

Gudmundur Georgsson

Curriculum vitae



Gudmundur Georgsson ID 110132-4929

Born in Reykjavík January 11th, 1932.

1952 Graduate of Reykjavík gymnasium.

1960 Cand.med et chir. University of Iceland.

1962 Licence as General Practitioner.

1966 Dr med . (dissertation) University of Bonn.

1967 License as Specialist in Pathology.

Post-graduate training and research leaves

- 1973 Institute of comparative Neurology, University of Bern (one month).
 1978 Course in clinical immunology. University of Edinburgh (one week).
 1979 Stipendiary Deutscher Akademischer Austauschdienst (DAAD) at Departments of Pathology of several Universities in West-Germany (two months).
 1983-1984 Visiting scientist at Laboratory for Experimental Neuropathology, National Institutes of Health, Bethesda, Maryland USA (one year).
 1993-1994 Visiting scientist at Institute for Neuropathology, University of Munich (6 months).
 2001 Visiting scientist at Institute for Neurology University of Vienna (3 months).

Professional career

- 1960-61 Assistant physician at Iceland's Nationalhospital and Reykjavík's Municipal Hospital.
 1961 District physician in Siglufjörður North-Iceland (6 months).
 1962-1963 Assistant physician Department of Pathology, University of Iceland. Chief: Professor Niels Dungal.
 1963-1967 Scientific Assistant at Institute for Pathology University of Bonn. Director: Professor Herwig Hamperl. DAAD-stipendiary first 10 months,. Alexander von Humboldt stipendiary next 20 months. Subsequently engaged as Scientific Assistant.
 1967-1968 Scientific Assistant at Institute for Neuropathology, University Bonn. Director:Professor Günter Kersting.
 1968-1988 Specialist in Pathology at Institute for Experimental Pathology, Keldur, University of Iceland.
 1988 – 1994 Chief Pathologist Institute for Experimental Pathology, Keldur. University of Iceland.
 1994 – 2001 Director Institute for Experimental Pathology, Keldur and professor at the Faculty of Medicine, University of Iceland.

Related occupation

Teaching:

- 1962-1963 Assistant lecturer in Histopathology, Faculty of Medicine, University of Iceland.
- 1963-1967 Assistant lecturer in Macroscopic and Microscopic pathology ; University Bonn.
- 1969-1974 Lectured in Cell Biology and Histology Faculty of medicine, University of Iceland.
- 1971-1979 Lectured in Histology, Faculty of Biology University of Iceland.
- 1977-1987 Assistant professor in Pathology, Faculty of Medicine, University of Iceland.
- 1987-1989 Lectured in Pathology, Faculty of Medicine University of Iceland.
- 1989- 1993 Lectured in Immunopathology Faculty of Medicine, University of Iceland .

Committees: appointed by the Ministry of Education and Culture or Faculty of Medicine.

- 1970- 1993 Member of at least nine committees. Five of them to evaluate the competence of applicants for positions as Professors or assistant professors in pathology at the Faculty of Medicine or Dentistry at University of Iceland. Other on various aspects of the organisation of the Faculty of Medicine or revision on the organisation of teaching at the same faculty.
- 1987-1993 Member of the board of the Icelandic Council for Biology and Medicine.

Other associated positions:

- 1973-1975 Secretary of the Icelandic Society of Pathology.
- 1979-1981 Chairman of the Icelandic Society of Pathology.
- 1984-1989 Secretary of Icelandic Society of Pathology.
- 1977 Elected member of Societas Scientiarum Islandica.
- 1977-1987 Member of “Advisory board: Acta pathologica et microbiologica scandinavica”.
- 1988- 2000 Member of “Board of Scandinavian Consultants: Acta patologica, microbiologica et immunologica scandinavica”.
- 1986- 2005 Member of the board of Scandinavian Society of Neuropathology.
- 1989 Member of the Organisation committee: Eleventh Scandinavian Virus Symposium, Annual Meeting of the Scandinavian Neuropathological Society and Third Northern Lights Neuroscience Symposium: Virus and the brain, Reykjavík 1989.
- 1991 Referee on the application of professor I.McConnell and co-workers for a 5 years grant by The Wellcome Trust, London, for research on lentiviral infections.
- 1998 Chairman of the organising committee of an International Conference on slow infections to commemorate 50th anniversary of the Institute for experimental pathology Keldur University of Iceland.

