

Gorter RP, Arreguin AJ, Oost W, de Jonge JC, Kampinga HH, Amor S, Colognato H, Baron W.. Unexpected Remyelination in the Absence of Matrix Metalloproteinase 7.. **Glia** 2025 Mar 10. doi: 10.1002/glia.70005. Online ahead of print.. [Pdf](#)

Korsten G, Osinga M, Pelle RA, Serweta AK, Hoogenberg B, Kampinga HH, Kapitein LC.. Nuclear poly-glutamine aggregates rupture the nuclear envelope and hinder its repair.. **J Cell Biology** 2024 Nov 4;223(11):e202307142. doi: 10.1083/jcb.202307142.. [Pdf](#)

Ryder BD, Ustyantseva E, Boyer DR, Mendoza-Oliva A, Kuska MI, Wydorski PM, Macierzyńska P, Morgan N, Sawaya MR, Diamond MI, Kampinga HH, Joachimiak LA.. DNAJB8 oligomerization is mediated by an aromatic-rich motif that is dispensable for substrate activity.. **Structure** 2024 Jun 6;32(6):662-678.e8. doi: 10.1016/j.str.2024.02.015.. [Pdf](#)

Adupa V, Ustyantseva E, Kampinga HH, Onck PR.. Tertiary structure and conformational dynamics of the anti-amyloidogenic chaperone DNAJB6b at atomistic resolution.. **Nature Communications** 2024 Apr 16;15(1):3285.. [Pdf](#)

Ryder BD, Boyer DR, Ustyantseva E, Mendoza-Oliva A, Kuska MI, Wydorski PM, Sawaya M, Diamond MI, Eisenberg DS, Kampinga HH, Joachimiak LA.. DNAJB8 oligomerization is mediated by an aromatic-rich motif that is dispensable for substrate activity.. **Structure** 2024 Structure (2024), <https://doi.org/10.1016/j.str.2024.02.015>. [Pdf](#)

Jaroslaw Marszalek , Paolo De Los Rios , Douglas Cyr , Matthias P. Mayer , Vasista Adupa , Claes Andréasson , Gregory L. Blatch , Janice E.A. Braun , Jeffrey L. Brodsky , Bernd Bukau , J. Paul Chapple , Charlotte Conz , Sébastien Dementin , Pierre Genevau , Olivier Genest , Pierre Goloubinoff , Jason Gestwicki , Colin M. Hammond , Justin K. Hines , Koji Ishikawa , Lukasz A. Joachimiak , Janine Kirstein , Krzysztof Liberek , Dejana Mokranjac , Nadinath Nillegoda , Carlos H.I. Ramos , Mathieu Rebeaud , David Ron , Sabine Rospert , Chandan Sahi , Reut Shalgi , Bartłomiej Tomiczek , Ryo Ushioda , Elizaveta Ustyantseva , Yihong Ye , Maciej Zylicz , Harm H. Kampinga. J-domain proteins: From molecular mechanisms to diseases. **Cell Stress and Chaperones** 2024 Cell Stress and Chaperones Volume 29, Issue 1, February 2024, Pages 21-33. [Pdf](#)

Mario Mauthe, Harm H Kampinga, Mark S Hipp, Fulvio Reggiori. Digest it all: the lysosomal turnover of cytoplasmic aggregates. **Trends Biochem Sci** 2023 Mar 48(3):216-228. doi: 10.1016/j.tibs.2022.09.012.. [Pdf](#)

S Fan, L Nie, Y Zhang, E Ustyantseva, W Woudstra, H H Kampinga, R Schirhagl. Diamond Quantum Sensing Revealing the Relation between Free Radicals and Huntington's Disease. **ACS Cent Sci** 2023 Jun 21;9(7):1427-1436. doi: 10.1021/acscentsci.3c00513.. [Pdf](#)

Wouter Huiting , Suzanne L Dekker , Joris C J van der Lienden , Rafaella Mergener , Maiara K Musskopf , Gabriel V Furtado , Emma Gerrits , David Coit , Mehrnoosh Oghbaie , Luciano H Di Stefano , Hein Schepers , Maria A W H van Waarde-Verhagen , Suzanne Couzijn , Lara Barazzuol, John LaCava , Harm H Kampinga , Steven Bergink. Targeting DNA topoisomerases or checkpoint kinases results in an overload of chaperone systems, triggering aggregation of a metastable subproteome. **Elife** 2022 Feb 24;11:e70726. doi: 10.7554/eLife.70726. [Pdf](#)

Kuiper EFE, Gallardo P, Bergsma T, Mari M, Kolbe Musskopf M, Kuipers J, Giepmans BNG, Steen A, Kampinga HH, Veenhoff LM, Bergink S. The molecular chaperone DNAJB6 provides surveillance of FG-Nups and is required for interphase nuclear pore complex biogenesis.. **Nature Cell Biology** 2022 10.1038/s41556-022-01010-x.. [Pdf](#)

Mauthe M, Kampinga HH, Hipp MS, Reggiori F. Digest it all: The lysosomal turnover of cytoplasmic aggregates. **Trends in Biochemical Sciences** 2022 Oct 21;S0968-0004(22)00271-7. [Pdf](#)

Vanessa B Leotti, Jeroen J de Vries, Camila M Oliveira, Eduardo P de Mattos, Gerard J Te Meerman, Ewout R Brunt, Harm H Kampinga, Laura B Jardim, Dineke S Verbeek. CAG Repeat Size Influences the Progression Rate of Spinocerebellar Ataxia Type 3. **Annals of Neurology** 2021 Jan;89(1):66-73.. [Pdf](#)

Gabriel Vasata Furtado, Jing Yang, Di Wu, Christos I Papagiannopoulos, Hanna M Terpstra, E F Elsiens 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](#)

McMahon S, et al. Among authors: kampinga hh.. DNAJB chaperones suppress destabilised protein aggregation via a region distinct from that used to inhibit amyloidogenesis.. **J Cell Sci** 2021 PMID: 33674449. [Pdf](#)

Zhang C, et al. Among authors: kampinga hh.. Activation of IRE1, PERK and salt-inducible kinases leads to Sec body formation in Drosophila S2 cells.. **J Cell Sci** 2021 PMID: 34350957. [Pdf](#)

Genzel L, Kampinga HH ... Homberg JR.. How the COVID-19 pandemic highlights the necessity of animal research.. **Current Biology** 2020 Volume 30, Issue 18, 21 September R1014-R1018. [Pdf](#)

Eliana Nachman, Anne S. Wentink, Karine Madiona, Luc Bousset, Taxiarchis Katsinelos, Kieren Allinson, Harm Kampinga, William A. McEwan, Thomas R. Jahn, Ronald Melki, Axel Mogk, Bernd Bukau, and Carmen Nussbaum-Krammer. Disassembly of Tau Fibrils by the human Hsp70 disaggregation machinery generates small seeding-competent species. **Journal of Biological Chemistry** 2020 Jul 10; 295(28): 9676–9690.. [Pdf](#)

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 295(21):7301-7316.. [Pdf](#)

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](#)

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](#)

Harm H. Kampinga, Claes Andreasson, Alessandro Barducci, & Jaroslaw Marszalek.. Function, evolution, and structure of J-domain proteins. **Cell Stress and Chaperones** 2019 Jan;24(1):7-15. [Pdf](#)

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](#)

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](#)

Waarde-Verhagen van MAHW & Kampinga HH. Measurement of Chaperone-Mediated Effects on Polyglutamine Protein Aggregation by the Filter Trap Assay. **Chaperones: Methods and Protocols, Methods in Molecular Biology** 2018 vol. 1709, https://doi.org/10.1007/978-1-4939-7477-1_5, © Springer Science+Business Media LLC 2018 Stuart K. Calderwood and Thomas L. Prince (eds.). [Pdf](#)

Fred W. van Leeuwen and Harm H. Kampinga. Heat Shock Proteins and Protein Quality Control in Alzheimer's Disease. In: **The Molecular and Cellular Basis of Neurodegenerative Diseases** 2018 Chap 10, P269-280.. [Pdf](#)

Ast A, Buntru A, Schindler F, Hasenkopf R, Schulz A, Brusendorf L, Klockmeier K, Grelle G, McMahon B, Niederlechner H, Jansen I, Diez L, Edel J, Boeddrich A, Franklin SA, Baldo B, Schnoegl S, Kunz S, Purfürst B, Gaertner A, Kampinga HH, Morton AJ, Petersén Å, Kirstein J, Bates GP, Wanker EE.. mHTT Seeding Activity: A Marker of Disease Progression and Neurotoxicity in Models of Huntington's Disease.. **Molecular Cell** 2018 Sep 6;71(5):675-688.e6.. [Pdf](#)

Axel Mogk, Bernd Bukau and Harm H. Kampinga. Cellular Handling of Protein Aggregates by Disaggregation Machines. **Molecular Cell** 2018 Jan. 18, 69: 214 -226. [Pdf](#)

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](#)

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](#)

Carra S, Alberti S, Arrigo PA, Benesch JL, Benjamin IJ, Boelens W, Bartelt-Kirbach B, Brundel BJ, Buchner J, Bukau B, Carver JA, Ecroyd H, Emanuelsson C, Finet S, Golenhofen N, Goloubinoff P, Gusev N, Haslbeck M, Hightower LE, Kampinga HH, Klevit RE, Liberek K, Mchaourab HS, McMenimen KA, Poletti A, Quinlan R, Strelkov SV, Toth ME, Vierling E, Tanguay RM.. The growing world of small heat shock proteins: from structure to functions.. **Cell Stress Chaperones** 2017 Jul;22(4):601-611. [Pdf](#)

