

PERSONAL INFORMATION

Georgios Niotis



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● Giorgos Niot (Skype)

Date of birth 22/10/1993 | Nationality Greek

EDUCATION AND TRAINING

9 /2018 – now

MSc, in Molecular Biology – Biomedicine

Overseen by Faculty of Biology, University of Crete (UoC) and IMBB – FORTH, Heraklion, Greece

Rotation training courses:

- Neurophysiology and Behavior Lab, Dr. Kiriaki Sidiropoulou
- Physiology and Genome Instability Lab, Dr. George Garinis
- Stem Cells and Gene regulation Lab, Dr. Andoniki Kretsovali

9 /2012 – 9 /2017

BA in Biology (240 ECTS)

Faculty of Biology, School of Science, National and Kapodistrian University of Athens (UoA), Athens, Greece

Focus on Molecular, cellular biology and Genetics subjects

RESEARCH EXPERIENCE

1 /2018 – 5 /2018

Internship, Architecture et Fonction des Macromolécules Biologiques (AFMB), CNRS – Aix Marseille, Marseille, France

Viral Replicases: Structure, function and drug-design, Group of Dr. Bruno Canard

Project:

- Elucidation of mechanisms of actions of the most potent and broadly effective acetohydroxamic acid derivatives with *in vitro* biochemical studies using purified Flaviviral metalloenzymes.

Job-related technical skills:

- Protein purification (Affinity Chromatography - Size exclusion chromatography)
- Activity test and kinetic analysis of enzymes (ATPase activity, Polymerase activity)
- *In vitro* screening assays
- Thermal Shift Assay
- Docking studies (Programs: Chimera, AutoDock Vina).

6 /2016 – 10 /2017

Diploma thesis, Hellenic Pasteur Institute, Athens, Greece

Molecular Virology, Faculty of Microbiology

Group of Dr. Niki Vassilaki

Title of diploma thesis: “Study of broadly active antiviral inhibitors for *Flaviviridae* viruses and determination of the mechanism of action through analysis of mutations”

Job-related technical skills:

- Cell culture techniques – Electroporation in mammal cells
- Infection system (BCL2+)- Subgenomic replicon systems Dengue Virus (DENV), Hepatitis C (HCV), Yellow Fever (YFV) virus, Zika virus (ZIKV)
- Molecular techniques (PCR, RT-PCR, Real time)
- Total RNA and DNA extraction
- Quantification of proteins (Western Blot, Bradford, Enzyme luciferase assay)
- Cloning techniques

PERSONAL SKILLS

Native language

Greek

Other language

English

ESB, English Speaking Broad (International) Ltd, Level C2

German

Goethe – Zertifikat B1

ADDITIONAL INFORMATION

Presentations

- **Novel acetohydroxamic metal-chelators targeting the replication of Flaviviridae viruses**, 25th International Symposium on Hepatitis C Virus and Related Viruses. Dublin, Ireland, 8- 11 Oct. 2018
Poster Presentation
Frakolaki E., Niotis G., Karakostas C., Giannakopoulou E., Pardali V., Windisch M., Bartenschlager R Papageorgiou N., Canard B., Zoidis G. and N. Vassilaki
- **Developing a novel infectious cell model of Flaviviridae viruses that simulates in vivo normoxi and metabolic microenvironment for the characterization of broadly effective antivirals**, 68 Annual Conference of the Hellenic Society for Biochemistry and Molecular Biology (HSBMB, 2nd 27/11/2017, Athens, Greece)
Oral presentation
Efseveia Frakolaki, Panagiota Kaimou, Giorgos Niotis, Marios Dimitriou, Erofilii Giannakopoulou Vassiliki Pardali, Vassilios Myrianthopoulos, Emmanuel Mikros, Ralf Bartenschlager, Penelop Mavromara, Grigoris Zoidis, Niki Vassilaki
- **Evaluation and characterization of broadly active chelating inhibitors against Flaviviridae virus** 3rd Master and Postdoc Students Meeting (Hellenic Pasteur Institute, 28/9/2017, Athens)
Oral presentation
M. Dimitriou, G. Niotis*, E. Frakolaki, E. Giannakopoulou, V. Pardali, V. Myrianthopoulos, E. Mikros, M. Windisch, R. Bartenschlager, G. Zoidis, N. Vassilaki*
***equal contribution**
- **Broadly Active Chelating Inhibitors of Flaviviridae Viruses. Characterization under Tissue Normoxic Conditions that Favor Viral Replication**, 24th International Symposium on Hepatitis C Virus and Related Virus (HCV 2017, 25-28/9/2017, Cape Cod)
Poster
Efseveia Frakolaki, Erofilii Giannakopoulou, Vassiliki Pardali, Vassilios Myrianthopoulos, Marios Dimitriou, Giorgos Niotis, Emmanuel Mikros, Marc Windisch, Ralf Bartenschlager, Grigoris Zoidis, Niki Vassilaki

- **Mechanism of action of broadly effective inhibitors targeting hepaci- and flavivirus replication: Validation under liver normoxic conditions**, 67o Annual Conference of the Hellenic Society for Biochemistry and Molecular Biology (HSBMB, 25-27/11/2016, Ioannina)
Oral presentation
*Efseveia Frakolaki, Panagiota Kaimou, Konstantinos Kelepouras, Erofilii Giannakopoulou, Vassilios Myriantopoulos, **Giorgos Niotis**, Emmanuel Mikros, Ralf Bartenschlager, Penelope Mavromara, Grigoris Zoidis, Niki Vassilaki*

Scholarships

- Erasmus+ scholarship to conduct traineeship in the Architecture et Fonction des Macromolécules Biologiques (AFMB) laboratory (CNRS – Aix Marseille Univ.) in the team of Dr. Bruno Canard.
- Student scholarship by Bequest “Charikleia Mpirbili”

Voluntary action

- Zoological Museum, Dept. of Biology, University of Athens (Maintenance and classification of samples)
- ARCHELON, The Sea Turtle Protection Society of Greece

Recommendations

Dr. Bruno CANARD, Research director, Viral Replicases: Structure, function and drug-design, Architecture et Fonction des Macromolécules Biologiques (AFMB), overseen by the CNRS and AMU, Marseille, France, Email : Bruno.Canard@afmb.univ-mrs.fr

Dr. Niki Vassilaki, Researcher, Molecular Virology, Hellenique Pasteur Institute, Email: nikiv@pasteur.gr