Participation in EU-projects:

- 1995-2005 Representing Iceland in an EU-project on the neuropathology of CJD (Prionet) chaired by Professor Herbert Budka, Vienna.
- 1997- 2005 Representing Iceland in an EU- project on surveillance of CJD (NEUROCID) chaired by Professor Robert Will Edinburgh.
- 1997-2001 Participation in an EU-project on scrapie of sheep and goats(CT-7021) chaired by Professor Mark Rogers ,Dublin.

- 1997-2005 Representing Iceland in an EU-project on using SIV in rhesus monkeys as an animal model for development of vaccines for HIV-1 infection (DETEC/MUVADEN) chaired by professor Paul Racz Hamburg.
- 1998 -2002 Participant in EU-Cost program 834: "Development of control programmes for small ruminant lentiviruses in Europe" chaired by Michel Pepin .

Publications

Dissertation (Dr.med. thesis): Vergleichende Elektronenmikroskopische Untersuchungen normaler, menschlicher Pankreasinseln und eines hormonell-aktiven Inselzell-Carcinoms mit Hyperinsulinismus. Rheinische- Friedrich-Wilhelms Universität, Bonn 1966

Papers in peer reviewed journals

1. Theodór Skúlason og **Gudmundur Georgsson**. Búa íslenskar konur við járnskort. (On iron deficiency anemia in Icelandic women). Laeknabladid (The Icelandic Medical Journal.)1961, 45:139-144.
2. **G.Georgsson**. Mucocele der appendix und pseudomyxoma peritonei. Langenbecks Arch. Klin.Chir. 1966; 315: 300-309.
3. **G.Georgsson**. Lipomatose der Schilddrüse. Zbl.allg.Path. 1966; 108: 558-560.
4. E.Ruppmann und **G.Georgsson**. Plattenepithelkarzinom des Ductus thyreoglossus. Z.Laryng.Rhinol.Otol. 1966; 45: 135-143.
5. E.,Ruppmann and **G.Georgsson**. Squamous carcinoma of the thyroglossal duct. Germ.Med.Monthly1966; 11:442-447.
6. **G.Georgsson** und W.Wessel. Vergleichende Elektronenmikroskopische Unersuchungen normaler, menschlicher Pankreasinseln und eines hormonell-aktiven Inselzell-Carcinoms mit Hyperinsulinismus.Z.Krebsforsch. 1967; 69: 70-86.
7. **Gudmundur Georgsson** und Wolfgang Wessel. Elektronenmikroskopische und enzymatisch-analytische Untersuchung eines eosinophilen Granuloms. Virchows Arch.path.Anat.1967; 343: 177-188.
8. **G.Georgsson**. Ueber eine besondere Form von Bronchuscarcinom.Z.Krebsforsch.1968; 70: 320-324.
9. **G.Georgsson**, W.Wessel und C.Thomas. Zur Feinstruktur experimenteller Nerventumoren. Z.Krebsforsch. 1969; 72: 12-23.
10. W.Wessel, **G.Georgsson** und I. Segschneider. Elektronenmikroskopische Untersuchungen über Weg und Wirkung hochdosierten Sublimats nach Injektion in die Arteria renalis.Wirchows Arch.Abt.B Zellpath. 1969; 3: 88-116.
11. F.Matakas, J. Cervos-Navarro, **G.Georgsson** y R.v. Waechter. Hiperplasia y neoplasia de las células de Schwann: Estudio ultraestructural. Arch. Fund.Roux-Ocefa 1971; 5: 5-66.
12. **G.Georgsson** and P.A.Palsson. The histopathology of maedi. A slow viral pneumonia of sheep. Vet.Path. 1971; 8: 63-80.
13. Árni Björnsson, Jónas Hallgrímsson, **Gudmundur Georgsson** and Páll A.Pálsson: Paratuberculosis of the hand. (case report). Scand.J.Plast.Reconstr.Surg. 1971; 5: 156-160.