Suzanne L. Dekker, Harm H. Kampinga and Steven Bergink. DNAJs: more than substrate delivery to HSPA. **Frontiers in Molecular Biosciences: The HSP70 molecular chaperone machines** 2017 30 Jun 2015, vol 2, 28-35. [Pdf](#)

EFE Kuiper, Eduardo P de Mattos¹, Laura B Jardim, Harm H Kampinga, Steven Bergink. Chaperones in Polyglutamine Aggregation: Beyond the Q-Stretch. **Frontiers in Neuroscience** 2017 23 March 2017 | <https://doi.org/10.3389/fnins.2017.00145>. [Pdf](#)

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](#)

Vos MJ, Carra S, Kanon B, Bosveld F, Klauke K, Sibon OC, Kampinga HH.. Specific protein homeostatic functions of small heat-shock proteins increase lifespan.. **Aging Cell** 2016 Apr;15(2):217-26.. [Pdf](#)

Klionsky DJ, .. Kampinga HH, et al.. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).. **Autophagy** 2016 12(1):1-222. No abstract available. Erratum in: Autophagy. 2016;12(2):443.. [Pdf](#)

Eenjes E, Dragich JM, Kampinga HH, Yamamoto A.. Distinguishing aggregate formation and aggregate clearance using cell-based assays.. **Journal of Cell Science** 2016 Mar 15;129(6):1260-70.. [Pdf](#)

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](#)

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. doi: 10.1016/j.. [Pdf](#)

Seidel K, Siswanto S, Fredrich M, Bouzrou M, Brunt ER, van Leeuwen FW, Kampinga HH, Korf HW, Rüb U, den Dunnen WF. Polyglutamine aggregation in Huntington's disease and spinocerebellar ataxia type 3: similar mechanisms in aggregate formation.. **Neuropathology and Applied Neurobiology** 2016 Feb;42(2):153-66.. [Pdf](#)

Kakkar V, Kuiper EF, Pandey A, Braakman I, Kampinga HH.. Versatile members of the DNAJ family show Hsp70 dependent anti-aggregation activity on RING1 mutant parkin C289G.. **Scientific Reports** 2016 Oct 7;6:34830.. [Pdf](#)

Smeets CJ, Jezierska J, Watanabe H, Duarri A, Fokkens MR, Meijer M, Zhou Q, Yakovleva T, Boddeke E, den Dunnen W, van Deursen J, Bakalkin G, Kampinga HH, van de Sluis B, Verbeek DS.. Elevated mutant dynorphin A causes Purkinje cell loss and motor dysfunction in spinocerebellar ataxia type 23.. **Brain** 2015 Sep;138(Pt 9):2537-52.. [Pdf](#)

Duarri A, Lin MC, Fokkens MR, Meijer M, Smeets CJ, Nibbeling EA, Boddeke E, Sinke RJ, Kampinga HH, Papazian DM, Verbeek DS.. Spinocerebellar ataxia type 19/22 mutations alter heterocomplex Kv4.3 channel function and gating in a dominant manner.. **Cellular and Molecular Life Sciences** 2015 Sep;72(17):3387-99.. [Pdf](#)

Dekker SL, Kampinga HH, Bergink S.. DNAJs: more than substrate delivery to HSPA.. **Frontiers in Molecular Biosciences** 2015 Jun 30;2:35. Review.. [Pdf](#)

Snijder PM, Baratashvili M, Grzeschik NA, Leuvenink HG, Kuijpers L, Huitema S, Schaap O, Giepmans BN, Kuipers J, Miljkovic JL, Mitrovic A, Bos EM, Szabó C, Kampinga HH, Dijkers PF, Den Dunnen WF, Filipovic MR, Van Goor H, Sibon OC.. Overexpression of cystathionine γ -lyase suppresses detrimental effects of spinocerebellar ataxia type 3.. **Molecular Medicine** 2015 21:758-768. [Pdf](#)

Kampinga HH.. Molecular biology: It takes two to untangle.. **Nature** 2015 Aug 13;524(7564):169-70. No abstract available.. [Pdf](#)

Meijering RA, Wiersma M, van Marion DM, Zhang D, Hoogstra-Berends F, Dijkhuis AJ, Schmidt M, Wieland T, Kampinga HH, Henning RH, Brundel BJ.. RhoA Activation Sensitizes Cells to Proteotoxic Stimuli by Abrogating the HSF1-Dependent Heat Shock Response.. **PLoS One** 2015 Jul 20;10(7):e0133553.. [Pdf](#)

Hussein RM, Benjamin IJ, Kampinga HH.. Rescue of α B Crystallin (HSPB5) Mutants Associated Protein Aggregation by Co-Expression of HSPB5 Partners.. **PLoS One** 2015 May 11;10(5):e0126761.. [Pdf](#)

Minoia M, Boncoraglio A, Vinet J, Morelli FF, Brunsting JF, Poletti A, Krom S, Reits E, Kampinga HH, Carra S.. BAG3 induces the sequestration of proteasomal clients into cytoplasmic puncta: implications for a proteasome-to-autophagy switch.. **Autophagy** 2014 Sep;10(9):1603-21.. [Pdf](#)

Månsson C, Kakkar V, Monsellier E, Sourigues Y, Härmark J, Kampinga HH, Melki R, Emanuelsson C.. DNAJB6 is a peptide-binding chaperone which can suppress amyloid fibrillation of polyglutamine peptides at substoichiometric molar ratios.. **Cell Stress and Chaperones** 2014 Mar;19(2):227-39.. [Pdf](#)

van Ham TJ, Brady CA, Kalicharan RD, Oosterhof N, Kuipers J, Veenstra-Algra A, Sjollem KA, Peterson RT, Kampinga HH, Giepmans BN.. Intravital correlated microscopy reveals differential macrophage and microglial dynamics during resolution of neuroinflammation.. **Disease models & mechanisms** 2014 Jul;7(7):857-69.. [Pdf](#)

Kakkar V, Meister-Broekema M, Minoia M, Carra S, Kampinga HH.. Barcoding heat shock proteins to human diseases: looking beyond the heat shock response.. **Disease models & mechanisms** 2014 Apr;7(4):421-34. Review.. [Pdf](#)

Månsson C, Arosio P, Hussein R, Kampinga HH, Hashem RM, Boelens WC, Dobson CM, Knowles TP, Linse S, Emanuelsson C.. Interaction of the molecular chaperone DNAJB6 with growing amyloid-beta 42 (A β 42) aggregates leads to sub-stoichiometric inhibition of amyloid formation.. **Journal of Biological Chemistry** 2014 Nov 7;289(45):31066-76.. [Pdf](#)

Jezierska J, Goedhart J, Kampinga HH, Reits EA, Verbeek DS.. SCA14 mutation V138E leads to partly unfolded PKC γ associated with an exposed C-terminus, altered kinetics, phosphorylation and enhanced insolubilization.. **Journal of Neurochemistry** 2014 Mar;128(5):741-51.. [Pdf](#)

Minoia M, Grit C, Kampinga HH.. HSPA1A-independent suppression of PARK2 C289G protein aggregation by human small heat shock proteins.. **Molecular and Cellular Biology** 2014 Oct 1;34(19):3570-8.. [Pdf](#)

Kampinga HH.. Chaperoned by prebiotic inorganic polyphosphate molecules: an ancient transcription-independent mechanism to restore protein homeostasis.. **Molecular Cell** 2014 Mar 6;53(5):685-7.. [Pdf](#)

Vonk WI, Kakkar V, Bartuzi P, Jaarsma D, Berger R, Hofker MH, Klomp LW, Wijmenga C, Kampinga HH, van de Sluis B.. The Copper Metabolism MURR1 domain protein 1 (COMMD1) modulates the aggregation of misfolded protein species in a client-specific manner.. **PLoS One** 2014 Apr 1;9(4):e92408.. [Pdf](#)

Kampinga HH.. Cell biology. A cell death avenue evolved from a life-saving path.. **Science** 2014 Jun 20;344(6190):1341-2. No abstract available.. [Pdf](#)

Crul T, Toth N, Piotto S, Literati-Nagy P, Tory K, Haldimann P, Kalmar B, Greensmith L, Torok Z, Balogh G, Gombos I, Campana F, Concilio S, Gallyas F, Nagy G, Berente Z, Gungor B, Peter M, Glatz A, Hunya A, Literati-Nagy Z, Vigh L Jr, Hoogstra-Berends F, Heeres A, Kuipers I, Loen L, Seerden JP, Zhang D, Meijering RA, Henning RH, Brundel BJ, Kampinga HH, Koranyi L, Szilvassy Z, Mandl J, Sumegi B, Febbraio MA, Horvath I, Hooper PL, Vigh L.. Hydroximic acid derivatives: pleiotropic HSP co-inducers restoring homeostasis and robustness.. **Current Pharmaceutical Design** 2013 19(3):309-46. Review.. [Pdf](#)

Yang J, Carra S, Zhu WG, Kampinga HH.. The regulation of the autophagic network and its implications for human disease.. **International journal of biological sciences** 2013 Dec 1;9(10):1121-33. Review.. [Pdf](#)

