

Elena Triantafyllopoulou

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EDUCATION

expected 2019 **B.Sc. double major in Biology and Psychology**
University of Central Florida, Orlando, FL
GPA: 3.57

RESEARCH INTERESTS

Human mind-brain connection and evolution of human behavior.

RESEARCH EXPERIENCE

spring 2016 – present **Research Assistant**

Minds in Technology – Machines in Thought Laboratory Dr. P. A. Hancock

Under PhD student, Keith MacArthur, as an undergraduate research assistant. Research in Human Factors Psychology. Projects include pupillometric dialation in relation to arousal, human response to drones in public places, human response to robots.

University of Central Florida, Orlando, FL

PROFESSIONAL DEVELOPMENT

fall 2016

President

Student Chapter of American Psychological Association Division of Applied Experimental & Engineering Psychology

University of Central Florida, Orlando, FL

HONORS & AWARDS

spring 2016 Dean's List, College of Science

fall 2016 – present Federal Pell Grant, Black and Gold Grant, FL Student Assistance Grant

fall 2016 – present Bright Futures Florida Medallion Scholarship

RESEARCH CERTIFICATIONS

spring 2016 Collaborative Institutional Training Initiative (CITI) Program

spring 2016 Environmental Health & Safety (EHS) Laboratory Safety Training

RELATIVE COURSEWORK

fall 2016

Genomics Lab: Methods in Data Collection and Analysis Dr. A. Savage, Dr. A. Forsman

Isolated, manipulated, generated, and analyzed Cuban tree frog (*Osteopilus septentrionalis*) RNA and DNA using core molecular methods. Purified nucleic acids, quantified nucleic acids, amplified DNA, quantified DNA, ran gel electrophoresis, constructed cDNA library for NGS of whole transcriptome. Maintained laboratory notebook. Manipulated genome-scale datasets using established bioinformatics for whole transcriptome assembly. Presented findings.

University of Central Florida, Orlando, FL

DEVELOPED SKILLS

eye tracker operation

DNA purification, quantification, and amplification using genomics apparatus and PCR machine

quantitative DNA amplification using qPCR machine

gel electrophoresis

cDNA library construction for Next Generation Sequencing (Illumina)

genome-scale dataset analysis using bioinformatics for whole transcriptome assembly

Geneious operation

LANGUAGES

Greek (modern; first language – fluent)

English (second language – fluent)