14. **G.Georgsson**, G. Pétursson: Fluorosis of sheep caused by the Hekla eruption in 1970. *Fluoride* 1972; 2: 58-66.
15. **G.Georgsson**. Carcinoma of the Reticulum of sheep. *Vet.Path.* 1973; 10: 530-533.
16. **G.Georgsson** and H.Vigfússon. Carcinoma of the small intestine of sheep in Iceland. A Pathological and Epizootiological Study. *Acta Vet.Scand.* 1973; 14: 392-409.
17. Gudmundur Pétursson, N.Nathanson, **Gudmundur Georgsson**, H.S. Panitch, Páll A. Pálsson: Pathogenesis of visna. I. Sequential virological, serological and pathological studies. *Lab. Invest.* 1976; 35: 402-412.
18. N.Nathanson, H.S. Panitch, Páll A. Pálsson, Gudmundur Pétursson, **Gudmundur Georgsson**: Pathogenesis of visna. II. Effect of immunosuppression upon early central nervous system lesions. *Lab. Invest.* 1976; 35, 444-451,.
19. H.S. Panitch, Gudmundur Pétursson, **Gudmundur Georgsson**, Páll A. Pálsson, N. Nathanson: Pathogenesis of visna. III. Immune response to central nervous system antigens in experimental allergic encephalitis and visna. *Lab. Invest.* 35, 452-460, 1976.
20. **Gudmundur Georgsson**, Páll A. Pálsson, H.S. Panitch, N. Nathanson, Gudmundur Pétursson: The ultrastructure of early visna lesions. *Acta Neuropath. (Berl.)* 1977; 37,127-135.
21. Páll A. Pálsson, **Gudmundur Georgsson**, Gudmundur Pétursson, N. Nathanson: Experimental visna in Icelandic lambs. *Acta Vet. Scand.* 1977 ;18: 122-128.
22. **G. Georgsson**, G. Pétursson, A. Miller, N. Nathanson, Páll A. Pálsson: Experimental visna in foetal Icelandic sheep. *J. Comp. Path.* 1978; 88: 597-605.
23. G. Pétursson, N Nathanson, P.A. Pálsson, J.Martin, **G. Georgsson**: Immunopathogenesis of visna. A slow virus disease of the central nervous system. *Acta Neurol. Scand.* 1978 (Suppl. 67), 57, 205-219,.
24. **G. Georgsson**, J. R. Martin, P. A. Pálsson, N. Nathanson, E. Benediktsdóttir, G.Pétursson: An ultrastructural study of the cerebrospinal fluid in visna. *Acta Neuropath. (Berl.)* 1979; 48: 39-43.
25. Neal.Nathanson, Gudmundur Pétursson, **Gudmundur. Georgsson**, Páll A. Pálsson, John R.Martin, Aaron. Miller: Pathogenesis of visna IV. Spinal fluid studies. *J. Neuropath.Exp. Neurol.*1979; 38, 197-208.
26. N. Nathanson, J.R. Martin, **G. Georgsson**, P. A. Pálsson, R. E. Lutley, G.Pétursson: The effect of post-infection immunization on the severity of experimental visna. *J. Comp. Path.* 1981; 91:185-191.
27. **G. Georgsson**, J. R. Martin, J. Klein, P. A. Pálsson, N. Nathanson, G. Pétursson: Primary demyelination in visna. An ultrastructural study of Icelandic sheep with clinical signs following experimental infection. *Acta Neuropath. (Berlin)* 57, 171-178, 1982.
28. John R. Martin, J. Goudswaard, Páll A. Pálsson, **Gudmundur Georgsson**, Gudmundur Pétursson, John Klein, Neal Nathanson: Cerebrospinal fluid immunoglobulins in sheep with visna, a slow virus infection of the central nervous system. *J. Neuroimmunol.* 1982; 3: 139-148.
29. Roger Lutley, Gudmundur Pétursson, Páll A. Pálsson, **Gudmundur Georgsson**, John Klein, Neal Nathanson: Antigenic drift in visna. Virus variation during long-term infection of Icelandic sheep. *J. Gen. Virol.* 1983; 64: 1433-1440.
30. J. R. Klein, J. Martin, S. Griffing, N. Nathanson, J. Gorham, D. T. Shen, G. Pétursson, **G. Georgsson**, P. A. Pálsson, R. Lutley: Precipitating antibodies in experimental visna and natural progressive pneumonia of sheep. *Res. Vet. Sci.*1985; 38: 129-133.
31. N. Nathanson, **Gudmundur Georgsson**, Páll A. Pálsson, Julie A. Najjar, Roger Lutley, Gudmundur Pétursson: Experimental visna in Icelandic sheep: The prototype lentiviral infection. *Rev. Infect. Dis.*1985;7: 75-82.

