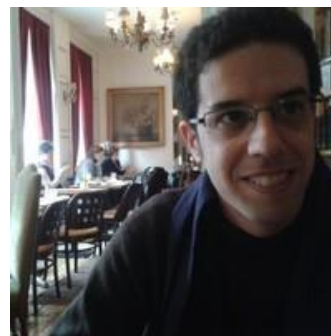


PERSONAL INFORMATION

Family Name: Axiotis
 First Name: Evangelos
 E-mail: axiotisevan@pharm.uoa.gr
 Phone: +306944934227 (M)



- **EDUCATION**

2015 PhD in Clinical Immunology

Faculty of Medicine / Department of Molecular Medicine, University of Rome “La Sapienza”, Rome, Italy

Supervisor: Prof. Massimo Fiorilli; Dott.ssa Rita Carsetti

2011 M.Sc. in Pharmaceutical Chemistry and Technologies (CTF)

Faculty of Pharmacy / Department of Pharmaceutical Chemistry and Technologies, University of Rome “La Sapienza”, Rome, Italy

- **CURRENT POSITION**

2016-present: Postdoctoral Research Scientist,
 Faculty of Pharmacy / Department of Pharmacognosy and Natural
 Products Chemistry, National and Kapodistrian University of Athens,
 Greece

- **PROFESSIONAL QUALIFICATIONS**

Since 12/2014: Licensed pharmacist in Greece.
 Qualification obtained by Ministry of Health

Since 09/2014: Licensed pharmacist and hospital pharmacist in Denmark.
 Qualification obtained by Danish Health and Medicines Authority,
 Denmark

Since 09/2012: Licensed pharmacist in Italy.
 Qualification obtained by Ministry of Health

- **WORK EXPERIENCE**

12/2019 – 03/2020: Research Intern, Neuro-Sys, Marseilles, France

03/2015 - 04/2016: Full time Pharmacist, Pharmacy

01/2011 - 02/2015: Research Assistant, University of Rome “La Sapienza”, Department
 of Clinical Immunology, School of Medicine

04/2011 - 10/2011: Research Assistant, Italian Institute of Health, MIPI Research Group,
 Rome, Italy.

03/2013 - 09/2015: Full time Pharmacist and Night Shift Pharmacist, Pharmacy.

10/2007 - 03/2008: Professional Internship, Pharmacy, Rome, Italy.

12/2005 - 03/2011: Research Assistant, Italian National Center of Research (CNR),
 Rome, Italy.

12/2003 - 07/2005: Research Assistant, University of Rome “La Sapienza”, Institute of
 Microbiology and Virology laboratory of “Tor Vergata” University,
 Rome, Italy.

- **RESEARCH GRANTS**

2018-2021 **Research for the Utilization of Beekeeping products and by-products of Winemaking in the Islands of North Aegean Region**
Funded by North Aegean Region
Faculty of Pharmacy / Department of Pharmacognosy and Natural Products
Chemistry

2016-2017 **Phytochemical Analysis of Plant Biodiversity on the North Aegean Islands**
Funded by North Aegean Region
Faculty of Pharmacy / Department of Pharmacognosy and Natural Products
Chemistry
Supervisor

- **INFRASTRUCTURE GRANT**

2019-2023 **Natural Product Chemistry Research Center “NatPro_Aegean”**
Funded by North Aegean Region
Faculty of Pharmacy / Department of Pharmacognosy and Natural Products
Chemistry
<http://natproaegean.pharm.uoa.gr/>

- **FELLOWSHIPS**

2020-2021 **EPAnEK “Competitiveness, Entrepreneurship & Innovation”**
OliveHeart Research Project

2019-2020 **MSCA-RISE (2019-2020)**, Horizon 2020 – EU.1.3.3.
OliveNet Research Project

Research Internship at “Neuro-Sys”, Marseilles, France

2019 **Kleon Tsetis Foundation scholarship (2019)**
“Phytochemical Analysis of the plants of North Aegean Islands”.

