

CURRICULUM VITAE

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EDUCATION

PhD, Cellular Biology and Biochemistry, Dept of Biology, National and Kapodistrian University of Athens (NKUA), Greece

BSc, Dept of Biology, National and Kapodistrian University of Athens (NKUA), Greece.

PATENTS AND INVENTIONS

1. WO Patent App. PCT/US2000/017,288 - Method for determining DNA double-stranded breaks.
2. US Patent 6,884,873 - Kit for determining DNA double-stranded breaks with anti- γ -H2A antibodies.
3. US Patent 6,362,317 - Anti- γ -H2A antibody, fusion proteins thereof and method and kit for determining DNA double-stranded breaks.
4. National Patent (Greece), OBI (Hellenic Industrial Property Organisation)
5. National Patent (Greece), OBI (Hellenic Industrial Property Organisation)

GRANTS & FELLOWSHIPS

- Jan 2017 – June 2019 “Competitiveness, Entrepreneurship and Innovation” Operational Programme, Partnership and Cooperation Agreement, NSRF 2014-2020.
- Sep 2003 – Mar 2006 “ENTER” grant, Program for the Researchers integration into the Greek Research and Technology System. Department of Molecular Biology & Genetics, Biomedical Sciences Research Center "Alexander Fleming", Greece.
- Sep 2000 – Mar 2003 “EMBO” Long-Term Fellowship, Department of Genetics, Erasmus Medical Center, The Netherlands.
- Mar 1996 – Sep 2000 “Fogarty” Fellowship, National Cancer Institute, National Institutes of Health, USA.
- Sep 1990 – Sep 1994 Doctoral Scholarship, Institute of Biology, NCSR “Demokritos”, Greece.

SELECTED PEER-REVIEWED PUBLICATIONS

1. E.P.Rogakou, D.R.Pilch, A.H.Orr, V.S.Ivanova, and W.M.Bonner. (1998). DNA double-strand breaks induce histone H2AX phosphorylation at serine-139. *J. Biol. Chem.* 273, 5858-5868.
2. E.P.Rogakou, C.Boon, C.Redon, W.M.Bonner. (1999) Megabase Chromatin Domains involved in DNA double-strand breaks *in vivo*. *J. Cell Biol.* 146, 905-916.
3. T.T.Paull, E.P.Rogakou, V.Yamazaki, C.U.Kirchgessner, M.Gellert, and W.M.Bonner. (2000) A critical role of histone H2AX in sequential recruitment of repair factors to nuclear foci after DNA damage. *Curr. Biol.* 10, 886-895.
4. H.T. Chen, A. Bhandoola, M.J. Difilippantonio, J. Zhu, M.J. Brown, X. Tai, E.P. Rogakou, T.M. Brotz, W.M. Bonner, T. Ried, A. Nussenzweig. (2000). Response to RAG-mediated V(D)J cleavage by NBS1 and γ -H2AX. *Science* 290, 1962-1965.
5. S.K.Mahadevaian, J.M. Turner, F.Baudat, E.P.Rogakou, P. de Boer, J.Blanco-Rodríguez, M.Jasin, S. Keeney, W.M.Bonner, and P.S.Burgoyne. (2001) Recombinational DNA double-strand breaks in mice precede synapsis. *Nature Genet.* 27, 271-276.
6. C.Redon, D.Pilch, E.Rogakou, O.Sedelnikova, K.Newrock, and W.M.Bonner. (2002) Histone H2A Variants H2AX and H2AZ. *Curr. Opin. Gen. Dev.* 12, 162-169.
7. A. Georgoulis, C.E. Vorgias, G.P. Chrousos, E.P. Rogakou* (2017) Genome Instability and γ H2AX. *Int. J. Mol. Sci.* 18 (9), 1979-89.