Gillis J, Schipper-Krom S, Juenemann K, Gruber A, Coolen S, van den Nieuwendijk R, van Veen H, Overkleeft H, Goedhart J, Kampinga HH, Reits EA.. The DNAJB6 and DNAJB8 protein chaperones prevent intracellular aggregation of polyglutamine peptides.. **Journal of Biological Chemistry** 2013 Jun 14;288(24):17225-37.. [Pdf](#)

van Dullemen LF, Bos EM, Schuurs TA, Kampinga HH, Ploeg RJ, van Goor H, Leuvenink HG.. Brain death induces renal expression of heme oxygenase-1 and heat shock protein 70.. **Journal of Translational Medicine** 2013 Jan 29;11:22.. [Pdf](#)

Carra S, Rusmini P, Crippa V, Giorgetti E, Boncoraglio A, Cristofani R, Naujock M, Meister M, Minoia M, Kampinga HH, Poletti A.. Different anti-aggregation and pro-degradative functions of the members of the mammalian sHSP family in neurological disorders.. **Philosophical transactions of the Royal Society of London. Series B, Biological sciences** 2013 Mar 25;368(1617):20110409. Review.. [Pdf](#)

Duarri A, Jezierska J, Fokkens M, Meijer M, Schelhaas HJ, den Dunnen WF, van Dijk F, Verschuuren-Bemelmans C, Hageman G, van de Vlies P, Küsters B, van de Warrenburg BP, Kremer B, Wijmenga C, Sinke RJ, Swertz MA, Kampinga HH, Boddeke E, Verbeek DS.. Mutations in potassium channel *kcnd3* cause spinocerebellar ataxia type 19.. **Annals of Neurology** 2012 Dec;72(6):870-80.. [Pdf](#)

Klionsky DJ, .. Kampinga HH, et al.. Guidelines for the use and interpretation of assays for monitoring autophagy.. **Autophagy** 2012 Apr;8(4):445-544.. [Pdf](#)

Nishizawa S, Hirohashi Y, Torigoe T, Takahashi A, Tamura Y, Mori T, Kanaseki T, Kamiguchi K, Asanuma H, Morita R, Sokolovskaya A, Matsuzaki J, Yamada R, Fujii R, Kampinga HH, Kondo T, Hasegawa T, Hara I, Sato N.. HSP DNAJB8 controls tumor-initiating ability in renal cancer stem-like cells.. **Cancer Research** 2012 Jun 1;72(11):2844-54.. [Pdf](#)

Heldens L, van Genesen ST, Hanssen LL, Hageman J, Kampinga HH, Lubsen NH.. Protein refolding in peroxisomes is dependent upon an HSF1-regulated function.. **Cell Stress and Chaperones** 2012 Sep;17(5):603-13.. [Pdf](#)

Kakkar V, Prins LC, Kampinga HH.. DNAJ proteins and protein aggregation diseases.. **Current Topics in Medicinal Chemistry**. 2012 12(22):2479-90. Review.. [Pdf](#)

Garrido C, Paul C, Seigneuric R, Kampinga HH.. The small heat shock proteins family: the long forgotten chaperones.. **International Journal of Biochemistry & Cell Biology** 2012 Oct;44(10):1588-92. Review.. [Pdf](#)

Kampinga HH, Garrido C.. HSPBs: small proteins with big implications in human disease.. **International Journal of Biochemistry & Cell Biology** 2012 Oct;44(10):1706-10. Review.. [Pdf](#)

Seidel K, Meister M, Dugbartey GJ, Zijlstra MP, Vinet J, Brunt ER, van Leeuwen FW, Rüb U, Kampinga HH, den Dunnen WF.. Cellular protein quality control and the evolution of aggregates in spinocerebellar ataxia type 3 (SCA3).. **Neuropathology and Applied Neurobiology** 2012 Oct;38(6):548-58.. [Pdf](#)

Seidel K, Vinet J, Dunnen WF, Brunt ER, Meister M, Boncoraglio A, Zijlstra MP, Boddeke HW, Rüb U, Kampinga HH, Carra S.. The HSPB8-BAG3 chaperone complex is upregulated in astrocytes in the human brain affected by protein aggregation diseases.. **Neuropathology and Applied Neurobiology** 2012 Feb;38(1):39-53.. [Pdf](#)

Ke L, Meijering RA, Hoogstra-Berends F, Mackovicova K, Vos MJ, Van Gelder IC, Henning RH, Kampinga HH, Brundel BJ.. HSPB1, HSPB6, HSPB7 and HSPB8 protect against RhoA GTPase-induced remodeling in tachypaced atrial myocytes.. **PLoS One** 2012 6(6):e20395.. [Pdf](#)

Niemantsverdriet M, Nagle P, Chiu RK, Langendijk JA, Kampinga HH, Coppes RP.. Δ Np73 enhances promoter activity of TGF- β induced genes.. **PLoS One** 2012 7(12):e50815.. [Pdf](#)

Mannini B, Cascella R, Zampagni M, van Waarde-Verhagen M, Meehan S, Roodveldt C, Campioni S, Boninsegna M, Penco A, Relini A, Kampinga HH, Dobson CM, Wilson MR, Cecchi C, Chiti F.. Molecular mechanisms used by chaperones to reduce the toxicity of aberrant protein oligomers.. **Proceedings of the National Academy of Sciences of the United States of America** . 2012 Proc Natl Acad Sci U S A. 2012. [Pdf](#)

Carra S, Crippa V, Rusmini P, Boncoraglio A, Minoia M, Giorgetti E, Kampinga HH, Poletti A.. Alteration of protein folding and degradation in motor neuron diseases: Implications and protective functions of small heat shock proteins.. **Progress in Neurobiology** 2012 May;97(2):83-100. Review.. [Pdf](#)

Hoogstra-Berends F, Meijering RA, Zhang D, Heeres A, Loen L, Seerden JP, Kuipers I, Kampinga HH, Henning RH, Brundel BJ.. Heat shock protein-inducing compounds as therapeutics to restore

proteostasis in atrial fibrillation.. **Trends in Cardiovascular Medicine** 2012 Apr;22(3):62-8. Review.. [Pdf](#)

Yang J, Zhao Y, Ma K, Jiang FJ, Liao W, Zhang P, Zhou J, Tu B, Wang L, Kampinga HH, Xie Z, Zhu WG.. Deficiency of hepatocystin induces autophagy through an mTOR-dependent pathway.. **Autophagy** 2011 Jul;7(7):748-59.. [Pdf](#)

Vos MJ, Zijlstra MP, Carra S, Sibon OC, Kampinga HH.. Small heat shock proteins, protein degradation and protein aggregation diseases.. **Autophagy** 2011 Jan;7(1):101-3.. [Pdf](#)

Hageman J, van Waarde MA, Zylicz A, Walerych D, Kampinga HH.. The diverse members of the mammalian HSP70 machine show distinct chaperone-like activities.. **Biochemical Journal** 2011 Apr 1;435(1):127-42.. [Pdf](#)

De Maio A, Tanguay RM, Kampinga H, Lee E, Kim CD, Hightower L.. Stress at the Korean Mountains: meeting report of the 8th International Workshop on the Molecular Biology of Stress Responses.. **Cell Stress and Chaperones** 2011 Mar;16(2):113-8.. [Pdf](#)

Zhang D, Ke L, Mackovicova K, Van Der Want JJ, Sibon OC, Tanguay RM, Morrow G, Henning RH, Kampinga HH, Brundel BJ.. Effects of different small HSPB members on contractile dysfunction and structural changes in a Drosophila melanogaster model for Atrial Fibrillation.. **Journal of Molecular and Cellular Cardiology** 2011 Sep;51(3):381-9.. [Pdf](#)

Hishiya A, Salman MN, Carra S, Kampinga HH, Takayama S.. BAG3 directly interacts with mutated alphaB-crystallin to suppress its aggregation and toxicity.. **PLoS One** 2011 Mar 15;6(3):e16828.. [Pdf](#)

Seidel K, den Dunnen WF, Schultz C, Paulson H, Frank S, de Vos RA, Brunt ER, Deller T, Kampinga HH, Rüb U.. Axonal inclusions in spinocerebellar ataxia type 3.. **Acta Neuropathology** 2010 Oct;120(4):449-60. doi: 10.1007/s00401-010-0717-7.. [Pdf](#)

Zijlstra MP, Rujano MA, Van Waarde MA, Vis E, Brunt ER, Kampinga HH.. Levels of DNAJB family members (HSP40) correlate with disease onset in patients with spinocerebellar ataxia type 3.. **European Journal of Neuroscience** 2010 Sep;32(5):760-70.. [Pdf](#)

Vos MJ, Zijlstra MP, Kanon B, van Waarde-Verhagen MA, Brunt ER, Oosterveld-Hut HM, Carra S, Sibon OC, Kampinga HH.. HSPB7 is the most potent polyQ aggregation suppressor within the HSPB family of molecular chaperones.. **Human Molecular Genetics** 2010 Dec 1;19(23):4677-93.. [Pdf](#)

Carra S, Boncoraglio A, Kanon B, Brunsting JF, Minoia M, Rana A, Vos MJ, Seidel K, Sibon OC, Kampinga HH.. Identification of the Drosophila ortholog of HSPB8: implication of HSPB8 loss of function in protein folding diseases.. **Journal of Biological Chemistry** 2010 Nov 26;285(48):37811-22.. [Pdf](#)

Hageman J, Rujano MA, van Waarde MA, Kakkar V, Dirks RP, Govorukhina N, Oosterveld-Hut HM, Lubsen NH, Kampinga HH.. A DNAJB chaperone subfamily with HDAC-dependent activities suppresses toxic protein aggregation.. **Molecular Cell** 2010 Feb 12;37(3):355-69.. [Pdf](#)