2018-2019 **EPAnEK “Competitiveness, Entrepreneurship & Innovation”**
Plant Up Research Project
Faculty of Pharmacy / Department of Pharmacognosy and Natural Products
Chemistry, National and Kapodistrian University of Athens, Greece

2018 **Kleon Tsetis Foundation scholarship (2018)**
“Phytochemical Analysis of the plants of North Aegean Islands”.

2014-2015 **Telethon Foundation scholarship (2014-2015)**,
TTnumber: GEP13085
“Deciphering the mechanism of immune dysfunction in Vici Syndrome”.

2011-2014 **Ph.D. scholarship**
Faculty of Medicine / Department of Molecular Medicine, University of
Rome “La Sapienza”, Rome, Italy

- **RESEARCH INTERESTS**

Cell metabolomics methodologies for the investigation of natural products in molecular pathways (Immunology, CNS)

Separation and isolation of natural products with pharmacological activity (Reverse pharmacology).

Artificial Intelligence and BioNLP in Ethnopharmacology

Systematic botanics (Identification of new plant species).

- **SKILLS**

Immunology:

Immune cell isolation from human whole blood / PBMC;
Tissue Culture, human primary cell culture (myocytes, fibroblasts, neuronal);
Cell based assays: Transfection, differentiation, FACS;
Molecular Biology: Protein and DNA isolation, antibody labeling, Western blotting;
Bioanalytical assays: ELISA, fluorescence;
Cell imaging: confocal, fluorescence imaging and analysis

Virology and mycobacteriology:

Cells cultures (*Sh* for neuroblastoma and *Nc* for pulmonary carcinoma)
Virus manipulation (Herpes Simplex and A/NW5/33 – H1N1) in P3 aseptic conditions. In vivo experiments (influenza virus infection of Balb/c), western blotting, PCR, m.o.i, electrophoresis and immunofluorescence.
Mycobacterium tuberculosis cultivation in P3 aseptic conditions. In vivo experiments

Analytical Chemistry:

QA/QC, assay development and optimization
Expertise in HPLC; prep-HPLC; UHPLC & UPLC hyphenated to UV, DAD & MS detectors; GC & GC-MS; HPTLC; HRMS&HRMS/MS;

Natural Products Extraction and Isolation:

Expertise in Supercritical Fluid Extraction (SFE); Ultrasound and Microwave plant extraction; Hydrodistillation and Steam distillation for essential oils.

Pharmaceutical Gene delivery Systems

Synthetic liposome synthesis; liposome extrusion, Differential Scanning Calorimetry (DSC).

- **COMPUTING**

Software for database search (Scifinder), HPLC system operation and data processing (Chromquest), GC-& LC-MS system operation and data processing (Xcalibur, DataAnalysis, Analyst). Software for proteomics, genomics, cellular dynamics and bioinformatics (Biopython, FlowJo, ImageJ, CellProfiler). Software for virtual docking (Autodock, PyMOL and Chimera). Software for statistical analysis (R and Excel)

- **ACADEMIC PUBLICATIONS**

1) **Phytochemical Screening of *Cymbidium* SW orchid cultivation by-products from Samos Island.**

Under preparation

2) **Quality Control of Different *Sideritis* Species by Introducing an Integrated Approach for Metabolite Profiling**

Under Submission

3) **A personalized Artificial – Intelligence- enabled Method for Efficient Research in Ethnopharmacology. The case of Southern Balkans and Coastal Zone of Asia Minor**

Submitted, Applied Sciences

Evangelos Axiotis, Andreas Kontogiannis, Eleftherios Kalpoutzakis and George Giannakopoulos

4) **New Floristic Record for Lesvos Island**

Phytologia Balcanica 26(2): 187

Evangelos Axiotis, Makis Axiotis & Kit Tan

5) **Phytochemical Profile and Biological Activity of Endemic *Sideritis sipylea* Boiss. in North Aegean Greek Islands**

Molecules 2020, 25(9), 2022.

