

1. Gabriel Vasata Furtado, Jing Yang, Di Wu, Christos I Papagiannopoulos, Hanna M Terpstra, E F Elsie Kuiper, Sybille Krauss, Wei-Guo Zhu, Harm H Kampinga, **Steven Bergink**. FOXO1 controls protein synthesis and transcript abundance of mutant polyglutamine proteins, preventing protein aggregation. **Human Molecular Genetics** 2021 Apr 21; ddab095 **Pdf**
2. Anna Ainslie, Wouter Huiting, Lara Barazzuol and **Steven Bergink**. Genome instability and loss of protein homeostasis: converging paths to neurodegeneration?. **Open Biology** 2021 21 April; <https://doi.org/10.1098/rsob.200296> **Pdf**
3. Paula García-Huerta, Paulina Troncoso-Escudero, Di Wu, Arun Thiruvalluvan, Marisol Cisternas-Olmedo, Daniel R Henríquez, Lars Plate, Pedro Chana-Cuevas, Cristian Saquel , Peter Thielen, Kenneth A Longo , Brad J Geddes , Gerardo Z Lederkremer, Neeraj Sharma, Marina Shenkman, Swati Naphade, S Pablo Sardi, Carlos Spichiger, Hans G Richter, Felipe A Court, Kizito Tshitoko Tshilenge, Lisa M Ellerby, R Luke Wiseman, Christian Gonzalez-Billault, **Steven Bergink** , Rene L Vidal, Claudio Hetz . Insulin-like growth factor 2 (IGF2) protects against Huntington's disease through the extracellular disposal of protein aggregates. **Acta Neuropathologica** 2020 Jul 8. doi: 10.1007/s00401-020-02183-1 **Pdf**
4. Despina Serlidaki, Maria A. W. H. van Waarde, Lukas Rohland, Anne S Wentink, Suzanne L Dekker, Maarten J Kamphuis, Jeffrey M Boertien, Jeanette F Brunsting, Nadinath B. Nillegoda, Bernd Bukau, Matthias P Mayer, Harm H. Kampinga and **Steven Bergink**. Functional diversity between HSP70 paralogs caused by variable interactions with specific co-chaperones.. **Journal of Biological Chemistry** 2020 J Biol Chem. 2020;295(21):7301-7316. **Pdf**
5. De Mattos EP, Wentink A, Nussbaum-Krammer C, Hansen C, **Bergink S**, Melki R, Kampinga HH. Protein Quality Control Pathways at the Crossroad of Synucleinopathies.. **Journal of Parkinson's Disease** 2020 Jan 24. doi: 10.3233/JPD-191790 **Pdf**
6. Arun Thiruvalluvan, Eduardo P de Mattos, Jeanette F Brunsting, Rob Bakels, Despina Serlidaki, Lara Barazzuol, Paola Conforti, Azra Fatima, Seda Koyuncu, Elena Cattaneo, David Vilchez, **Steven Bergink**, Erik H W G Boddeke, Sjef Copray, Harm H Kampinga. DNAJB6, a Key Factor in Neuronal Sensitivity to Amyloidogenesis. **Molecular Medicine** 2020 April, 78, ISSUE 2, P346-358.e9. **Pdf**
7. Azkanaz M, Rodríguez López A, de Boer B, Huiting W, Angrand PO, Vellenga E, Kampinga HH, **Bergink S**, Martens JH, Schuringa JJ, van den Boom V.. Protein quality control in the nucleolus safeguards recovery of epigenetic regulators after heat shock. **Elife** 2019 Jun14;8. pii: e45205 **Pdf**
8. Wu D, Vonk JJ, Salles F, Vonk D, Haslbeck M, Melki R, **Bergink S**, Kampinga HH.. The N terminus of the small heat shock protein HSPB7 drives its polyQ aggregation-suppressing activity.. **Journal of Biological Chemistry** 2019 May 16. pii: jbc.RA118.007117. doi: 10.1074/jbc.RA118.007117. [Epub ahead of print] **Pdf**
9. Melanie Meister-Broekema, E. F. Elsie Kuiper, Melania Minoia, Gabriel V. Furtado, Maria A. W. H. van Waarde, S.....Serena Carra, **Steven Bergink**, Jason E. Gestwicki & Harm H. Kampinga. Myopathy associated BAG3 mutations lead to protein aggregation by stalling Hsp70 networks. **Nature Communications** 2018 volume 9, Article number: 5342. **Pdf**
10. Matteo Bason, Melanie Meister-Broekema, Niels Alberts, Pascale Dijkers, **Steven Bergink**, Ody C.M. Sibon, Harm H. Kampinga. Astrocytic expression of the chaperone DNAJB6 results in non-cell autonomous protection in Huntington's disease. **Neurobiology of Disease** 2018 Volume 124, April, 108-117 **Pdf**