Kampinga HH, Craig EA.. The HSP70 chaperone machinery: J proteins as drivers of functional specificity.. **Nature Reviews Molecular Cell Biology** 2010 Aug;11(8):579-92. Review. Erratum in: Nat Rev Mol Cell Biol. 2010 Oct;11(10):750.. [Pdf](#)

Niemantsverdriet M, de Jong E, Langendijk JA, Kampinga HH, Coppes RP.. Synergistic induction of profibrotic PAI-1 by TGF- β and radiation depends on p53.. **Radiotherapy and Oncology** 2010 Oct;97(1):33-5.. [Pdf](#)

Vos MJ, Kanon B, Kampinga HH.. HSPB7 is a SC35 speckle resident small heat shock protein.. **Biochimica et Biophysica Acta (BBA)** 2009 Aug;1793(8):1343-53. Erratum in: Biochim Biophys Acta. 2009 Dec;1793(12):1929-30.. [Pdf](#)

Hageman J, Kampinga HH.. Computational analysis of the human HSPH/HSPA/DNAJ family and cloning of a human HSPH/HSPA/DNAJ expression library.. **Cell Stress and Chaperones** 2009 Jan;14(1):1-21.. [Pdf](#)

Kampinga HH, Hageman J, Vos MJ, Kubota H, Tanguay RM, Bruford EA, Cheetham ME, Chen B, Hightower LE.. Guidelines for the nomenclature of the human heat shock proteins.. **Cell Stress and Chaperones** 2009 Jan;14(1):105-11.. [Pdf](#)

Carra S, Brunsting JF, Lambert H, Landry J, Kampinga HH.. HspB8 participates in protein quality control by a non-chaperone-like mechanism that requires eIF2 α phosphorylation.. **Journal of Biological Chemistry** 2009 Feb 27;284(9):5523-32.. [Pdf](#)

Yi X, de Vries HI, Siudeja K, Rana A, Lemstra W, Brunsting JF, Kok RM, Smulders YM, Schaefer M, Dijk F, Shang Y, Eggen BJ, Kampinga HH, Sibon OC.. Stw1 modifies chromatin compaction and is required to maintain DNA integrity in the presence of perturbed DNA replication.. **Molecular Biology of the Cell** 2009 Feb;20(3):983-94.. [Pdf](#)

Burlage FR, Faber H, Kampinga HH, Langendijk JA, Vissink A, Coppes RP.. Enhanced proliferation of acinar and progenitor cells by prophylactic pilocarpine treatment underlies the observed amelioration of radiation injury to parotid glands.. **Radiotherapy and Oncology** 2009 Feb;90(2):253-6.. [Pdf](#)

Vos MJ, Kampinga HH.. A PCR amplification strategy for unrestricted generation of chimeric genes.. **Analytical Biochemistry** 2008 Sep 15;380(2):338-40.. [Pdf](#)

Vos MJ, Hageman J, Carra S, Kampinga HH.. Structural and functional diversities between members of the human HSPB, HSPH, HSPA, and DNAJ chaperone families.. **Biochemistry** 2008 Jul 8;47(27):7001-11.Review.. [Pdf](#)

Bosveld F, Rana A, Lemstra W, Kampinga HH, Sibon OC.. Drosophila phosphopantothienoylcysteine synthetase is required for tissue morphogenesis during oogenesis.. **BMC Research Notes** 2008 Aug 29;1:75.. [Pdf](#)

Brundel BJ, Ke L, Dijkhuis AJ, Qi X, Shiroshita-Takeshita A, Nattel S, Henning RH, Kampinga HH.. Heat shock proteins as molecular targets for intervention in atrial fibrillation.. **Cardiovascular Research** 2008 Jun 1;78(3):422-8. Review.. [Pdf](#)

Lombaert IM, Brunsting JF, Wierenga PK, Kampinga HH, de Haan G, Coppes RP.. Cytokine treatment improves parenchymal and vascular damage of salivary glands after irradiation.. **Clinical Cancer Research** 2008 Dec 1;14(23):7741-50.. [Pdf](#)

Yi X, Lemstra W, Vos MJ, Shang Y, Kampinga HH, Su TT, Sibon OC.. A long-term flow cytometry assay to analyze the role of specific genes of *Drosophila melanogaster* S2 cells in surviving genotoxic stress.. **Cytometry part A** 2008 Jul;73(7):637-42.. [Pdf](#)

Bosveld F, Rana A, van der Wouden PE, Lemstra W, Ritsema M, Kampinga HH, Sibon OC.. De novo CoA biosynthesis is required to maintain DNA integrity during development of the *Drosophila* nervous system.. **Human Molecular Genetics** 2008 Jul 1;17(13):2058-69.. [Pdf](#)

Sugahara T, van der Zee J, Kampinga HH, Vujaskovic Z, Kondo M, Ohnishi T, Li G, Park HJ, Leeper DB, Ostapenko V, Repasky EA, Watanabe M, Song CW.. Kadota Fund International Forum 2004. Application of thermal stress for the improvement of health, 15-18 June 2004, Awaji Yumebutai International Conference Center, Awaji Island, Hyogo, Japan. Final report.. **International Journal of Hyperthermia**. 2008 Mar;24(2):123-40. No abstract available.. [Pdf](#)

Burlage FR, Roesink JM, Kampinga HH, Coppes RP, Terhaard C, Langendijk JA, van Luijk P, Stokman MA, Vissink A.. Protection of salivary function by concomitant pilocarpine during radiotherapy: a double-blind, randomized, placebo-controlled study.. **International Journal of Radiation Oncology*Biophysics** 2008 Jan 1;70(1):14-22.. [Pdf](#)

Ke L, Qi XY, Dijkhuis AJ, Chartier D, Nattel S, Henning RH, Kampinga HH, Brundel BJ.. Calpain mediates cardiac troponin degradation and contractile dysfunction in atrial fibrillation.. **Journal of Molecular and Cellular Cardiology** 2008 Nov;45(5):685-93.. [Pdf](#)

Lombaert IM, Brunsting JF, Wierenga PK, Faber H, Stokman MA, Kok T, Visser WH, Kampinga HH, de Haan G, Coppes RP.. Rescue of salivary gland function after stem cell transplantation in irradiated glands.. **PLoS One** 2008 Apr 30;3(4):e2063.. [Pdf](#)

Burlage FR, Roesink JM, Faber H, Vissink A, Langendijk JA, Kampinga HH, Coppes RP.. Optimum dose range for the amelioration of long term radiation-induced hyposalivation using prophylactic pilocarpine treatment.. **Radiotherapy and Oncology** 2008 Mar;86(3):347-53.. [Pdf](#)

Lombaert IM, Brunsting JF, Wierenga PK, Kampinga HH, de Haan G, Coppes RP.. Keratinocyte growth factor prevents radiation damage to salivary glands by expansion of the stem/progenitor pool.. **Stem Cells** 2008 Oct;26(10):2595-601.. [Pdf](#)

Bryantsev AL, Kurchashova SY, Golyshev SA, Polyakov VY, Wunderink HF, Kanon B, Budagova KR, Kabakov AE, Kampinga HH.. Regulation of stress-induced intracellular sorting and chaperone function of Hsp27 (HspB1) in mammalian cells.. **Biochemical Journal** 2007 Nov 1;407(3):407-17.. [Pdf](#)

Setroikromo R, Wierenga PK, van Waarde MA, Brunsting JF, Vellenga E, Kampinga HH.. Heat shock proteins and Bcl-2 expression and function in relation to the differential hyperthermic sensitivity between leukemic and normal hematopoietic cells.. **Cell Stress and Chaperones** 2007 Winter;12(4):320-30.. [Pdf](#)

Kampinga HH, Henning RH, van Gelder IC, Brundel BJ.. Beat shock proteins and atrial fibrillation.. **Cell Stress and Chaperones** 2007 Summer;12(2):97-100. Review.. [Pdf](#)

Rujano MA, Kampinga HH, Salomons FA.. Modulation of polyglutamine inclusion formation by the Hsp70 chaperone machine.. **Experimental Cell Research**. 2007 Oct 1;313(16):3568-78.. [Pdf](#)

van Luijk P, Faber H, Meertens H, Schippers JM, Langendijk JA, Brandenburg S, Kampinga HH, Coppes RP.. The impact of heart irradiation on dose-volume effects in the rat lung.. **International Journal of Radiation Oncology*Biological*Physics** 2007 Oct 1;69(2):552-9.. [Pdf](#)

Novakova-Jiresova A, van Luijk P, van Goor H, Kampinga HH, Coppes RP.. Changes in expression of injury after irradiation of increasing volumes in rat lung.. **International Journal of Radiation Oncology*Biological*Physics** 2007 Apr 1;67(5):1510-8.. [Pdf](#)

Hageman J, Vos MJ, van Waarde MA, Kampinga HH.. Comparison of intra-organellar chaperone capacity for dealing with stress-induced protein unfolding.. **Journal of Biological Chemistry** 2007 Nov 23;282(47):34334-45.. [Pdf](#)

Brundel BJ, Shiroshita-Takeshita A, Qi X, Yeh YH, Chartier D, van Gelder IC, Henning RH, Kampinga HH, Nattel S.. Induction of heat shock response protects the heart against atrial fibrillation.. **Circulation Research** 2006 Dec 8;99(12):1394-402.. [Pdf](#)

Lombaert IM, Wierenga PK, Kok T, Kampinga HH, deHaan G, Coppes RP.. Mobilization of bone marrow stem cells by granulocyte colony-stimulating factor ameliorates radiation-induced damage to salivary glands.. **Clinical Cancer Research** 2006 Mar 15;12(6):1804-12.. [Pdf](#)