Evangelos Axiotis, Eleftherios A. Petrakis, Maria Halabalaki and Sofia Mitakou

- 6) **New Floristic Records for Lesvos Island**
Phytologia Balcanica 24(3): 397-461
Evangelos Axiotis, Makis Axiotis & KitTan
 - 7) **An ethnobotanical study of medicinal plants in the Greek Islands of North Aegean Region**
Frontiers in Pharmacology, 2018 May 23;9:409.
Evangelos Axiotis, Maria Halabalaki, Leandros A. Skaltsounis
 - 8) **The Vici Syndrome protein EPG5 regulates intracellular nucleic acid trafficking linking autophagy to innate and adaptive immunity**
Autophagy, 2017 Nov 13:1-16
Piano Mortari E, Folgiero V, Marcellini V, Romania P, Bellacchio E, D'Alicandro V, Bocci C, Carozzo R, Martinelli D, Petrini S, Axiotis E, Farroni C, Locatelli F, Schara U, Pilz DT, Jugbluth H, Dionisi-Vici C, Carsetti R.
 - 9) **Hepatitis B virus cause mixed cryoglobulinemia by driving clonal expansion of innate B cells producing a VH1/69/encoded antibody**
Clin. Exp. Rheumatol. 2016 May-Jun; 34
Marcella Visentini, Simona Pascolini, Milica Mitrewski, Ramona Marrapodi, Cristina Lazzeri, Laura Todi, Alessandro Camponeschi, Stefania Colantuono, Evangelos Axiotis, Maurizio Carlesimo, Adriano De Santis, Massimo Fiorilli, Milvia Casato.
- **POSTER**
 - 1) **Investigation of Greek Honeys using HR-NMR and LC-HRMS metabolomics, for the determination of their geographical, botanical origin and authenticity – POSTER**
Gabriela Belén Lemus Ringele, Evangelos Axiotis, Sotirios Katsikis, Aikaterini Argyropoulou, Leandros A. Skaltsounis, Maria Halabalaki
Conference: 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (Innsbruck, Austria / September 2019)
 - 2) **An Ethnobotanical Study and Phytochemical Analysis of Medicinal plants in the Greek Islands of North Aegean Region - POSTER**
Evangelos Axiotis, Maria Halabalaki, Sofia Mitakou, Leandros A. Skaltsounis
Conference: 30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (Athens, Greece / October 2018)
 - 3) **HPLC and HPTLC metabolite fingerprinting for the quality control of Sideritis species - POSTER**
Efsthathia Thoma, Evangelos Axiotis, Georgia Ntasi, Eleftherios A. Petrakis, Maria Halabalaki, Leandros A. Skaltsounis
Conference: From Plants to pharmacy shelf (Bansko, Bulgaria / October 2017)
 - 4) **Monitoring of Extra Virgin Olive Oil (EVOO) biophenols composition during long-term storage – Qualitative and Quantitative Aspects - POSTER**
Aikaterini Triandopoulou, Panagiotis Stathopoulos, Evangelos Axiotis, Maria Halabalaki, Sofia Mitakou, Leandros Skaltsounis
Καλαμάτα (Ιούλιος 2016)
 - 5) **Deciphering the mechanism of immune dysfunction in Vici syndrome - POSTER**
Evangelos Axiotis
BeMM symposium 2015 (January 2015, Rome)

