

## **PERSONAL INFORMATION**

Family name, First name: Haracska, Lajos

Researcher unique identifier, ORCID: <https://orcid.org/0000-0003-3608-5897>

Nationality: Hungarian

URL for web site: [http://www.brc.hu/gen\\_mutagenesis\\_and\\_carcinogenesis.php](http://www.brc.hu/gen_mutagenesis_and_carcinogenesis.php)

## **EDUCATION**

2012 D.Sc., Hungarian Academy of Sciences

1997 PhD in Biology, University of Szeged

1991 M.Sc., Molecular Biologist and Biotechnologist, Attila József University of Sciences, Szeged

## **CURRENT POSITION(S)**

2006 – Scientific advisor, Leader of the mutagenesis and carcinogenesis research group  
Institute of Genetics/Biological Research Centre, HAS/Hungary

## **PREVIOUS POSITIONS**

2003-2006 Research group leader

Institute of Genetics/ Biological Research Centre, HAS/Hungary

1998-2003 Postdoctoral fellow

Sealy Center for Molecular Sciences, Galveston, TX, USA

1997-1998 Postdoctoral fellow

The University of Dundee, UK

1991-1997 PhD student

Institute of Biochemistry/ Biological Research Centre, HAS/Hungary

## **FELLOWSHIPS**

2005 The Howard Hughes Medical Institute international fellowship (5-yr-term)

2004 Marie Curie research fellowship, EU FP6 (3-yr-term)

2003 Wellcome Trust International Senior Research Fellowship (5-yr-term)

1998 EMBO fellowship

1997 FEBS fellowship

## **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

2003 – 2018 10 Postdocs/ 8 PhD/ 12 Master Students

University of Szeged/Hungary

## **COMMISSIONS OF TRUST**

2015- ERC LSI grant panel member

2013- Representative of the Hungarian Academy of Sciences/Hungary

2008- Member of the board of OTKA grant agency/Hungary

## **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2015- Member of the Doctoral Council of the Hungarian Academy of Sciences

2015- Vice secretary of the Hungarian Biochemical Society

2012- Member of the Section of Biological Sciences, HAS

2012- Member of the Committee on Genetics, Cellular Biology and Molecular Biology, HAS

2006- Member of the Hungarian Genetical Society

2004- Member of the Hungarian Biochemical Society

## **Awards & decorations**

2017 Szent-Györgyi Talentum Award

2015 Straub Award

2014 Szentágothai János Award

1997 Excellent Young Researcher Award, Hungarian Academy of Sciences

## SCIENTOMETRY

Number of publications 71

Number of D1 and Q1 publications

D1:62 Q1:3 (starting from 1999; this classification did not exist before 1999)

Number of first and last authored publications

First author: 20 Last author:14

Number of D1 and Q1 first and last authored publications

D1(first): 16 Q1(first): - (the others are earlier than 1999)

D1(last):13 Q1(last): 1

Number of citations: 4944 (sum) 4178 (independent)

Hirsch index: 40

Other relevant indicator(s): sum impact factor: 603.966

## LIST OF OTHER KEY PUBLICATIONS

Characterization of human Spartan/C1orf124, an ubiquitin-PCNA interacting regulator of DNA damage tolerance.

Juhász S, Balogh D, Hajdu I, Burkovics P, Villamil MA, Zhuang Z, **Haracska L.**

***Nucleic Acids Res.*** 2012 Nov;40(21):10795-808. doi: 10.1093/nar/gks850.

PMID: 22987070

Coordinated protein and DNA remodeling by human HLTF on stalled replication fork.

Achar YJ, Balogh D, **Haracska L.**

***Proc Natl Acad Sci U S A.*** 2011 Aug 23;108(34):14073-8. doi: 10.1073/pnas.1101951108.

PMID: 21795603

Human HLTF functions as a ubiquitin ligase for proliferating cell nuclear antigen polyubiquitination.

Unk I, Hajdú I, Fátyol K, Hurwitz J, Yoon JH, Prakash L, Prakash S, **Haracska L.**

***Proc Natl Acad Sci U S A.*** 2008 Mar 11;105(10):3768-73. doi: 10.1073/pnas.0800563105.

PMID: 18316726

Yeast Rad5 protein required for postreplication repair has a DNA helicase activity specific for replication fork regression.

Blastyák A, Pintér L, Unk I, Prakash L, Prakash S, **Haracska L.**

***Mol Cell.*** 2007 Oct 12;28(1):167-75.

PMID: 17936713

Human SHPRH is a ubiquitin ligase for Mms2-Ubc13-dependent polyubiquitylation of proliferating cell nuclear antigen.

Unk I, Hajdú I, Fátyol K, Szakál B, Blastyák A, Bermudez V, Hurwitz J, Prakash L, Prakash S, **Haracska L.**

***Proc Natl Acad Sci U S A.*** 2006 Nov 28;103(48):18107-12.

PMID: 17108083

Ubiquitylation of yeast proliferating cell nuclear antigen and its implications for translesion DNA synthesis.

**Haracska L.**, Unk I, Prakash L, Prakash S.

***Proc Natl Acad Sci U S A.*** 2006 Apr 25;103(17):6477-82. Epub 2006 Apr 12.

PMID: 16611731

Interaction with PCNA is essential for yeast DNA polymerase eta function.

**Haracska L**, Kondratick CM, Unk I, Prakash S, Prakash L.  
*Mol Cell*. 2001 Aug;8(2):407-15.  
PMID: 11545742

Roles of yeast DNA polymerases delta and zeta and of Rev1 in the bypass of abasic sites.  
**Haracska L**, Unk I, Johnson RE, Johansson E, Burgers PM, Prakash S, Prakash L.  
*Genes Dev*. 2001 Apr 15;15(8):945-54.  
PMID: 11316789

Eukaryotic polymerases iota and zeta act sequentially to bypass DNA lesions.  
Johnson RE\*, Washington MT\*, **Haracska L**\*, Prakash S, Prakash L. (**\*contributed equally to this work**)  
*Nature*. 2000 Aug 31;406(6799):1015-9.  
PMID: 10984059

Efficient and accurate replication in the presence of 7,8-dihydro-8-oxoguanine by DNA polymerase eta.  
**Haracska L**, Yu SL, Johnson RE, Prakash L, Prakash S.  
*Nat Genet*. 2000 Aug;25(4):458-61.  
PMID: 10932195