Kampinga HH.. Chaperones in preventing protein denaturation in living cells and protecting against cellular stress.. **Handbook of experimental pharmacology** 2006 172:1-42. Review.. [Pdf](#)

Kampinga H.. Chaperones in preventing protein denaturation in living cells and protection against cellular stress.. **Handbook of Experimental Pharmacology: Molecular Chaperones in Health and Disease** 2006 172, 1-42. Starke K, Gaestel M (Eds.). [Pdf](#)

Rujano Maldonado M, Kampinga H.. The Hsp70 chaperone machine as guardian of the proteome: implications for protein misfolding diseases.. **Heat shock proteins and medicine** 2006 59-85. Research Signpost. Multhoff G, Radons J. (Eds.). [Pdf](#)

Kampinga HH.. Cell biological effects of hyperthermia alone or combined with radiation or drugs: a short introduction to newcomers in the field.. **International Journal of Hyperthermia**. 2006 May;22(3):191-6. Review.. [Pdf](#)

van Luijk P, Novakova-Jiresova A, Faber H, Steneker MN, Kampinga HH, Meertens H, Coppes RP.. Relation between radiation-induced whole lung functional loss and regional structural changes in partial irradiated rat lung.. **International Journal of Radiation Oncology*Biological*Physics** 2006 Apr 1;64(5):1495-502.. [Pdf](#)

Brundel BJ, Henning RH, Ke L, van Gelder IC, Crijns HJ, Kampinga HH.. Heat shock protein upregulation protects against pacing-induced myolysis in HL-1 atrial myocytes and in human atrial fibrillation.. **Journal of Molecular and Cellular Cardiology** 2006 Sep;41(3):555-62.. [Pdf](#)

van Waarde-Verhagen MA, Kampinga HH, Linskens MH.. Continuous growth of telomerase-immortalised fibroblasts: how long do cells remain normal?. **Mechanisms of Ageing and Development** 2006 Jan;127(1):85-7.. [Pdf](#)

Rujano MA, Bosveld F, Salomons FA, Dijk F, van Waarde MA, van der Want JJ, de Vos RA, Brunt ER, Sibon OC, Kampinga HH.. Polarised asymmetric inheritance of accumulated protein damage in higher eukaryotes.. **PLOS Biology** 2006 Dec;4(12):e417.. [Pdf](#)

Coppes RP, Meter A, Latumalea SP, Roffel AF, Kampinga HH.. Defects in muscarinic receptor-coupled signal transduction in isolated parotid gland cells after in vivo irradiation: evidence for a non-DNA target of radiation.. **British journal of cancer** 2005 Feb 14;92(3):539-46.. [Pdf](#)

Kampinga HH, Laszlo A.. DNA double strand breaks do not play a role in heat-induced cell killing.. **Cancer Research** 2005 Nov 15;65(22):10632-3. No abstract available.. [Pdf](#)

van Luijk P, Novakova-Jiresova A, Faber H, Schippers JM, Kampinga HH, Meertens H, Coppes RP.. Radiation damage to the heart enhances early radiation-induced lung function loss.. **Cancer Research** 2005 Aug 1;65(15):6509-11.. [Pdf](#)

Novakova-Jiresova A, van Luijk P, van Goor H, Kampinga HH, Coppes RP.. Pulmonary radiation injury: identification of risk factors associated with regional hypersensitivity.. **Cancer Research** 2005 May 1;65(9):3568-76.. [Pdf](#)

Hageman J, Eggen BJ, Rozema T, Damman K, Kampinga HH, Coppes RP.. Radiation and transforming growth factor-beta cooperate in transcriptional activation of the profibrotic plasminogen activator inhibitor-1 gene.. **Clinical Cancer Research** 2005 Aug 15;11(16):5956-64.. [Pdf](#)

Schepers H, Geugien M, van der Toorn M, Bryantsev AL, Kampinga HH, Eggen BJ, Vellenga E.. HSP27 protects AML cells against VP-16-induced apoptosis through modulation of p38 and c-Jun.. **Experimental Hematology** 2005 Jun;33(6):660-70.. [Pdf](#)

De Jaeger K, Seppenwoolde Y, Lebesque JV, Kampinga HH.. In response to Drs. Anscher and Kong.. **International Journal of Radiation Oncology*Biophysics** 2005 Sep 1;63(1):308. No abstract available.. [Pdf](#)

de Vries HI, Uyetake L, Lemstra W, Brunsting JF, Su TT, Kampinga HH, Sibon OC.. Grp/DChk1 is required for G2-M checkpoint activation in Drosophila S2 cells, whereas Dmnk/DChk2 is dispensable.. **Journal of Cell Science** 2005 May 1;118(Pt 9):1833-42.. [Pdf](#)

Wachters FM, Wong LS, Timens W, Kampinga HH, Groen HJ.. ERCC1, hRad51, and BRCA1 protein expression in relation to tumour response and survival of stage III/IV NSCLC patients treated with chemotherapy.. **Lung Cancer** 2005 Nov;50(2):211-9.. [Pdf](#)

Hut HM, Kampinga HH, Sibon OC.. Hsp70 protects mitotic cells against heat-induced centrosome damage and division abnormalities.. **Molecular Biology of the Cell** 2005 Aug;16(8):3776-85.. [Pdf](#)

Hut HM, Rembacz KP, van Waarde MA, Lemstra W, van Cappellen WA, Kampinga HH, Sibon OC.. Dysfunctional BRCA1 is only indirectly linked to multiple centrosomes.. **Oncogene** 2005 Nov 17;24(51):7619-23.. [Pdf](#)

Bos EM, Schuurs TA, Kraan M, Ottens PJ, van den Eijnden MM, Leuvenink HG, Kampinga HH, van Goor H, Ploeg RJ.. Renal expression of heat shock proteins after brain death induction in rats..

Transplantation Proceedings 2005 Jan-Feb;37(1):359-60.. [Pdf](#)

Brundel BJ, Kampinga HH, Henning RH.. Calpain inhibition prevents pacing-induced cellular remodeling in a HL-1 myocyte model for atrial fibrillation.. **Cardiovascular Research** 2004 Jun 1;62(3):521-8.. [Pdf](#)

Kampinga HH, Dynlacht JR, Dikomey E.. Mechanism of radiosensitization by hyperthermia (> or = 43 degrees C) as derived from studies with DNA repair defective mutant cell lines.. **International Journal of Hyperthermia**. 2004 Mar;20(2):131-9. Review.. [Pdf](#)

Kampinga HH, Van Waarde-Verhagen MA, Van Assen-Bolt AJ, Nieuwenhuis B, Rodemann HP, Prowse KR, Linskens MH.. Reconstitution of active telomerase in primary human foreskin fibroblasts: effects on proliferative characteristics and response to ionizing radiation.. **International Journal of Radiation Biology** 2004 May;80(5):377-88.. [Pdf](#)

De Jaeger K, Seppenwoolde Y, Kampinga HH, Boersma LJ, Belderbos JS, Lebesque JV.. Significance of plasma transforming growth factor-beta levels in radiotherapy for non-small-cell lung cancer.. **International Journal of Radiation Oncology*Biology*Physics** 2004 Apr 1;58(5):1378-87.. [Pdf](#)

De Jaeger K, Seppenwoolde Y, Kampinga HH, Boersma LJ, Belderbos JS, Lebesque JV.. Significance of plasma transforming growth factor-beta levels in radiotherapy for non-small-cell lung cancer.. **International Journal of Radiation Oncology*Biology*Physics** 2004 Apr 1;58(5):1378-87.. [Pdf](#)

Wiegman EM, van Gameren MM, Kampinga HH, Szabó BG, Coppes RP.. Post-irradiation dietary vitamin E does not affect the development of radiation-induced lung damage in rats.. **Radiotherapy and Oncology** 2004 Jul;72(1):67-70.. [Pdf](#)

Novakova-Jiresova A, Van Gameren MM, Coppes RP, Kampinga HH, Groen HJ.. Transforming growth factor-beta plasma dynamics and post-irradiation lung injury in lung cancer patients.. **Radiotherapy and Oncology** 2004 May;71(2):183-9.. [Pdf](#)

Rozema T, Hageman J, Kampinga H, Coppes R, Eggen BJL.. Activation of pro-fibrotic genes by radiation and transforming growth factor-beta (TGF-beta).. **Radiotherapy and Oncology** 2004 73, S86 - S86.. [Pdf](#)

Wierenga PK, Setroikromo R, Kamps G, Kampinga HH, Vellenga E.. Differences in heat sensitivity between normal and acute myeloid leukemic stem cells: feasibility of hyperthermic purging of leukemic cells from autologous stem cell grafts.. **Experimental Hematology** 2003 May;31(5):421-7.. [Pdf](#)

Wachters FM, van Putten JW, Maring JG, Zdzienicka MZ, Groen HJ, Kampinga HH.. Selective targeting of homologous DNA recombination repair by gemcitabine.. **International Journal of Radiation Oncology*Biology*Physics** 2003 Oct 1;57(2):553-62.. [Pdf](#)

Kampinga HH, Kanon B, Salomons FA, Kabakov AE, Patterson C.. Overexpression of the cochaperone CHIP enhances Hsp70-dependent folding activity in mammalian cells.. **Molecular and Cellular Biology** 2003 Jul;23(14):4948-58.. [Pdf](#)