- **ORAL PRESENTATIONS**

- 1) **A Personalized Artificial-Intelligence-enabled Method for Efficient Research in Ethnopharmacology**
November 2020
FOSSCOMM 2020 (Free and Open-Source Software Communities Meeting)
- 2) **Ethnobotanical study in the islands of the North-East Aegean. Reference to Invasive Alien Plant species of Ethnopharmacological interest on Lesbos Island**
(In Greek)
October 2019
1st National Congress of Ethnopharmacology (Athens, Greece)
- 3) **Business Discovery in the Context of Implementing the Smart Specialization Strategy (RIS) in Greece**
(In Greek)
July 2019
Workshop for North Aegean Region (Chios, Chios Island, Greece)
- 4) **Ethnopharmacology at the Cultural Crossroads between Greece and Asia Minor. Chemical Composition and Biological Activity of *Sideritis sipylea* BOISS, an Endemic Species from North Aegean Greek Islands**
19th International Congress of the International Society for Ethnopharmacology
June 2019
(Dresden, Germany)
- 5) **Study of the Natural biodiversity of the North-East Aegean Islands. Phytochemical analysis of selected plant species with pharmaceutical and para-pharmaceutical interest**
November 2018 (In Greek)
Workshop for North Aegean Region (Vathi, Samos island, Greece)
- 6) **Study of the Natural biodiversity of the North-East Aegean Islands. Phytochemical analysis of selected plant species**
March 2018 (In Greek)
Workshop for North Aegean Region (Chios, Chios island, Greece)
- 7) ***Sideritis sipylea* “Tsai tou Vounou”. Chemical composition of an endemic and endangered species from North Aegean Greek islands.**
October 2017 (In Greek)
Workshop for North Aegean Region (Aghios, Lesbos island, Greece)
- 8) **Phytochemical Analysis of the plant biodiversity of the North Aegean Islands**
June 2017 (In Greek)
Workshop for North Aegean Region (Mitilini, Lesbos island, Greece)
- 9) **Toll-like receptors polymorphisms in human diseases**
July 2013
Oral presentation, University of Rome “La Sapienza”, Medicine School
- 10) **Leptin receptors in cells originating outside the bone marrow and its role in the molecular immune control of chronic tuberculosis**
May 2012
Oral presentation, National Institute of Health (Rome, Italy)

- **OTHER PUBLICATIONS**

- 1) **Phytochemical Analysis of the Plant Biodiversity of the Islands of North Aegean Region (in Greek)**
Research Project Results for North Aegean Region

https://www.pvaigaiou.gov.gr/dyn/newspdf/symbash_gia_dhmosiopihs_1_130_918072419101925.pdf?fbclid=IwAR0gFCnbpPd7u6Qt1vVt_w2zpn5wmR-L7oezpZs6DmzcPHSU6LL3290x7hQ

- 2) **Practical Guide to Cultivation of Selected Aromatic and Medicinal Plants of North Aegean Islands**
North Aegean Region
https://issuu.com/north_aegean_biodiversity/docs/
 - 3) **Biodiversity of Microfauna and Microflora on Lesvos Island Fresh Waters – BOOK**
Makis Axiotis, Evangelos Axiotis
ISBN: 978-960-93-9213-6, 2017
 - 4) **Medicinal Plants of Greece. The Research in Lesvos Island - (BOOK in Greek)**
Ενδελέχεια
Makis Axiotis, Evangelos Axiotis
ISBN: 978-960-7886-18-7, 2012
 - 5) **Η σπείρα της σκέψης – (BOOK in Greek, poems)**
Αιολίδα
Evangelos Axiotis
ISBN: 978-960-9653-077, 2012
 - 6) **Oltre la logica – (BOOK in Greek, poems)**
Αιολίδα
Evangelos Axiotis, 2010
- More than 40 articles for the Ethnopharmacology of the Islands of North Aegean Islands (newspaper of Northern east Aegean Islands print and online version – bimonthly newspaper column)
 - More than 30 articles in Italian and Greek online magazines for political philosophy, cinema and art
 - **SUPERVISOR**

Private Pharmacy: Supervisor and training manager of more than 15 new pharmacists, night shift pharmacists in Italy and Greece (Pharmacy management, Galenic formulations laboratory management)

University: Supervisor in 1 master degrees and 1 PhD candidates in Medicine School, Rome (Immunology, Rare Diseases, Infectious Diseases). Supervisor in Bachelor Degree Thesis in Pharmacy School, Athens (Natural Products Chemistry and Pharmacognosy)

- **REVIEWING ACTIVITIES**

Antibodies, Applied Science, Antioxidants, Genes, Plants, Medicina, Nutrients, Toxins, Frontiers in Pharmacology, Journal of Ethnopharmacology, Processes, Vaccines, Pathogens

- **MEMBERSHIPS IN SCIENTIFIC SOCIETIES**

- 1) Hellenic Society of Medicinal Chemistry
- 2) International Society for Ethnopharmacology
- 3) Hellenic Pharmaceutical Society
- 4) Order of Pharmacists in Rome
- 5) American Chemical Society