

Charalampos (Harris) Andreas Lazaris

Current address

334 East 26th Street
Vilcek Hall 12H1
New York
NY, 10010, USA

Mobile (US): +18583361809
Phone (GR): +30 26930 71281
E-mail: lazaris@nyu.edu
chlazaris@gmail.com
LinkedIn: chlazaris

Permanent address

Ano Alissos Dimis
Vrahneika
Patras
Postal code: 25002
Greece

Education

- August 2013 - today **PhD in Biomedical Sciences-Specialization in Biomedical Informatics.** School of Arts & Science, New York University (NYU). **Cumulative GPA: 3.868.**
- September 2011 - August 2012 **MSc in Bioinformatics.** School of Science & Engineering, University of Edinburgh, Scotland, United Kingdom. **GPA: 73.06/100 (First Class Honors) (Awarded with Distinction).**
- October 2006- April 2009 **MSc in Molecular Biology- Biomedicine.** University of Crete & IMBB-FORTH, Heraklion, Crete, Greece. **GPA: 8.68/10.00 (Excellent).**
- October 2000- November 2005 **BSc in Biological Applications & Technologies.** University of Ioannina, Greece.(**GPA: 8.94/10.00, Excellent, Ranked 1st**).
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Research Interests

Transcriptional regulation, nuclear organization, bioinformatics, systems biology, cancer.

Publications

Submitted

A. Strikoudis, **C. Lazaris**, T. Trimarchi, A. L. Galvao Neto, Y. Yang, P. Ntziachristos, S. Rothbart, S. Buckley, C. Loomis, I. Dolgalev, A. Tsirigos, M. Stadtfeld, B. D. Strahl, B. D. Dynlacht, I. Aifantis, “The PHD-finger protein Phf5a controls stemness and cell differentiation through the regulation of PolII transcriptional elongation” (submitted to *Nature Cell Biology*, November 2015—currently under review).

Published

N. Kourtis, R. S. Moubarak, B. Aranda-Orgilles, K. Lui, I. T. Aydin, T. Trimarchi, F. Darvishian, C. Salvaggio, J. Zhong, K. Bhatt, E. I. Chen, J. T. Celebi, **C. Lazaris**, A. Tsirigos, I. Osman, E. Hernando, and I. Aifantis, FBXW7 modulates cellular stress response and metastatic potential through HSF1 post-translational modification, *Nature Cell Biology*, vol. 17, no. 3, pp. 322-332, Mar. 2015.

Posters-Presentations

“The PHD-finger protein Phf5a controls stemness through the regulation of Paf1 complex function”.

Alexandros Strikoudis, **Charalampos Lazaris**, Thomas Trimarchi, Aristotelis Tsirigos and Iannis Aifantis. HHMI Science Meeting, June 9-11, 2015, HHMI-Janelia Research Campus, VA, USA

Work experience

(January 2013 - July 2013) Staff Research Associate I - Section of Ecology, Behavior and Evolution, Division of Biological Sciences, University of California, San Diego, USA. Worked on yeast aging under the supervision of Assistant Professor Scott A. Rifkin.

(May 2012- August 2012) MSc thesis, “Evolutionary analysis of the GAL network in yeast”. Completed under the supervision of Prof. P.S.Swain at the Centre of Systems & Synthetic Biology, University of Edinburgh, Scotland, UK.

(July 2007- October 2008) MSc thesis, “Single-cell analysis of heat-shock protein expression in *Saccharomyces cerevisiae*”, IMBB-FORTH, Heraklion, Crete, Greece.

(September 2005- September 2006) Voluntary work, “Regulation of IL-2 transcriptional repression by Ets-2”, Laboratory of Hematology, Medical School, University of Patras, Patras, Greece.

(March 2005- August 2005) Undergraduate thesis, “Chemokine expression in human ovarian cancer”, University of Pennsylvania Medical School, Philadelphia, USA.

Honours & Awards

Sackler Travel Award to attend 1st Summer Institute in Statistics for Big Data, University of Washington, Seattle, USA (July 2015).

Scholarship (fully covers tuition) to attend 1st Summer Institute in Statistics for Big Data, University of Washington, Seattle, USA (July 2015).

Sackler Dean’s Scholarship and full Sackler PhD Scholarship. NYU School of Medicine, Sackler Institute (2013).

AAAS/Science Excellence in Science Award (2013).

MSc awarded with Distinction, MSc in Bioinformatics, University of Edinburgh (2012).

Award from the Student Awards Agency for Scotland (SAAS) and MSc Top Bursary from the University, to cover a large part of tuition fees for the MSc in Bioinformatics at the University of Edinburgh (2011).

Alexander Onassis Foundation Scholarship (2008).

Bodossakis Foundation Scholarship (gratefully declined) (2008).

EMBO Fellowship to cover registration at the EMBO Workshop on “Gene Transcription in Yeast”, Sant Feliu de Guixols, Spain, 21-26 June 2008.

Scholarship to complete undergraduate thesis at the University of Pennsylvania, Philadelphia, USA (2005).

Greek National Scholarships Foundation scholarships for undergraduate performance (2001–2, 2002–3, 2004–5).

Teaching

New York Academy of Sciences Afterschool Mentoring Fellow (January 2014–present).

Attended “Powerful teaching statements for STEM educators: An interactive workshop for scientists and teachers”, New York Academy of Sciences (NYAS), 09 November 2013.