Hut HM, Lemstra W, Blaauw EH, Van Cappellen GW, Kampinga HH, Sibon OC.. Centrosomes split in the presence of impaired DNA integrity during mitosis.. **Molecular Biology of the Cell** 2003 May;14(5):1993-2004.. [Pdf](#)

Wiegman EM, Meertens H, Konings AW, Kampinga HH, Coppes RP.. Loco-regional differences in pulmonary function and density after partial rat lung irradiation.. **Radiotherapy and Oncology** 2003 Oct;69(1):11-9.. [Pdf](#)

Kabakov AE, Budagova KR, Latchman DS, Kampinga HH.. Stressful preconditioning and HSP70 overexpression attenuate proteotoxicity of cellular ATP depletion.. **American Journal of Physiology - Cell Physiology** 2002 Aug;283(2):C521-34.. [Pdf](#)

Brundel BJ, Henning RH, Kampinga HH, Van Gelder IC, Crijns HJ.. Molecular mechanisms of remodeling in human atrial fibrillation.. **Cardiovascular Research** 2002 May;54(2):315-24. Review.. [Pdf](#)

Bryantsev AL, Loktionova SA, Ilyinskaya OP, Tararak EM, Kampinga HH, Kabakov AE.. Distribution, phosphorylation, and activities of Hsp25 in heat-stressed H9c2 myoblasts: a functional link to cytoprotection.. **Cell Stress and Chaperones** 2002 Apr;7(2):146-55.. [Pdf](#)

Bailey CK, Andriola IF, Kampinga HH, Merry DE.. Molecular chaperones enhance the degradation of expanded polyglutamine repeat androgen receptor in a cellular model of spinal and bulbar muscular atrophy.. **Human Molecular Genetics** 2002 Mar 1;11(5):515-23.. [Pdf](#)

Nieuwenhuis B, Van Assen-Bolt AJ, Van Waarde-Verhagen MA, Sijmons RH, Van der Hout AH, Bauch T, Streffer C, Kampinga HH.. BRCA1 and BRCA2 heterozygosity and repair of X-ray-induced DNA damage.. **International Journal of Radiation Biology** 2002 Apr;78(4):285-95.. [Pdf](#)

Nieuwenhuis B, Van Assen-Bolt AJ, Van Waarde-Verhagen MA, Sijmons RH, Van der Hout AH, Bauch T, Streffer C, Kampinga HH.. BRCA1 and BRCA2 heterozygosity and repair of X-ray-induced DNA damage.. **International Journal of Radiation Biology** 2002 Apr;78(4):285-95.. [Pdf](#)

Wierenga PK, Setroikromo R, Kamps G, Kampinga HH, Vellenga E.. Peripheral blood stem cells differ from bone marrow stem cells in cell cycle status, repopulating potential, and sensitivity toward hyperthermic purging in mice mobilized with cyclophosphamide and granulocyte colony-stimulating factor.. **Journal of Hematotherapy & Stem Cell Research** 2002 Jun;11(3):523-32.. [Pdf](#)

Tamminga RY, Dolsma WV, Leeuw JA, Kampinga HH.. Chemo- and radiosensitivity testing in a patient with ataxia telangiectasia and Hodgkin disease.. **Pediatric Hematology and Oncology** 2002 Apr-May;19(3):163-71. Review.. [Pdf](#)

Licht R, Kampinga HH, Coppes RP.. Salivary gland-sparing prophylactic pilocarpine treatment has no effect on tumor regrowth after irradiation.. **Radiation Research** 2002 May;157(5):596-8.. [Pdf](#)

Coppes RP, Zeilstra LJ, Kampinga HH, Konings AW.. Early to late sparing of radiation damage to the parotid gland by adrenergic and muscarinic receptor agonists.. **British journal of cancer** 2001 Sep 28;85(7):1055-63.. [Pdf](#)

van Putten JWG, Groen HJM, Smid K, Peters GJ, Kampinga HH.. End-joining deficiency and radiosensitization induced by gemcitabine.. **Cancer Research** 2001 Feb 15;61(4):1585-91.. [Pdf](#)

Kampinga HH, Dikomey E.. Hyperthermic radiosensitization: mode of action and clinical relevance.. **International Journal of Radiation Biology** 2001 Apr;77(4):399-408.. [Pdf](#)

Nollen EA, Kabakov AE, Brunsting JF, Kanon B, Höhfeld J, Kampinga HH.. Modulation of in vivo HSP70 chaperone activity by Hip and Bag-1.. **Journal of Biological Chemistry** 2001 Feb 16;276(7):4677-82.. [Pdf](#)

Nollen EA, Salomons FA, Brunsting JF, van der Want JJ, Sibon OC, Kampinga HH.. Dynamic changes in the localization of thermally unfolded nuclear proteins associated with chaperone-dependent protection.. **Proceedings of the National Academy of Sciences of the United States of America** . 2001 Oct 9;98(21):12038-43.. [Pdf](#)

van Eerde MR, Kampinga HH, Szabo BG, Vujaskovic Z.. Comparison of three rat strains for development of radiation-induced lung injury after hemithoracic irradiation.. **Radiotherapy and Oncology** 2001 Mar;58(3):313-6.. [Pdf](#)

Kampinga HH.. Radiobiology: past, present and future--a Groningen perspective.. **Strahlentherapie und Onkologie** 2001 Oct;177(10):561-3. No abstract available.. [Pdf](#)

Wierenga PK, Setroikromo R, Vellenga E, Kampinga HH.. Purging of acute myeloid leukaemia cells from stem cell grafts by hyperthermia: enhancement of the therapeutic index by the tetrapeptide AcSDKP and the alkyl-lysophospholipid ET-18-OCH(3).. **British Journal of Haematology** 2000 Dec;111(4):1145-52.. [Pdf](#)

Michels AA, Kanon B, Konings AW, Bensaude O, Kampinga HH.. Cycloheximide- and puromycin-induced heat resistance: different effects on cytoplasmic and nuclear luciferases.. **Cell Stress and Chaperones** 2000 Jul;5(3):181-7.. [Pdf](#)

Freeman BC, Michels A, Song J, Kampinga H, Morimoto RI.. Analysis of Molecular Chaperone Activities using in vitro and in vivo approaches.. **Methods in Molecular Biology** 2000 99, 393-419. Totowa, NJ, USA: Humana Press. Keyse JM, Walker JM (Eds.). [Pdf](#)

Freeman BC, Michels A, Song J, Kampinga HH, Morimoto RI.. Analysis of molecular chaperone activities using in vitro and in vivo approaches.. **Methods in Molecular Biology** 2000 99:393-419. Review. No abstract available.. [Pdf](#)

Nollen EA, Brunsting JF, Song J, Kampinga HH, Morimoto RI.. Bag1 functions in vivo as a negative regulator of Hsp70 chaperone activity.. **Molecular and Cellular Biology** 2000 Feb;20(3):1083-8.. [Pdf](#)

Kampinga HH.. Fate of protein damage in mammalian cells: Effects of molecular chaperones.. **Radiation Research Congress proceedings** 2000 2, 857-861. Lawrence: Allen press Inc. Moriaty M, Edington M, Mothersill C, Ward JF, Seymour C, Fry RJM (Eds.). [Pdf](#)

Multhoff G, Mizzen L, Winchester CC, Milner CM, Wenk S, Eissner G, Kampinga HH, Laumbacher B, Johnson J.. Heat shock protein 70 (Hsp70) stimulates proliferation and cytolytic activity of natural killer cells.. **Experimental Hematology** 1999 Nov;27(11):1627-36.. [Pdf](#)

Arts HJ, Hollema H, Lemstra W, Willemse PH, De Vries EG, Kampinga HH, Van der Zee AG.. Heat-shock-protein-27 (hsp27) expression in ovarian carcinoma: relation in response to chemotherapy and prognosis.. **International Journal of Cancer** 1999 Jun 21;84(3):234-8.. [Pdf](#)

Sakkers RJ, Brunsting JF, Filon AR, Kampinga HH, Konings AW, Mullenders LH.. Altered association of transcriptionally active DNA with the nuclear-matrix after heat shock.. **International Journal of Radiation Biology** 1999 Jul;75(7):875-83.. [Pdf](#)

Roesink JM, Konings AW, Terhaard CH, Battermann JJ, Kampinga HH, Coppes RP.. Preservation of the rat parotid gland function after radiation by prophylactic pilocarpine treatment: radiation dose dependency and compensatory mechanisms.. **International Journal of Radiation Oncology*Biophysics** 1999 Sep 1;45(2):483-9.. [Pdf](#)

Michels AA, Kanon B, Bensaude O, Kampinga HH.. Heat shock protein (Hsp) 40 mutants inhibit Hsp70 in mammalian cells.. **Journal of Biological Chemistry** 1999 Dec 17;274(51):36757-63.. [Pdf](#)

Nollen EA, Brunsting JF, Roelofsen H, Weber LA, Kampinga HH.. In vivo chaperone activity of heat shock protein 70 and thermotolerance.. **Molecular and Cellular Biology** 1999 Mar;19(3):2069-79.. [Pdf](#)

Woudstra EC, Konings AW, Jeggo PA, Kampinga HH.. Role of DNA-PK subunits in radiosensitization by hyperthermia.. **Radiation Research** 1999 Aug;152(2):214-8.. [Pdf](#)

Pomp J, Woudstra EC, Kampinga HH.. Pulsed-dose-rate and low-dose-rate brachytherapy: comparison of sparing effects in cells of a radiosensitive and a radioresistant cell line.. **Radiation Research** 1999 Apr;151(4):449-53.. [Pdf](#)