32. L. Stowring, A. T. Haase, G. Pétursson, **G. Georgsson**, P. Pálsson, R. Lutley, R. Roos, S. Szuchet: Detection of visna virus antigens and RNA in glial cells in foci of demyelination. *Virology* 1985; 141: 311-318,.
33. **G. Georgsson**, D. J. Houwers, K. Stefánsson, P. A. Pálsson, **G. Pétursson**: Immunohistochemical staining of cells in the brain of a patient with acquired immune deficiency syndrome (AIDS) with an antibody to visna virus. *Acta Neuropath.(Berl.)* 1986; 73:406-408.
34. **G. Georgsson**, N. Nathanson, P. A. Pálsson, **G. Pétursson**: La Visna, prototipo delle infezioni virale lente. *Summa*. 1987; 4: 5-13.
35. **G. Georgsson**, J. R. Martin, G. L. Stoner, H. de F. Webster: Virus spread and initial pathological changes in the nervous system in genital herpes simplex virus type 2 infection in mice. *Acta Neuropathol. (Berl.)* 1987; 72:377-388.
36. **G. Georgsson**, D. J. Houwers, P. A. Pálsson, **G. Pétursson**: Expression of viral antigens in the central nervous system of visna-infected sheep: An immunohistochemical study on experimental visna induced by virus strains of increased neurovirulence. *Acta Neuropathol.* 1989; 77: 299-306.
37. **G. Pétursson**, P. A. Pálsson, **G. Georgsson**: Maedi-visna in sheep. Host-virus interactions and utilization as a model. *Intervirology* 1989; 30 (Suppl. 1), 36-44.
38. **Gudmundur Georgsson**, Valgerdur Andrésdóttir, Páll A. Pálsson, **Gudmundur Pétursson**. Nokkrir sambærilegir þættir í visnu og eyðni. (Some comparable features of Visna and AIDS). *Laeknabladid (Icelandic Medical Journal)* 1990; 76:377-384.
39. **G. Pétursson**, V. Andrésdóttir, Ó. Andrésón, S. Torsteinsdóttir, **G. Georgsson**, P. A. Pálsson: Human and ovine lentiviral infections compared. *Comp. Immunol. Microbiol. Infect. Dis.* 1991; 14: 277-287,.
40. **Gudmundur Georgsson**, Valgerdur Andrésdóttir, Páll A. Pálsson, **Gudmundur Pétursson**. Visna og AIDS – Nogle komparative aspekter. (Visna and Aids – some comparative features). *Nord.Med.* 1991; 106: 112-105.
41. Sigurbjörg Torsteinsdóttir, **Gudmundur Georgsson**, Eygló Gísladóttir, Björg Rafnar, Páll A. Pálsson, **Gudmundur Pétursson**: Pathogenesis of central nervous system lesions in visna: Cell - mediated immunity and lymphocyte subsets in blood, brain and cerebrospinal fluid. *J. Neuroimmunol.* 1992; 41, 149-158.
42. Leifur Thorsteinsson, **Gudmundur Georgsson**, Bjarni Ásgeirsson, María Bjarnadóttir, Ísleifur Ólafsson, Ólafur Jensson, Gunnar Gudmundsson. On the role of monocytes/ macrophages in the pathogenesis of central nervous system lesions in hereditary cystatin C amyloid angiopathy. *J. Neurol. Sci.* 1992; 108: 121-128.
43. Ólafur S. Andrésón, J. E. Elser, G. J. Tobin, J. D. Greenwood, M. A. Gonda, **Gudmundur Georgsson**, Valgerdur Andrésdóttir, Elsa Benediksdóttir, Helga María Carlsdóttir, Einar O. Mantyla, Björg Rafnar, Páll A. Pálsson, J. W. Casey, **Gudmundur Pétursson**: Nucleotide sequence and biological properties of a pathogenic proviral molecular clone of neurovirulent visna virus. *Virology* 1993; 193: 89-105.
44. **G. Georgsson**, E. Gísladóttir, S. Árnadóttir. Quantitative assessment of the astrocytic response in natural scrapie of sheep. *J. Comp. Path.* 1993; 108: 229-240.
45. Valgerdur Andrésdóttir, Xiaoshan Tang, Ólafur S. Andrésón and **Gudmundur Georgsson**. Sequence variation in the envelope gene and the LTR of maedi-visna virus. Slow infections of the Central Nervous System. *Ann. N.Y. Acad. Sci.* 1994; 724: 157-158.
46. S. Torsteinsdóttir, **G. Georgsson**, E. Gísladóttir, B. Rafnar, P. A. Pálsson, **G. Pétursson**. Pathogenesis of central nervous system lesions in visna: Cell-mediated immunity and lymphocyte subsets in blood, brain and cerebrospinal fluid. *Ann. N.Y. Acad. Sci.* 1994; 724:159-161.