Attended “Inspiring Teaching Conference”, Edinburgh University Students Association, Teviot Row House, Edinburgh, 25 January 2012.

University of Crete, Greece- Lab assistant in the undergraduate lab of “Biochemistry and Microbiology”, Spring 2008.

University of Crete, Greece- Lab assistant in the undergraduate lab of “Biochemistry and Microbiology”, Winter 2008.

Institute of Molecular Biology & Biotechnology - Undergraduate lab training in molecular biology.

Professional Activities

Associate Member, American Association for Cancer Research (AACR), September 2015–present.

NYAS Afterschool STEM Mentoring Fellow, January 2014–present.

F1000 Specialist, November 2013–present.

Member, American Association for the Advancement of Science (AAAS), September 2013–present.

Member, New York Academy of Sciences, September 2013–present.

Member, Onassis Scholars Foundation, October 2008–present.

Conferences and Workshops Attended

1st NYGC Epigenomics Symposium, New York Genome Center, New York, May 4th 2015.

Workshop on Academic Writing, NYU School of Journalism, Spring 2015 (Instructor: Stephan Hall).

Selected to attend the Summer Course in “Modeling in Systems Biology” held at the Centre for Genomic Regulation, Barcelona, Spain in early July 2012 (12 external participants were selected among the applicants).

EMBO Workshop on the Operon Model and its impact on modern molecular biology, Paster Institute, Paris, France, 17-20 May 2011.

School of Biological Sciences/ University of Cambridge Workshop: “Learning Programming with Perl”, Instructor: Paul Weston, 01-03 June 2011.

School of Biological Sciences/ University of Cambridge Workshop: "Learning Programming with Perl", Instructor: Paul Weston, 02-04 June 2010.

School of Biological Sciences/ University of Cambridge Workshop: "A beginner's guide to R", 17-18 May 2010.

European Bioinformatics Institute/University of Cambridge Workshop: "Browsing Genes and Genomes with Ensembl", 11-12 February 2010.

European Bioinformatics Institute/University of Cambridge Workshop: "Introduction to Bioinformatics at EBI", 3-4 December 2009.

European Molecular Biology Organization (EMBO) Workshop: "Gene Transcription in Yeast", Sant Feliu de Guixols, Spain, 21-26 June 2008.

Skills

Lab skills

Standard molecular biology techniques (DNA purification, cloning, RNA isolation, RT-PCR, Western blot, DNA and protein electrophoresis).
Standard PCR, Real-time PCR.
Immunoprecipitation, Immunofluorescence.
Imaging: light microscopy, epifluorescence microscopy, confocal microscopy.
Cell culture: yeast and mammalian cell culture.

Computing

UNIX/Linux command line
Basic programming skills in Perl.
Advanced programming skills in Python.
Extensive use of PCs and Macintosh Computers.
Some use of computers running Linux versions (Fedora, Ubuntu).
Extensive use of Microsoft Office (Word, Excel, Powerpoint) and iWork (Pages, Numbers, Keynote).
Use of packages to prepare databases especially for lab organization purposes (Filemaker).
LaTeX.
Extensive use of software useful for Molecular Biology and figure preparation. Adobe Photoshop (versions CS2, CS4, CS4), Adobe Illustrator (CS4 and CS5), sequence analysis software (MacVector, VectorNTI), bibliography management software (BibTex, BibDesk, Endnote, Sente, Papers).
Use of online tools available to Molecular Biologists (Primer3, Ensembl database, UniProt).

Languages

Greek (native speaker).
English (fluent) (Proficiency in English as a foreign language, University of Michigan, 2003 and IELTS 7.5/9.0, April 2009).

Competitions

The Wellcome Trust Science Prize 2011 Competition. Participated with the article "Three, two, one... cooperate" which was on the role of cooperation in survival and evolution.

Referees

1. Dr. Iannis Aifantis
Professor and Chair
Department of Pathology
NYU School of Medicine
522 First Ave., SRB 1304
New York, NY 10016
Phone: 212 263 9898
Fax: 212 263 36729
<http://aifantislab.com>

2. Dr. Aristotelis Tsirigos
Associate Professor
NYU Langone Medical Center
Department of Pathology,
240 East 38th Street,
Room 22-61, New York, NY 10016
Center for Health Informatics
and Bioinformatics,
227 East 30th Street, Room 730,
New York, NY 10016
Phones: (646)501-2693, (646)501-9202
Website: <http://www.tsirigos.com/>
E-mail: Aristotelis.Tsirigos@nyumc.org

3. Prof. Danny Reinberg
Howard Hughes Medical Institute
NYU Langone School of Medicine
Department of Biochemistry &
Molecular Pharmacology
522 First Avenue,
2nd Floor, Room 211
New York, New York 10016
Phones: 212-263-9036
E-mail: danny.reinberg@nyumc.org

4. Dr. Ross L. Levine
Laurence Joseph Dineen Chair in
Leukemia Research
Memorial Sloan Kettering Cancer Center
E-mail: leviner@mskcc.org

5. Dr. Scott A. Rifkin
Assistant Professor
Section of Ecology, Behavior & Evolution
University of California San Diego
(UCSD)
9500 Gilman Dr. La Jolla, CA 92093,
USA
Tel: +18588225748
E-mail: sarifkin@ucsd.edu

Note: Other references can be available upon request.

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