Roti Roti JL, Kampinga HH, Malyapa RS, Wright WD, vanderWaal RP, Xu M.. Nuclear matrix as a target for hyperthermic killing of cancer cells.. **Cell Stress and Chaperones** 1998 Dec;3(4):245-55. Review.. [Pdf](#)

Woudstra EC, Driessen C, Konings AW, Kampinga HH.. DNA damage induction and tumour cell radiosensitivity: PFGE and halo measurements.. **International Journal of Radiation Biology** 1998 May;73(5):495-502.. [Pdf](#)

van Waarde MA, van Assen AJ, Kampinga HH, Konings AW, Vujaskovic Z.. Quantification of transforming growth factor-beta in biological material using cells transfected with a plasminogen activator inhibitor-1 promoter-luciferase construct.. **Analytical Biochemistry** 1997 Apr 5;247(1):45-51.. [Pdf](#)

Hettinga JV, Lemstra W, Meijer C, Dam WA, Uges DR, Konings AW, De Vries EG, Kampinga HH.. Mechanism of hyperthermic potentiation of cisplatin action in cisplatin-sensitive and -resistant tumour cells.. **British journal of cancer** 1997 75(12):1735-43.. [Pdf](#)

van der Zee J, Kroon BB, Nieweg OE, van de Merwe SA, Kampinga HH.. Rationale for different approaches to combined melphalan and hyperthermia in regional isolated perfusion.. **European Journal of Cancer** 1997 Sep;33(10):1546-50. Review.. [Pdf](#)

Hettinga JV, Konings AW, Kampinga HH.. Reduction of cellular cisplatin resistance by hyperthermia--a review.. **International Journal of Hyperthermia**. 1997 Sep-Oct;13(5):439-57. Review.. [Pdf](#)

Kampinga HH, van Rhoon GC, van der Zee J.. Mild hyperthermia disturbs normal brains cells rather than that it helps killing tumours.. **International Journal of Hyperthermia**. 1997 Jan-Feb;13(1):133-9. No abstract available.. [Pdf](#)

Kampinga HH, Hiemstra YS, Konings AW, Dikomey E.. Correlation between slowly repairable double-strand breaks and thermal radiosensitization in the human HeLa S3 cell line.. **International Journal of Radiation Biology** 1997 Sep;72(3):293-301.. [Pdf](#)

Kampinga HH, Konings AW, Evers AJ, Brunsting JF, Misfud N, Anderson RL.. Resistance to heat radiosensitization and protein damage in thermotolerant and thermoresistant cells.. **International Journal of Radiation Biology** 1997 Mar;71(3):315-26.. [Pdf](#)

Michels AA, Kanon B, Konings AW, Ohtsuka K, Bensaude O, Kampinga HH.. Hsp70 and Hsp40 chaperone activities in the cytoplasm and the nucleus of mammalian cells.. **Journal of Biological Chemistry** 1997 Dec 26;272(52):33283-9.. [Pdf](#)

Hettinga JV, Lemstra W, Meijer C, Los G, de Vries EG, Konings AW, Kampinga HH.. Heat-shock protein expression in cisplatin-sensitive and -resistant human tumor cells.. **International Journal of Cancer** 1996 Sep 17;67(6):800-7.. [Pdf](#)

Woudstra EC, Roesink JM, Rosemann M, Brunsting JF, Driessen C, Orta T, Konings AW, Peacock JH, Kampinga HH.. Chromatin structure and cellular radiosensitivity: a comparison of two human tumour cell lines.. **International Journal of Radiation Biology** 1996 Dec;70(6):693-703.. [Pdf](#)

van Waarde MA, van Assen AJ, Konings AW, Kampinga HH.. Feasibility of measuring radiation-induced DNA double strand breaks and their repair by pulsed field gel electrophoresis in freshly isolated cells from the mouse RIF-1 tumor.. **International Journal of Radiation Oncology* Biology* Physics** 1996 Aug 1;36(1):125-34.. [Pdf](#)

Woudstra EC, Brunsting JF, Roesink JM, Konings AW, Kampinga HH.. Radiation induced DNA damage and damage repair in three human tumour cell lines.. **Mutation Research DNA Repair** 1996 Jan 2;362(1):51-9.. [Pdf](#)

Beekman, A. C., Woerdenbag, H. J., Kampinga, H. H., & Konings, A. W. T.. Cytotoxicity of artemisinin, a dimer of dihydroartemisinin, artemisitene and eupatoriopicrin as evaluated by the MTT and clonogenic assay.. **Phytotherapy Research** 1996 10(2), 140-144.. [Pdf](#)

Groen HJ, Sleijfer S, Meijer C, Kampinga HH, Konings AW, De Vries EG, Mulder NH.. Carboplatin- and cisplatin-induced potentiation of moderate-dose radiation cytotoxicity in human lung cancer cell lines.. **British journal of cancer** 1995 Dec;72(6):1406-11.. [Pdf](#)

Kampinga HH.. Hyperthermia, thermotolerance and topoisomerase II inhibitors.. **British journal of cancer** 1995 Aug;72(2):333-8.. [Pdf](#)

Hettinga JV, Lemstra W, Konings AW, Kampinga HH.. Cisplatin sensitivity and thermochemosensitisation in thermotolerant cDDP-sensitive and -resistant cell lines.. **British journal of cancer** 1995 Mar;71(3):498-504.. [Pdf](#)

Sakkers RJ, Filon AR, Brunsting JF, Kampinga HH, Konings AW, Mullenders LH.. Selective inhibition of repair of active genes by hyperthermia is due to inhibition of global and transcription coupled repair pathways.. **Carcinogenesis** 1995 Apr;16(4):743-8.. [Pdf](#)

Michels AA, Nguyen VT, Konings AW, Kampinga HH, Bensaude O.. Thermostability of a nuclear-targeted luciferase expressed in mammalian cells. Destabilizing influence of the intranuclear microenvironment.. **European journal of biochemistry** 1995 Dec 1;234(2):382-9.. [Pdf](#)

Kampinga HH, Brunsting JF, Stege GJ, Burgman PW, Konings AW.. Thermal protein denaturation and protein aggregation in cells made thermotolerant by various chemicals: role of heat shock proteins.. **Experimental Cell Research**. 1995 Aug;219(2):536-46.. [Pdf](#)

Kampinga HH.. Intrinsieke stralingsgevoeligheid: van de kliniek naar de lab-tafel en terug.. **Gamma** 1995 45, 98-103.. [Pdf](#)

Hettinga JV, Lemstra W, De Vries EG, Konings AW, Kampinga HH.. Sensitization to cisplatin action by step-down heating in cDDP-sensitive and -resistant cells.. **International Journal of Cancer** 1995 May 29;61(5):722-6.. [Pdf](#)

Sakkers RJ, Filon AR, Kampinga HH, Konings AW, Mullenders LH.. Repair of UV-induced pyrimidine(6-4)pyrimidone photoproducts is selectively inhibited in transcriptionally active genes after heat treatment of human fibroblasts.. **International Journal of Radiation Biology** 1995 May;67(5):495-9.. [Pdf](#)

Stege GJ, Kampinga HH, Konings AW.. Heat-induced intranuclear protein aggregation and thermal radiosensitization.. **International Journal of Radiation Biology** 1995 Feb;67(2):203-9.. [Pdf](#)

Stege GJ, Brunsting JF, Kampinga HH, Konings AW.. Thermotolerance and nuclear protein aggregation: protection against initial damage or better recovery?. **Journal of Cellular Physiology** 1995 Sep;164(3):579-86.. [Pdf](#)

Kampinga HH. Effects of hyperthermia on chromatin organization: Consequences for DNA repair and radiosensitivity.. **Radiation Research Congress proceedings** 1995 380-383. Wurzburg: 10th ICRR Society (Int Congress Radiation Res). In U. Hagen, D. Harder, H. Jung, & C. Streffer (Eds.). [Pdf](#)

Woudstra EC, Rosemann M, Brunsting JF, Roesink JM, Konings AWT, McMillan TJ, Kampinga HH.. Differences in chromatin structure between two human tumour cell lines: Relation to radiosensitivity.. **Radiation Research Congress proceedings** 1995 412-415. Wurzburg: 10th ICRR Society (Int Congress Radiation Research). Hagen U, Harder D, Jung H, Streffer C (Eds.),. [Pdf](#)

Kampinga HH, Brunsting JF, Stege GJ, Konings AW, Landry J.. Cells overexpressing Hsp27 show accelerated recovery from heat-induced nuclear protein aggregation.. **Biochemical and Biophysical Research Communications** 1994 Nov 15;204(3):1170-7.. [Pdf](#)

Mullenders LHF, Sakkers RJ, Kampinga HH, Konings AWT.. Chromatin structure, hyperthermia and repair of UV-induced photolesions in mammalian cells.. **Chromosomal Alterations: origin and significance** 1994 21-30. Springer. Natarajan AT, Obe G (Eds.). [Pdf](#)

Wierenga PK, Stege GJ, Kampinga HH, Konings AW.. Intracellular free calcium concentrations in cell suspensions during hyperthermia.. **European Journal of Cell Biology** 1994 Feb;63(1):68-76.. [Pdf](#)

Stege GJ, Li L, Kampinga HH, Konings AW, Li GC.. Importance of the ATP-binding domain and nucleolar localization domain of HSP72 in the protection of nuclear proteins against heat-induced aggregation.. **Experimental Cell Research**. 1994 Sep;214(1):279-84.. [Pdf](#)

