

Sarantis Chlamydas, Ph.D

E-mail: schlamydas@gmail.com |

Γ: English (bilingual level), Italian (bilingual level), Greek (native)

Ερευνητικά

Ως Ειδικός Ερευνητής Γ' στο Ε.Π.Ι. εξειδικεύομαι στον τομέα της Επιγενετικής.

Η έρευνα μου επικεντρώνεται στο τομέα των επιγενετικών βιοδεικτών νέας γενιάς και στον μοριακό μηχανισμό νοσημάτων.

Η επιγενετική ως επιστήμη μελετάει τις αλλαγές που συντελούνται στο γονιδίωμα και είναι ανεξάρτητες από μεταλλάξεις που συμβαίνουν στο γενετικό μας υλικό. Διάφοροι παράγοντες όπως διατροφή, κάπνισμα, καθορίζουν το επιγενετικό μας προφίλ και επηρεάζουν την έκφραση του ακόμα και στις επόμενες γενιές.

Η μελέτη των μηχανισμών ελέγχου του Επιγονιδιωματος μας θα μας βοηθήσει να αναπτύξουμε πιο στοχευμένες θεραπείες για την αντιμετώπιση σοβαρών ασθενειών

EXPERIENCE

03/2020 – Present, **Researcher C-level**, [University Research Institute \(U.R.I.\)](#)

[Athens, Greece](#)

11/2014 – Present, **Senior Market Development Manager**

[Active Motif Europe](#),

[Brussels, Belgium](#)

- Scientific consulting for epigenetic experiments and data interpretation in collaboration with R&D in Pharma companies worldwide
- Scientific support to academic laboratories across Europe
- Scientific training and educational courses in high profile European institutions
- Support Business Development and liaison with R&D to produce new products and implement novel technologies and protocols

01/2010 – 10/2014, Laboratory of Dr Akhtar, [Department of Chromatin Regulation](#),

[Max Planck Institute of Immunobiology and Epigenetics](#),

[Freiburg, Germany](#)

Post-doctoral fellow – Project: "Cross talk between epigenetic landscape and RNA pol II processing in the context of Dosage Compensation".

06/2006 – 12/2009, Laboratory of Dr Heun, [Department of Cellular and Molecular Immunology](#),

[Max Planck Institute of Immunobiology and Epigenetics](#),

[Freiburg, Germany](#)

Post-doctoral fellow – Project: "The novel role of MSL1 in mitosis"

12/2007-12/2009

DAAD fellow – Project: "Landscape of centromeric and pericentromeric chromatin in *Drosophila melanogaster*."

07/2007-10/2007

Guest scientist – Project: "The role of CID in neocentromere formation"

06/2006-08/2006

10/2004 – 10/2007, Laboratory of R. Caizzi, [Department of Genetics](#),

[University of Bari](#),

[Bari, Italy](#)

Ph.D. in Genetics, Project: "Towards understanding the chromosome 2 centromeric composition in *Drosophila melanogaster*."

10/2003 – 09/2004, Laboratory of Prof. M. Grano,

[General Hospital of Bari](#),

[Bari, Italy](#)

AIRC fellow, – Project: "Osteoclast function in multiple myeloma."

TEACHING AND MENTORING ACTIVITIES

- Established and maintained a long-term collaboration with the well-known Bioinformatics and Genomics labs in European Molecular Biology Laboratory (*EMBL*), Heidelberg
- Supervised a team of 4 Ph.D. students and a technician towards the accomplishment of a four year project
- Successful project management of a team of 4 high level collaborators contributing to “*The novel role of MSL1 in mitosis*”, publication under review
- Leading Epigenetic oriented courses and trainings in academic institutes and laboratories
- Taught the Genetic course, at undergraduate students in University of Bari (Italy)
- Mentored PhD and Master students in order to combine efforts and achieve high quality datasets for their theses
- Exhausted problem solving (related to the project) by utilizing available resources as well as brainstorming with related field experts

EDUCATION

10/2004 – 10/2007, **Ph.D. in Genetics**, Laboratory of R. Caizzi, Department of Genetics, University of Bari, Project: "Towards understanding the chromosome 2 centromeric composition in *Drosophila melanogaster*."

10/2001 – 09/2003, **MSc in Genetics and Physiopathology**, University of Bari, Italy
Thesis project: "Molecular and cytological characterization of insertion sites of a Bari1-based construct in *Drosophila melanogaster*."

09/1998 – 09/2001, **BSc in Biological Sciences**, University of Bari, Italy

PUBLICATIONS

Chlamydas S, Akhtar A. "Functional interplay between MSL1 and CDK7 controls RNA polymerase II Ser5 phosphorylation". *Nature Structural Molecular Biology* 23,580–589(2016)

Padeken J, Mendiburo M J, **Chlamydas S**, Schwarz H-J, Kremmer E, and Heun P. 2013. "The Nucleoplasmin Homolog NLP Mediates Centromere Clustering and Anchoring to the Nucleolus". *Molecular Cell* 50, 236-249

Plamen G, **Chlamydas S**, Akhtar A. "Drosophila dosage compensation: males are from Mars, females are from Venus". *Fly* 2019, Apr-Jun;5(2):147-54

Chlamydas S, Heun P. "The novel role of MSL1 in mitosis". *Under review, Developmental Cell*

Chlamydas S, Heun P, Dimitri P, Moschetti R, Barsanti P, Caizzi R. 2009. "The paracentric inversion In(2Rh)PL alters the centromeric organization of chromosome 2 in *Drosophila melanogaster*." *Chromosome Res.* 17(1): 1-9