Personal Information:

- Full Name: Mohammad Bani Ismail
- Nationality: Jordanian
- Sex: Male
- Status: Single
- Date of Birth: 31/03/1982
- Address: Saudi Arabia, alahsa, alhufof
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Current Position:

Assistant Professor

King Faisal University- college of science

Educational Background:

04/2009 - 03/2014 Ph.D in Molecular Biology Graduate School of Science Osaka University (Japan)

09/2006 - 09/2007 MSc. Genetic Manipulation & Molecular Cell Biology School of life sciences University of Sussex (Brighton, UK)

09/2000 - 09/2004 BSc. Biotechnology and Genetic Engineering Faculty of Science Jordan University of Science and Technology (Irbid, Jordan)

Employment History:

04/2014 – 04/2015 Postdoctoral fellow, Institute for protein research Laboratory of Genome and chromosome functions Osaka University (Osaka, Japan)

04/2011 - 04/2015 -Teaching Assistant -Research Assistant Laboratory of Genome and Chromosome Functions Institute for protein research, Osaka University, Japan.

Research Experience:



CV

04/2009 - 04/2015 Laboratory of Genome and chromosome functions, Institute for protein research, Osaka University, Japan

-Studying roles of Histone methyltransferase enzymes Dot1 and Set1 in double strand break formation and Synaptonemal complex formation during meiosis, using *Saccharomyces cerevisiae*.

-Investigating role of Dot1-dependent H3K79 methylation in meiotic checkpoint activation in *dmc1* and *rad50S* mutants.

02/2007 - 09/2007 Genome Damage and Stability Center, University of Sussex, UK

-Investigating the SUMO-like Domains of the Schizosaccharomyces pombe DNA repair protein Rad60.

-Epistasis analysis between *rad60.ct*, *rhp51.d*, and *nse2.SA*, which might be related to the Rad60 in response to DNA damage.

Selected research techniques:

Meiosis time course, FACS, Western Blotting, Meiotic Nuclear Spread, Genomic DNA extraction, PCR, Southern Blotting, Pulse field Gel Electrophoresis, Yeast and Bacterial transformation, Immunostaining of Meiotic Nuclear spreads, Whole cell staining (Immunofurescent staining of microtubules),Tetrad dissection, Replica plating, Media preparation, Site directed mutagenesis, Cloning, Sequencing, Radioisotopes, Cell survivals studies (UV/ gamma irradiation), Spot test analysis, SDS-PAGE, Protein assay incorporating radio labeled tagging, Protein modeling using computational method.

Microscopy skills:

- Olympus BX41 fluorescence microscope
- Axioskop 40 microscope
- Delta vision RT fluorescence microscope

Other skills:

iVision-Mac, Image Gauge and GENETYX-MAC software

Training:

06/2005 - 09/2005 Biochemistry, Microbiology and Haematology Arab Medical Centre, Amman, Jordan

04/2004 - 05/2004 Molecular diagnosis of genetic and viral diseases using PCR techniques Al-Basher Hospital, Amman, Jordan

07/2003 In Vitro Fertilization Jordan University of Science and Technology, Jordan

Professional Membership

- Molecular Biology Society of Japan, Japan
- Genetics Society of Japan, Japan

Meetings and Conferences: selected meetings

- 85th Annual meeting of the Genetics Society of Japan, Yokohama, Japan (09/2013)
- 35th Annual meeting of the Molecular Biology Society of Japan, Fukuoka, Japan (12/2012)
- 8th 3R (Replication, Recombination and Repair) Symposium, Awaji, Japan, (11/2012)
- 34th Annual meeting of the Molecular Biology Society of Japan, Yokohama, Japan (12/2011)
- 7th 3R (Replication, Recombination and Repair) Symposium, Toyama, Japan, (10/2010)

Publications:

- <u>Bani Ismail M</u>, Shinohara M, Shinohara A (2014) Dot1-Dependent Histone H3K79 Methylation Promotes the Formation of Meiotic Double-Strand Breaks in the Absence of Histone H3K4 Methylation in Budding Yeast. PLoS ONE 9(5): e96648. doi:10.1371/journal.pone.0096648
- Zhihui Zhu<u>, Bani Ismail M</u>, Shinohara M and Shinohara A. SCF^{Cdc4} ubiquitin ligase and Pch2 AAA+ ATPase control Synaptonemal Complex formation in yeast (submitted).

Languages:

Arabic (Native) English (Fluent) Japanese (Intermediate)

References:

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