
BIOGRAPHICAL SKETCH

NAME: **George Dialynas**

eRA COMMONS USER NAME: **GDialynas**

POSITION TITLE: **Senior Research Associate**

EDUCATION/TRAINING:

INSTITUTION AND LOCATION	DEGREE	Completion Date (MM/YYYY)	FIELD OF STUDY
University of Crete, Greece	Diploma / B.Sc.	10/2000	Biology
University of Crete, Greece	M.Sc.	03/2003	Molecular Biology/ Biomedicine
University of Ioannina, Greece	Ph.D.	03/2007	Cell Biology/ Biochemistry
University of Iowa, USA	Postdoc	10/2011	Chromatin/Nuclear organization
Stowers Institute, USA	Senior Research Associate	present	Chromatin/Gene Expression

A. Positions and Honors

Positions/Employment:

2003-07 Ioannina Biomedical Research Institute Pre-Doctoral Fellowship, School of Medicine, University of Ioannina, Greece, Mentor: Spyros D Georgatos
2007-11 Post-Doctoral Scholar, Department of Biochemistry, University of Iowa, USA, Mentor: Lori L Wallrath
2011-present Senior Research Associate, Stowers Institute for Medical Research, USA, Advisor: Jerry L Workman

Teaching Experience:

2001 Laboratory Assistant, Immunology (University of Crete)
2002 Laboratory Assistant, Molecular Biology (University of Crete)
2003-04 Laboratory Assistant, Molecular Biology (University of Ioannina)
2003-07 Laboratory Assistant, Cell Biology (University of Ioannina)

Honors:

2003-06 Ioannina Biomedical Research Institute (IBRI) Fellowship 2003-2006.
2006 Gardiki-Kouidou award for best oral presentation - 58th National Conference, Patras, Hellenic Society of Biochemistry and Molecular Biology (HSBMB).
2008-10 American Heart Association competitive postdoctoral fellowship (competitive award).
2010-11 American Heart Association competitive postdoctoral fellowship (competitive award renewal).
2010-11 French Association against Myopathies (AFM, Association Francaise contre les Myopathies) competitive postdoctoral fellowship (competitive award).

Professional Societies:

2008-present Genetics Society of America
2009-present American Society for Cell Biology