47. Ó.S. Andrés­son, J.E.Elsen, **G.Georgsson**, G.J.Tobin, J.D.Greenwood, M.A.Gonda, V.Andrésdóttir, P.A.Pálsson, G.Pétursson. Pathogenic proviral molecular clone of neurovirulent visna virus. *Ann.N.Y.Acad.Sci.* 1994; 724:133-139.
48. S.Skarphéðinsson, R.Jóhannsdóttir, P.Gudmundsson, S.Sigurdarson, **G.Georgsson**. PrP^{Sc} in Icelandic sheep naturally infected with scrapie. *Ann N.Y.Acad.Sci.* 1994; 724: 304-309.
49. G.Agnarsdóttir, S.Torsteinsdóttir, **G.Georgsson**, E.Benediktsdóttir, E.Gunnarsson, P.A.Pálsson, G.Pétursson. The effect of cyclosporin A (CSA) on visna infection in sheep. *Ann.N.Y.Acad.Sci.*1994; 724:162-165.
50. **Gudmundur Georgsson**, Richard J.Kascsak. Cerebral amyloidosis in natural scarpie of Icelandic sheep is of rare occurrence. *Ann.N.Y.Acad.Sci.* 1994; 724: 344-346.
51. **Gudmundur Georgsson**. Neuropathological aspects of lentiviral infections. *Ann.N.Y.Acad.Sci.* 1994; 724: 50-67.
52. Halldor Thormar, **Gudmundur Georgsson**, Páll A.Pálsson, Jan Balzarini, Lieve Naesens, Sigurbjörg Torsteinsdóttir, Eric De Clerq. Inhibitory effect of 9-(2-phosphonylmethoxyethyl) adenine on visna virus infection in lambs: A model for in vivo testing of candidate anti-human immunodeficiency drugs. *Proc.Natl.Acad.Sci. USA* 1995; 92:3283-387.
53. Sveinbjörn Gizurarson, **Gudmundur Georgsson**, Henrik Aggerbeck, Hrund Thorarinsdóttir, Iver Heron. Evaluation of local toxicity after repeated intranasal vaccination of guinea-pigs. *Toxicology* 1996; 107: 61-68.
54. **Gudmundur Georgsson**. Um fár í kúm og mönnum (On TSE's in cattle and humans). *Laeknabladid* (Editorial) 1996; 82:362-365.
55. Sigurbjörg Torsteinsdóttir, Guðrún Agnarsdóttir, Sigríður Matthíasdóttir, Björg Rafnar, Valgerður Andrésdóttir, Ólafur S. Andrés­son, Katherine Staskus, Gudmundur Pétursson, Páll A. Pálsson, **Gudmundur Georgsson**. In vivo and in vitro infection with two different molecular clones of visna virus. *Virology* 1997;229:370-380.
