

## Lista de lucrări ale candidatului KOVACS Levente

a) lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări:

1. Teza de doctorat "A DmUsp5 dezubikvitaláz fiziológiai funkciójának meghatározása Drosophila melanogasterben", **Levente Kovács** (2015) doi: 10.14232/phd.2603
2. **Kovacs L**, Chao-Chu J, Schneider S, Gottardo M, Tzolovsky G, Dzhindzhev NS, Riparbelli MG, Callaini G, Glover DM (2018). Gorab is a Golgi protein required for structure and duplication of Drosophila centrosomes. *Nature genetics*, 50(7). doi: 10.1038/s41588-018-0149-1
3. **Kovács L**, Nagy O, Pál M, Udvardy A, Popescu O, Deák P (2015). Role of the deubiquitylating enzyme DmUsp5 in coupling ubiquitin equilibrium to development and apoptosis in Drosophila melanogaster. *PLoS one*, 10(3), e0120875.
4. **Kovács L**, Nagy Á, Pál, M, Deák P (2020). Usp14 is required for spermatogenesis and ubiquitin stress responses in Drosophila melanogaster. *Journal of cell science*, 133(2). doi: 10.1242/jcs.237511
5. **Kovacs L.**, Fatałska A., Glover DM (2022). Targeting Drosophila Sas6 to mitochondria reveals its high affinity for Gorab. *Biology open*, 11(11), bio059545. doi: 10.1242/bio.059545
6. Panda P, **Kovacs, L**, Dzhindzhev N, Fatałska A, Persico V, Geymonat M, Riparbelli MG, Callaini, G, Glover DM (2020). Tissue specific requirement of Drosophila Rcd4 for centriole duplication and ciliogenesis. *Journal of cell biology*, 219(8). doi: 10.1083/jcb.201912154
7. Páhi ZG, **Kovács L**, Szűcs D, Borsos BN, Deák P, Pankotai T (2022). Usp5, Usp34, and Otu1 deubiquitylases mediate DNA repair in Drosophila melanogaster. *Scientific reports*, 12(1), 5870. doi: 10.1038/s41598-022-09703-x
8. Bhattacharjee A, Ürmösi A, Jipa A, **Kovács L**, Deák P, Szabó Á, Juhász G (2022) Loss of ubiquitinated protein autophagy is compensated by persistent cnc/NFE2L2/Nrf2 antioxidant responses. *Autophagy*. 20:1-12. doi: 10.1080/15548627.2022.2037852.
9. Fatałska A, Stepinac E, Richter M, **Kovacs L**, Pietras Z, Puchinger M, Dong G, Dadlez M, Glover DM (2021). The dimeric Golgi protein Gorab binds to Sas6 as a monomer to mediate centriole duplication. *Elife*.10:e57241. doi: 10.7554/eLife.57241
10. Lattao R, **Kovács L**, Glover DM (2017). The Centrosomes, Basal Bodies, and Cilia of Drosophila melanogaster. *Genetics*. 2017;206(1):33-53. doi: 10.1534/genetics.116.198168

b) teza sau tezele de doctorat:

- teza de doctorat "A DmUsp5 dezubikvitaláz fiziológiai funkciójának meghatározása Drosophila melanogasterben", **Levente Kovács** (2015) doi: 10.14232/phd.2603

d) cărți și capitole în cărți:

- **Kovács L.** and Csermely P (2007). Crowding Stress. In: Fink, G., (Ed.), *Encyclopedia of Stress*, 2nd Edn., Academic Press, Oxford, 1: 669-672.

e) articole/studii, publicate în reviste din fluxul științific internațional principal:

- **Kovacs L.**, Fatałska A., Glover DM (2022). Targeting Drosophila Sas6 to mitochondria reveals its high affinity for Gorab. *Biology open*, 11(11), bio059545. doi: 10.1242/bio.059545

- Páhi ZG, **Kovács L**, Szűcs D, Borsos BN, Deák P, Pankotai T (2022). Usp5, Usp34, and Otu1 deubiquitylases mediate DNA repair in *Drosophila melanogaster*. *Scientific reports*, 12(1), 5870. doi: 10.1038/s41598-022-09703-x
- Bhattacharjee A, Ürmösi A, Jipa A, **Kovács L**, Deák P, Szabó Á, Juhász G (2022) Loss of ubiquitinated protein autophagy is compensated by persistent cnc/NFE2L2/Nrf2 antioxidant responses. *Autophagy*. 20:1-12. doi: 10.1080/15548627.2022.2037852.
- Fatafska A, Stepinac E, Richter M, **Kovacs L**, Pietras Z, Puchinger M, Dong G, Dadlez M, Glover DM (2021). The dimeric Golgi protein Gorab binds to Sas6 as a monomer to mediate centriole duplication. *Elife*.10:e57241. doi: 10.7554/eLife.57241
- Panda P, **Kovacs, L**, Dzhindzhev N, Fatafska A, Persico V, Geymonat M, Riparbelli MG, Callaini, G, Glover DM (2020). Tissue specific requirement of *Drosophila* Rcd4 for centriole duplication and ciliogenesis. *Journal of cell biology*, 219(8). doi: 10.1083/jcb.201912154
- **Kovács L**, Nagy Á, Pál, M, Deák P (2020). Usp14 is required for spermatogenesis and ubiquitin stress responses in *Drosophila melanogaster*. *Journal of cell science*, 133(2). doi: 10.1242/jcs.237511
- Nagy Á, **Kovács L**, Lipinszki Z, Pál M, Deák P (2018). Developmental and tissue specific changes of ubiquitin forms in *Drosophila melanogaster*. *PLoS one*, 13(12). doi: 10.1371/journal.pone.0209080
- **Kovacs L**, Chao-Chu J, Schneider S, Gottardo M, Tzolovsky G, Dzhindzhev NS, Riparbelli MG, Callaini G, Glover DM (2018). Gorab is a Golgi protein required for structure and duplication of *Drosophila* centrioles. *Nature genetics*, 50(7). doi: 10.1038/s41588-018-0149-1
- Lattao R, **Kovács L**, Glover DM (2017). The Centrioles, Centrosomes, Basal Bodies, and Cilia of *Drosophila melanogaster*. *Genetics*. 2017;206(1):33-53. doi: 10.1534/genetics.116.198168
- Rusz O, Pál M, Szilágyi É, Rovó L, Varga Z, Tomisa B, Fábrián G, **Kovács L**, Nagy O, Mózes P, Reisz Z, Tiszlavicz L, Deák P, Kahán Z (2017). The Expression of Checkpoint and DNA Repair Genes in Head and Neck Cancer as Possible Predictive Factors. *Pathology oncology research : POR*, 23(2), 253–264 doi: 10.1007/s12253-016-0088-z
- **Kovács L**, Nagy O, Pál M, Udvardy A, Popescu O, Deák P (2015). Role of the deubiquitylating enzyme DmUsp5 in coupling ubiquitin equilibrium to development and apoptosis in *Drosophila melanogaster*. *PLoS one*, 10(3), e0120875.
- Lipinszki Z, **Kovács L**, Deák P, Udvardy A (2012). Ubiquitylation of *Drosophila* p54/Rpn10/S5a regulates its interaction with the UBA-UBL polyubiquitin receptors. *Biochemistry*, 51(12), 2461–2470.