11. Suzanne L. Dekker, Harm H. Kampinga and **Steven Bergink**. DNAJs: more than substrate delivery to HSPA. **Frontiers in Molecular Biosciences: The HPS70 molecular chaperone machines** 2017 30 Jun 2015, vol 2, 28-35 [Pdf](#)
12. Kuiper EF, de Mattos EP, Jardim LB, Kampinga HH, **Bergink S**. Chaperones in Polyglutamine Aggregation: Beyond the Q-Stretch.. **Neuroscience** 2017 Mar 23;11:145 [Pdf](#)
13. Kampinga HH, **Bergink S**.. Heat shock proteins as potential targets for protective strategies in neurodegeneration.. **Lancet Neurology** 2016 Jun;15(7):748-59. Review. [Pdf](#)
14. Kakkar V, Månsson C, de Mattos EP, **Bergink S**, van der Zwaag M, van Waarde MA, Kloosterhuis NJ, Melki R, van Cruchten RT, Al-Karadaghi S, Arosio P, Dobson CM, Knowles TP, Bates GP, van Deursen JM, Linse S, van de Sluis B, Emanuelsson C, Kampinga HH.. The S/T-Rich Motif in the DNAJB6 Chaperone Delays Polyglutamine Aggregation and the Onset of Disease in a Mouse Model.. **Molecular Cell** 2016 Apr 12. pii: S1097-2765(16)00227-6. [Pdf](#)
15. Suzanne L. Dekker, Harm H. Kampinga and **Steven Bergink**. DNAJs: more than substrate delivery to HSPA. **Frontiers in Molecular Biosciences** 2015 30 Jun: 2:35. [Pdf](#)
16. **Bergink S**, Theil AF, Toussaint W, De Cuyper IM, Kulu DI, Clapes T, van der Linden R, Demmers JA, Mul EP, van Alphen FP, Marteiijn JA, van Gent T, Maas A, Robin C, Philipsen S, Vermeulen W, Mitchell JR, Gutiérrez L.. Erythropoietic defect associated with reduced cell proliferation in mice lacking the 26S proteasome shuttling factor Rad23b.. **Molecular and Cellular Biology** 2013 Oct;33(19):3879-92. [Pdf](#)
17. **Bergink S**, Ammon T, Kern M, Schermelleh L, Leonhardt H, Jentsch S.. Role of Cdc48/p97 as a SUMO-targeted segregase curbing Rad51-Rad52 interaction.. **Nature Cell Biology** 2013 May;15(5):526-32. . [Pdf](#)
18. **Bergink S**, Toussaint W, Luijsterburg MS, Dinant C, Alekseev S, Hoeijmakers JH, Dantuma NP, Houtsmuller AB, Vermeulen W.. Recognition of DNA damage by XPC coincides with disruption of the XPC-RAD23 complex.. **Journal of Cell Biology** 2012 Mar 19;196(6):681-8. [Pdf](#)
19. **Bergink S**, Jentsch S.. Principles of ubiquitin and SUMO modifications in DNA repair.. **Nature** 2009 Mar 26;458(7237):461-7. [Pdf](#)
20. Hoogstraten D, **Bergink S**, Ng JM, Verbiest VH, Luijsterburg MS, Geverts B, Raams A, Dinant C, Hoeijmakers JH, Vermeulen W, Houtsmuller AB.. Versatile DNA damage detection by the global genome nucleotide excision repair protein XPC.. **Journal of Cell Science** 2008 Sep 1;121(Pt 17):2850-9. Erratum in: *J Cell Sci.* 2008 Dec 1;121(Pt 23):3991. [Pdf](#)
21. Nicassio F, Corrado N, Vissers JH, Areces LB, **Bergink S**, Marteiijn JA, Geverts B, Houtsmuller AB, Vermeulen W, Di Fiore PP, Citterio E.. Human USP3 is a chromatin modifier required for S phase progression and genome stability.. **Current Biology** 2007 Nov 20;17(22):1972-7. [Pdf](#)
22. **Bergink S**, Jaspers NG, Vermeulen W.. Regulation of UV-induced DNA damage response by ubiquitylation.. **DNA Repair** 2007 Sep 1;6(9):1231-42. Review. [Pdf](#)
23. Ng JM, Vermeulen W, van der Horst GT, **Bergink S**, Sugawara K, Vrieling H, Hoeijmakers JH.. A novel regulation mechanism of DNA repair by damage-induced and RAD23-dependent stabilization of xeroderma pigmentosum group C protein.. **Genes & Development** 2006 Jul 1;17(13):1630-45. [Pdf](#)
24. **Bergink S**, Salomons FA, Hoogstraten D, Groothuis TA, de Waard H, Wu J, Yuan L, Citterio E, Houtsmuller AB, Neefjes J, Hoeijmakers JH, Vermeulen W, Dantuma NP.. DNA damage triggers nucleotide excision repair-dependent monoubiquitylation of histone H2A.. **Genes & Development** 2006 May 15;20(10):1343-52. [Pdf](#)

25. **Bergink S**, Severijnen LA, Wijgers N, Sugasawa K, Yousaf H, Kros JM, van Swieten J, Oostra BA, Hoeijmakers JH, Vermeulen W, Willemsen R.. The DNA repair-ubiquitin-associated HR23 proteins are constituents of neuronal inclusions in specific neurodegenerative disorders without hampering DNA repair.. **Neurobiology of Disease** 2006 Sep;23(3):708-16. [Pdf](#)