Curriculum vitae
Anita Dr. Kozma-Bognárné Dr. Hajdu

PERSONAL DATA:

- **Name:** Anita Dr. Kozma-Bognárné Dr. Hajdu
- **Maiden name :** Anita Hajdu
- **Mother's name:** Éva Bácskai
- **Date of birth:** 20 February 1983
- **Place of birth:** Orosháza
- **Nationality :** Hungarian
- **Address:** Nagyatádi street 20. Kiszombor 6775
- **e-mail**: *kbhajdua@brc.hu* , *anita.hajdu.kb@gmail.com*
- **Phone**: +36-20-490-4908

- **Number of children** : 3 (dob. : 24.11.2012. , 15.10.2019.)

EDUCATION AND POSITIONS:

-Education:

1. 2001 – 2006 : University of Szeged (UoSz) MSc degree, excellent degree (microbiologist)
2. 2006 – 2009 : PhD student at Doctoral School of Biological Sciences UoSz (molecular biology)
3. 2015.12. : PhD degree (summa cum laude)

-Positions:

1. 2006 - 2009 : PhD student, BRC, Institute of Plant Biology, Photo- and Chronobiology Group
2. 2009 - 2015 : Junior Research associate , BRC, Institute of Plant Biology, Photo- and Chronobiology Group
3. 2015 - : Research associate , BRC, Institute of Plant Biology, Photo- and Chronobiology Group
4. 2023 - : Research associate , Department of Medical Genetics
5. 2023 - : Research associate , Department of Genetics

-Foreign Languages:

1. English intermediate, (A+B, oral and written) type exam, First Class Pass
2. Italian basic, (B, written) type exam

FELLOWSHIPS, AWARDS:

2001-2006 Studentship from the Faculty of Sciences and Informatics, UoSz
2018 Competition of Young Researchers, III. place (Microtrade Ltd.)
2018 Course of Young Plant Biologist, II. place (Hungarian Plant Biology Association)
2018 Best Scientific Publication III. place (Qualitas Biologica Foundation)

2018 - member of the Hungarian Plant Biology Association

CONFERENCES AND TRAINING SCHOOLS:

2007 Summer school: EUCLOCK 16. European chronological school, Mátraháza, Magyarország
Construction of circadian network properties in yeast

GRANT APPLICATIONS SUBMITTED

2021 NKFIH PD 138963 2021.9.1-2024.8.31. – principal researcher

Novel molecular mechanisms of flowering time determination by phytochrome photoreceptors

2023 KGYNK Hungarian Academy of Science

SUPERVISION

Diploma and PhD students

1. Graduated:
    1.1. BSc
        1.1.1. Georgina Bangó: Analysis of cell to cell light signaling in *Arabidopsis thaliana* (2018)
        1.1.2. Dóra Vivien Nyári: The limits of the light resetting of the plant circadian clock (2018)
        1.1.3. Anna Júlia Nyakó: Development of a novel bioluminescence-based method to detect protein – protein interactions (2019)

    1.2 MSc
        1.2.1. Dóra Vivien Nyári: Identification and characterization of novel components of the plant circadian clock (2020)
        1.2.2. Anna Júlia Nyakó: Analysis of chromatin association of light induced protein complexes in the nucleus

2. In progress:

2.1. PhD

2.3.1. Dóra Vivien Nyári: Molecular analysis of the circadian clock-related regulatory function of a conserved function regulated by circadian clock of a conservated ubiqutin protease

PUBLICATIONS, POSTERS:

Articles:

1 SOROKINA, O* ; **KAPUS, A*** ; TERECSKEI, K ; DIXON, LE ; KOZMA-BOGNAR, L ; NAGY, F ; MILLAR, AJ
A switchable light-input, light-output system modelled and constructed in yeast
JOURNAL OF BIOLOGICAL ENGINEERING 3 Paper: 15 , 16 p. (2009)
Citing papers: 23 Independent citation count: 20 Self citation count: 3 Number of cited publications: 2
Impact factor: 2,481

