangelou, Afroditi Zartaloudi, Chrysoula Dafogianni, Evdokia Misouridou, Niki Pavlatou, Kostantinos Mintzaridis and Ioannis Koutelekos</p>
17:00-17:30	Networking

SATURDAY EVENING October 22, 2022

17:30-18:10	Neuro-related advances
	Chair: Marios Krokidis
17:30-17:50	<p>Gerasimos Grammenos Ionian University, Greece</p> <p>Title: “Pressure prediction on Mechanical Ventilation Control using Bidirectional Long-Short Term Memory Neural Networks.”</p>
17:50-18:10	<p>Vassilis Pelekanos University of Nottingham, UK</p> <p>Title: “Structural connectivity changes in response to fornix transection in macaque monkeys.”</p>
18:10-19:30	Poster Flash
	<p>Endosymbiosis in nature and the gut-brain axis. Eleni Papakonstantinou, Konstantina Dragoumani, Flora Bacopoulou, George Chrousos, Elias Eliopoulos and Dimitrios Vlachakis</p> <p>Human breast milk omics and neurodevelopment. Eleni Papakonstantinou, Panagiotis Vlamos, Flora Bacopoulou, Elias Eliopoulos, George Chrousos and Dimitrios Vlachakis</p> <p>Nurses’ knowledge concerning prevention and treatment of pressure ulcers. Panagiota Eirinidou, Georgia Gerogianni, Georgios Vasilopoulos, Ioannis Kalemikerakis, Antonia Kalogianni, Evridiki Kaba, Georgia Fasoi, Afroditi Zartaloudi and Martha Kelesi</p> <p>Greek adaptation and validation of the Bad Sobernheim Stress Questionnaire-Brace and the Bad Sobernheim Stress Questionnaire-Deformity. Alexandros Kastrinis, Giorgos Koumantakis, Maria Tsekoura, Eleni Nomikou, Marianna Katsoulaki, Maria Takousi, Nikolaos Strimpakos and Zacharias Dimitriadis</p> <p>The effect of Schroth method on postural control and balance in patients with Adolescent Idiopathic Scoliosis. A Literature Review. Alexandros Kastrinis, Giorgos Koumantakis, Maria Tsekoura, Eleni Nomikou, Marianna Katsoulaki, Evangelos Theodosopoulos, Nikolaos Strimpakos and Zacharias Dimitriadis</p>