

# **Makhliyo Normatova**

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## **Presentations**

- May, 2015-presented poster at IDBSA-UK Symposium, King's college, London, UK
- November, 2014 –presented poster of PhD research at the Sue Watson Postgraduate presentation prize for PhD students across the School of Medicine, University of Nottingham
- October, 2014-presented poster “ATM/ATR-dependent regulation of new chromatin-associated protein HP1BP3, sustains DNA damage and carcinogenesis” at 19th World Congress on Advances in Oncology Conference and 17th International Symposium on Molecular Medicine, Athens, Greece
- May, 2014-presented poster at IDB-UK scholars scientific symposium, Cambridge University, Cambridge, UK
- March, 2014-presented poster “Identification and characterization of novel FBXW7-associated protein (NFAP7) involved in DNA-damage and carcinogenesis” at Genes and Cancer 30<sup>th</sup> Anniversary Meeting, Robinson College, Cambridge, UK

- June, 2013-presented poster of PhD research at the Faculty Postgraduate Research Forum at the University of Nottingham
- May, 2013-presented poster at IDB-UK scholars scientific symposium, Birmingham University, Birmingham, UK

## Education

### **PhD in Cancer Biology (2016), University of Nottingham**

**Thesis title:** Regulation of Human Heterochromatin Protein1 Binding Protein 3 (HP1BP3, also known as HP1BP74) in response to DNA Damage.

**Supervisors:** Dr Abdolrahman Shams-Nateri and Dr Roya Babaei-Jadidi

**Brief summary:** Genomic DNA of mammalian cells is constantly challenged by genotoxic influence of endogenous and environmental factors. Failure in recovery of DNA damage can lead to development of cancer via accumulation of mutations. My thesis is directed on investigation of HP1BP3 implication in carcinogenesis through DNA damage triggered by UV exposure, chemotherapeutic drugs and Irradiation.

#### **Techniques covered:**

Tissue culture (transfection, colony forming assay, SRB assay), real-time PCR analysis, western blotting analysis, immunoprecipitation, flow cytometry, immunofluorescence, molecular biology techniques, molecular cloning techniques, lentiviral transduction, CRISPR-Cas9 technique.

**MBBS (1996-2001) - Distinction, Tajik State Medical University after Avicenna**

**MSc Oncology (2002-2005) - Distinction, Tajik State Medical University after Avicenna**

## Internships and work experience

**PhD in Cancer Biology, University of Nottingham, Nottingham, 2016**

**2006- 2012 - full time-medical oncologist, Republican Scientific Centre of Oncology, Dushanbe, Tajikistan**

**2010-2011- Head of Radiotherapy department, Republican Scientific Centre of Oncology, Dushanbe, Tajikistan**

**2007-2008 - Training course of Brachytherapy under supervision of Professor Peter Hoskin at Mount Vernon Hospital, London, UK**

## Abstracts and Publications

- FBXW7-mutated colorectal cancer cells exhibit aberrant expression of phosphorylated-p53 at Serine-15. Li N, Lorenzi F, Kalakouti E, **Normatova M**, et al. *Oncotarget* 2015.
- Regulation of Hematopoietic Stem Cells by Level of Heterochromatin-associated Protein: HP1BP3. Mohammed Abuzinadah, Shahad Kattan, **Makhliyo Normatova**, Ningning Li, EL-Sayed E. Ibrahim, Roya Babaei-Jadidi, Amir M. Ghaemmaghani, Dominique Bonnet, Thomas Jenuwein & Abdolrahman S. Nateri. *Nature Immunology* (in submission).
- ATM regulates a HP1BP3-dependent DNA damage response in human skin fibroblasts. **Makhliyo Normatova**, Roya Babaei-Jadidi, Shahad Kattan, Mohammed Abuzinadah, Stewart Martin & Abdolrahman S. Nateri. *Scientific reports* (in submission).

**Referees:**

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