B. Peer Reviewed Publications

1. Niki Kourmouli, Panayiotis A. Theodoropoulos, **George Dialynas**, Alexandra Bakou, Anastasia S.Politou, Ian G.Cowell, Prim B.Singh and Spyros D. Georgatos (2000): Dynamic associations of heterochromatin protein 1 with the nuclear envelope. *The EMBO Journal*, vol.19, No.23, pp. 6558-6568.
2. Niki Kourmouli, **George Dialynas**, Chrysoula Petraki, Athina Pyrpasopoulou, Prim B. Singh, Spyros D. Georgatos, and Panayiotis Theodoropoulos (2001): Binding of Heterochromatin Protein 1 to the Nuclear Envelope Is Regulated by a Soluble Form of Tubulin. *Journal of Biological Chemistry*, vol.276, No.16, pp. 13007-13014.
3. Hara Polioudaki, Yolanda Markaki, Niki Kourmouli, **George Dialynas**, Panayiotis Theodoropoulos, Prim Singh, Spyros D. Georgatos (2004): Mitotic phosphorylation of histone H3 at threonine 3. *FEBS Letters*, vol.560, No. 1-3, pp. 39-44.
4. **George K. Dialynas**, Dimitra Makatsori, Niki Kourmouli, Panayiotis A. Theodoropoulos, Kevin McLean, Stefan Terjung, Prim B. Singh, and Spyros D. Georgatos (2006): Methylation-independent binding to histone H3 and cell cycle –dependent incorporation of HP1 β into heterochromatin. *Journal of Biological Chemistry*, vol.281, No.20, pp. 14350-60.
5. **George K. Dialynas**, Stefan Terjung, Jeremy P. Brown, Rebecca L. Aucott, Bettina Baron-Luhr, Prim B. Singh, and Spyros D. Georgatos (2007): Plasticity of HP1 proteins in mammalian cells. *Journal of Cell Science*, vol.120, No.19, pp. 3415-24.
6. **George K. Dialynas**, Michael W Vitalini, Lori L Wallrath (2008): Linking Heterochromatin Protein 1 (HP1) to cancer progression. *Mutation Research*, vol.647, Issues 1-2, pp. 13-20 (§)
(§ : Funded by American Heart Association, ¶ : Funded by AFM)
7. Sandra R. Schulze, Betrice Curio-Penny, Sean Speese, **George Dialynas**, Diane E. Cryderman, Caitrin W. Mc Donough, Demet Nalbant, Melissa Petersen, Vivian Budnick, Pamela K. Geyer and Lori Wallrath (2009): A Comparative study of Drosophila and human A-type lamins. *PLoS One*, October 26; 4(10): e7564 (§)
8. **George Dialynas**, Sean Speese, Vivian Budnik, Pamela K. Geyer and Lori L. Wallrath (2010). The role of Drosophila Lamin C in muscle function and gene expression. *Development*. Vol.137, Issue 18, pp. 3067-77 (§)
9. Michael W.Vitalini, Shannon R. Mackey, **George Dialynas** and Lori L. Wallrath (2010). Nuclear organization, chromatin structure and gene silencing. *Encyclopedia of Biological Chemistry*. Editor: Nancy L. Craig (§)
10. **George Dialynas**, Kaitlin M Flannery, Luka N Zirbel, Peter L Nagy, Katherine D Mathews, Steven A Moore and Lori L Wallrath (2012) LMNA variants cause cytoplasmic distribution of nuclear pore proteins in Drosophila and human muscle. *Human Molecular Genetics*, Vol. 21, Issue 7, pp.1544-56 (§,¶)
11. Monika Zwerger, Diana E Jaalouk, Maria L Lombardi, Philipp Isermann, Monika Mauermann, **George Dialynas**, Harald Herrmann, Lori L Wallrath and Jan Lammerding (2013) Myopathic lamin mutations impair nuclear stability in cells and tissue and disrupt nucleo-cytoskeletal coupling. *Human Molecular Genetics*, Vol. 22, Issue 12, pp. 2335-2349 (§, ¶)
12. Ryan D Mohan, **George Dialynas**, Vikki M Weake, Janqui Liu, Skylar Martin-Brown, Lawrence Florens, Michael P Washburn, Susan M Abmayr and Jerry Workman (2014) Loss of Drosophila Ataxin-7, a Saga subunit, reduces H2B ubiquitination and leads to neural and retinal degeneration. *Genes and Development*, Vol. 28, Issue 3, pp. 259-72

13. **George Dialynas**, Om K. Shrestha, Jessica M. Ponce, Monika Zwerger, Dylan A. Thiemann, Grant H. Young, Steven Moore, Liping Yu, Jan Lammerding and Lori L. Wallrath (2015) Myopathic lamin mutations cause reductive stress and activate the Nrf2/Keap-1 pathway. *PLoS Genetics*, 11(5): e1005231. doi:10.1371/journal.pgen.1005231 (§, ¶)

(§ : Funded by American Heart Association,

¶ : Funded by AFM)

Complete List of Published Work in MyBibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/george.dialynas.1/bibliography/47937121/public/?sort=date&direction=ascending>

D. Research Support

E. RESEARCH SUPPORT (competitive awards)

Completed Research Support:

Funding source: American Heart Association
Grant Number: 18666700 (BR01)
Award Period: 7/1/2008-6/30/2010
Project Title: The role of lamins in gene expression and development
Role: Postdoctoral Research Scholar
Budget: 80,772 USD

Funding source: American Heart Association
Grant Number: 10POST3920014 (BR01)
Award Period: 7/1/2010-6/30/2011
Project Title: The role of lamins in gene expression and development
Role: Postdoctoral Research Scholar
Budget: 43,428 USD

Funding source: French Association against Myopathies (AFM, Association Francaise contre les Myopathies)
Grant Number: 10POST1182040
Award Period: 10/1/2010-9/30/2011
Project Title: A Drosophila model for Emery-Dreifuss Muscular Dystrophy
Role: Postdoctoral Research Scholar
Budget: 25,000 Euros (35,000 USD)