Hettinga JV, Lemstra W, Meijer C, Mulder NH, Konings AW, de Vries EG, Kampinga HH.. Hyperthermic potentiation of cisplatin toxicity in a human small cell lung carcinoma cell line and a cisplatin resistant subline.. **International Journal of Hyperthermia**. 1994 Nov-Dec;10(6):795-805.. [Pdf](#)

Stege GJ, Li GC, Li L, Kampinga HH, Konings AW.. On the role of hsp72 in heat-induced intranuclear protein aggregation.. **International Journal of Hyperthermia**. 1994 Sep-Oct;10(5):659-74.. [Pdf](#)

Boersma HH, Woerdenbag HJ, Bauer J, Scheithauer W, Kampinga HH, Konings AW.. Interaction between the cytostatic effects of quercetin and 5-fluorouracil in two human colorectal cancer cell lines.. **Phytomedicine** 1994 Dec;1(3):239-44. doi: 10.1016/S0944-7113(11)80071-1.. [Pdf](#)

Woerdenbag HJ, Merfort I, Passreiter CM, Schmidt TJ, Willuhn G, van Uden W, Pras N, Kampinga HH, Konings AW.. Cytotoxicity of flavonoids and sesquiterpene lactones from Arnica species against the GLC4 and the COLO 320 cell lines.. **Planta Medica** 1994 Oct;60(5):434-7.. [Pdf](#)

Konings AW, Hettinga JV, Kampinga HH.. Osteosarcoma in adolescents and young adults: new developments and controversies. Thermal chemosensitization of cDDP-resistant cells.. **Cancer Treatment and Research** 1993 62:93-100. Review. No abstract available.. [Pdf](#)

Konings AW, Hettinga JV, Lemstra W, Humphrey GB, Kampinga HH.. Sensitizing for cis-diamminedichloroplatinum(II) action by hyperthermia in resistant cells.. **International Journal of Hyperthermia**. 1993 Jul-Aug;9(4):553-62.. [Pdf](#)

Burgman PW, Kampinga HH, Konings AW.. Possible role of localized protein denaturation in the mechanism of induction of thermotolerance by heat, sodium-arsenite and ethanol.. **International Journal of Hyperthermia**. 1993 Jan-Feb;9(1):151-62.. [Pdf](#)

Kampinga HH, Muller E, Brunsting JF, Heine L, Konings AW, Issels RD.. Association of HSP72 with the nuclear (TX-100-insoluble) fraction upon heating tolerant and non-tolerant HeLa S3 cells.. **International Journal of Hyperthermia**. 1993 Jan-Feb;9(1):89-98.. [Pdf](#)

Stege GJ, Wierenga PK, Kampinga HH, Konings AW.. Hyperthermia, intracellular free calcium and calcium ionophores.. **International Journal of Radiation Biology** 1993 Oct;64(4):459-68.. [Pdf](#)

Kampinga HH, Kanon B, Konings AW, Stackhouse MA, Bedford JS.. Thermal radiosensitization in heat- and radiation-sensitive mutants of CHO cells.. **International Journal of Radiation Biology** 1993 Aug;64(2):225-30.. [Pdf](#)

Rosemann M, Kanon B, Konings AW, Kampinga HH.. An image analysis technique for detection of radiation-induced DNA fragmentation after CHEF electrophoresis.. **International Journal of Radiation Biology** 1993 Aug;64(2):245-9.. [Pdf](#)

Woerdenbag HJ, Moskal TA, Pras N, Malingré TM, el-Feraly FS, Kampinga HH, Konings AW.. Cytotoxicity of artemisinin-related endoperoxides to Ehrlich ascites tumor cells.. **Journal of Natural Products** 1993 Jun;56(6):849-56.. [Pdf](#)

Kampinga HH.. Thermotolerance in mammalian cells. Protein denaturation and aggregation, and stress proteins.. **Journal of Cell Science** 1993 Jan;104 (Pt 1):11-7.. [Pdf](#)

Stege GJ, Wierenga PK, Konings AW, Kampinga HH.. Synergistic action of calcium-ionophores and hyperthermia is best interpreted as thermal enhancement of calcium toxicity.. **Journal of Cellular Physiology** 1993 Jun;155(3):452-60.. [Pdf](#)

Vanderlinde JCC, Woerdenbag HJ, Malingre TM, Kampinga HH, Konings AWT.. Role of membrane lipid-composition in the cytotoxicity of the sesquiterpene lactone eupatoriopicrin.. **Phytotherapy Research** 1993 7(2), 128-133.. [Pdf](#)

Sakkers RJ, Filon AR, Brunsting JF, Kampinga HH, Mullenders LH, Konings AW.. Heat-shock treatment selectively affects induction and repair of cyclobutane pyrimidine dimers in transcriptionally active genes in ultraviolet-irradiated human fibroblasts.. **Radiation Research** 1993 Sep;135(3):343-50.. [Pdf](#)

Peter B, Wartena M, Kampinga HH, Konings AW.. Role of lipid peroxidation and DNA damage in paraquat toxicity and the interaction of paraquat with ionizing radiation.. **Biochemical Pharmacology** 1992 Feb 18;43(4):705-15.. [Pdf](#)

Kampinga HH, Brunsting JF, Konings AW.. Acquisition of thermotolerance induced by heat and arsenite in HeLa S3 cells: multiple pathways to induce tolerance?. **Journal of Cellular Physiology** 1992 Feb;150(2):406-15.. [Pdf](#)

Woerdenbag HJ, van der Linde JC, Kampinga HH, Malingré TM, Konings AW.. Induction of DNA damage in Ehrlich ascites tumour cells by exposure to eupatoriopicrin.. **Biochemical Pharmacology** 1989 Jul 15;38(14):2279-83.. [Pdf](#)

Kampinga HH, van den Kruk G, Konings AW.. Reduced DNA break formation and cytotoxicity of the topoisomerase II drug 4'-(9'-acridinylamino)methanesulfon-m-anisidide when combined with hyperthermia in human and rodent cell lines.. **Cancer Research** 1989 Apr 1;49(7):1712-7.. [Pdf](#)

Kampinga HH, Wright WD, Konings AW, Roti Roti JL.. Changes in the structure of nucleoids isolated from heat-shocked HeLa cells.. **International Journal of Radiation Biology** 1989 Sep;56(3):369-82.. [Pdf](#)

Kampinga HH, Keij JF, van der Kruk G, Konings AW.. Interaction of hyperthermia and radiation in tolerant and nontolerant HeLa S3 cells: role of DNA polymerase inactivation.. **International Journal of Radiation Biology** 1989 Mar;55(3):423-33.. [Pdf](#)

Kampinga HH, Turkel-Uygur N, Roti Roti JL, Konings AW.. The relationship of increased nuclear protein content induced by hyperthermia to killing of HeLa S3 cells.. **Radiation Research** 1989 Mar;117(3):511-22.. [Pdf](#)

Kampinga HH. Heat-induced alterations in the cell nucleus: relation to hyperthermic cell killing and radiosensitization s.n.. **Thesis** 1989 Thesis. [Pdf](#)

Kampinga HH, Mullenders LH, Konings AW.. Effect of hyperthermia on DNA loop-size in HeLa S3 cells.. **International Journal of Radiation Biology & Related Studies in Physics, Chemistry & Medicine** 1988 Feb;53(2):291-300.. [Pdf](#)

Kampinga HH, Konings AWT.. Interaction of hyperthermia and radiation, role of DNA polymerase inactivation.. **Proceedings of the 5th International Symposium of Hyperthermia Oncology** 1988 II, 130-134. [Pdf](#)

Kampinga HH, Wright WD, Konings AW, Roti Roti JL.. The interaction of heat and radiation affecting the ability of nuclear DNA to undergo supercoiling changes.. **Radiation Research** 1988 Oct;116(1):114-23.. [Pdf](#)

Kampinga HH, Luppens JG, Konings AW.. Heat-induced nuclear protein binding and its relation to thermal cytotoxicity.. **International Journal of Hyperthermia**. 1987 Sep-Oct;3(5):459-65.. [Pdf](#)

Kampinga HH, Konings AW.. Inhibition of repair of X-ray-induced DNA damage by heat: the role of hyperthermic inhibition of DNA polymerase alpha activity.. **Radiation Research** 1987 Oct;112(1):86-98.. [Pdf](#)

Kampinga HH, Jorritsma JB, Burgman P, Konings AW.. Differences in heat-induced cell killing as determined in three mammalian cell lines do not correspond with the extent of heat radiosensitization.. **International Journal of Radiation Biology & Related Studies in Physics, Chemistry & Medicine** 1986 Oct;50(4):675-84.. [Pdf](#)

Jorritsma JB, Burgman P, Kampinga HH, Konings AW.. DNA polymerase activity in heat killing and hyperthermic radiosensitization of mammalian cells as observed after fractionated heat treatments.. **Radiation Research** 1986 Mar;105(3):307-19.. [Pdf](#)

Jorritsma JB, Kampinga HH, Scaf AH, Konings AW.. Strand break repair, DNA polymerase activity and heat radiosensitization in thermotolerant cells.. **International Journal of Hyperthermia**. 1985 Apr-Jun;1(2):131-45.. [Pdf](#)

Kampinga HH, Jorritsma JB, Konings AW.. Heat-induced alterations in DNA polymerase activity of HeLa cells and of isolated nuclei. Relation to cell survival.. **International Journal of Radiation Biology & Related Studies in Physics, Chemistry & Medicine** 1985 Jan;47(1):29-40.. [Pdf](#)