2 FEHER, BALAZS ; KOZMA-BOGNAR, LASZLO ; KEVEI, EVA ; **HAJDU, ANITA** ; BINKERT, MELANIE ; DAVIS, SETH JON ; SCHAEFER, EBERHARD ; ULM, ROMAN ; NAGY, FERENC
Functional interaction of the circadian clock and UV RESISTANCE LOCUS 8-controlled UV-B signaling pathways in Arabidopsis thaliana
PLANT JOURNAL 67 : 1 pp. 37-48. , 12 p. (2011)
Citing papers: 69 Independent citation count: 54 Self citation count: 15 Number of cited publications: 11
Impact factor: 6,16

3 **Hajdu, Anita**
A fitokróm B fotoreceptor szerepe a virágzás fotoperiodikus szabályozásában 85 p.
: University of Szeged, Doctoral School of Biological Science, (László Kozma-Bognár Plant photo- and chronobiology) Year of the defence: 2015

4 **HAJDU, A** ; ADAM, E ; SHEERIN, DJ ; DOBOS, O ; BERNULA, P ; HILTBRUNNER, A ; KOZMA-BOGNAR, L ; NAGY, F
High-level expression and phosphorylation of phytochrome B modulates flowering time in Arabidopsis.
PLANT JOURNAL 83 : 5 pp. 794-805. , 12 p. (2015)
DOI PubMed Scopus REAL WoS SZTE Publicatio
Citing papers: 13 Independent citation count: 12 Self citation count: 1 Number of cited publications: 7
Impact factor: 5,468

5 ADAM, E ; **HAJDU, A** ; NAGY, F ; VICZIAN, A
Optogenetics: past, present and future
ACTA BIOLOGICA SZEGEDIENSIS 59 : Suppl 1 pp. 105-119. , 15 p. (2015)
Number of cited publications: 5

6 **HAJDU, ANITA** ; DOBOS, ORSOLYA ; DOMIJAN, MIRELA ; BALINT, BALAZS ; NAGY, ISTVAN ; NAGY, FERENC ; KOZMA-BOGNAR, LASZLO
ELONGATED HYPOCOTYL 5 mediates blue light signalling to the Arabidopsis circadian clock
PLANT JOURNAL 96 : 6 pp. 1242-1254. , 13 p. (2018)
Citing papers: 6 Independent citation count: 4 Self citation count: 2 Number of cited publications: 12
Impact factor: 5,726

7 KOVACS, HAJNALKA*; ALEKSZA, DAVID* ; BABA, ABU IMRAN ; **HAJDU, ANITA** ; KIRALY,ANNA MARIA ; ZSIGMOND, LAURA ; TOTH, SZILVIA Z. ; KOZMA-BOGNAR, LASZLO ;
Light Control of Salt-Induced Proline Accumulation Is Mediated by ELONGATED HYPOCOTYL 5 in Arabidopsis
FRONTIERS IN PLANT SCIENCE 10 Paper: 1584 (2019)
Number of cited publications: 7
Impakt factor: 4,106

8 BERNULA, P, PETTKO-SZANDTNER, A, **HAJDU, ANITA**, KOZMA-BOGNAR, L, JOSSE, E-M, ADAM, E, NAGY, F, VICZIAN, A
SUMOylation of PHYTOCHROME INTERACTING FACTOR 3 promotes photomorphogenesis in Arabidopsis thaliana.
NEW PHYTOLOGIST 229 pp. 2050-2061. , 12 p. (2021)
Impact factor: 8,512

* : joint first author

Book, chapter:

9 KOZMA-BOGNAR, L ; **HAJDU, A** ; NAGY, F
Light-regulated gene expression in yeast.
METHODS IN MOLECULAR BIOLOGY 813 pp. 187-193. , 7 p. (2012)
Citing papers: 3 Independent citation count: 3 Self citation count: 0

Poster

1 Construction of circadian network properties in yeast
[1]Anita Kapus, [1]Kata Terecskei, [2]Andrew Millar, [1]László Kozma-Bognár and [1]Ferenc Nagy
[1]Institute of Plant Biology, Biological Research Center, Szeged, Hungary; [2]Institute of Molecular Plant Sciences, University of Edinburgh, Edinburgh, UK

Number of publications: 9
Non-self citations: 190
Self citations: 25
Cummulative impact factor: 32,453