56. Gudmundur Pétursson, Priscilla Turelli, Sigríður Matthíasdóttir, **Gudmundur Georgsson**, Ólafur S. Andrés­son, Sigurbjörg Torsteinsdóttir, Robert Vigne, Valgerður Andrésdóttir, Eggert Gunnarsson, Guðrún Agnarsdóttir, Gilles Quérat. Visna virus dUTPase is dispensable for neuropathogenicity. *J Virol.* 1998; 72:1657-1661,.
57. Andrésdóttir V., Tang X, Agnarsdóttir G., Andrés­son Ó.S., **Georgsson G**, Skraban R., Torsteinsdóttir S., Rafnar B., Benediktsdóttir E., Matthíasdóttir S., Árnadóttir S., Högnadóttir S., Pálsson P.A., Pétursson G. Biological and genetic differences between lung- and brain-derived isolates of maedi-visna virus. *Virus Genes*, 1998;16, 281-293.
58. K.Bergsteinsdóttir, S.Árnadóttir, S.Torsteinsdóttir, G.Agnarsdóttir, V.Andrésdóttir, G.Pétursson, **G.Georgsson**. Constitutive and visna virus induced expression of class I and II major histocompatibility complex antigens in the central nervous system of sheep and their role in the pathogenesis of visna lesions. *Neuropath.Appl.Neurobiol.* 1998; 24:224-232.
59. H. Thormar, **G. Georgsson**, E. Gunnarsson, L. Naesens, S. Torsteinsdóttir, J. Balzarini, E De Clercq. Treatment of visna virus infection in lambs with the acyclic nucleoside phosphonate analogue 9-(2-phosphonylmethoxyethyl)adenine (PMEA). *Anitviral Chem Chemother.* 1998; 9:245-252.
60. B. Rafnar, G.J. Tobin, K. Nagashima, M. A. Gonda, E. Gunnarsson, Ó.S. Andrés­son, **G. Georgsson**, S. Torsteinsdóttir. Immune response to recombinant visna virus Gag and Env precursor proteins synthesised in insect cells. *Virus Res.*1998;53:107-120.

61. Skraban, R., Matthíasdóttir, S., Torsteinsdóttir, S., Agnarsdóttir, G., Gudmundsson, B., **Georgsson, G.**, Meloen, R. H., Andrésón, Ó. S., Staskus, K. A., Thormar, H., and Andrésdóttir, V. Naturally occurring mutations within 39 amino acids in the envelope glycoprotein of maedi-visna virus alter the neutralization phenotype. *J. Virol.* 1999; 73:8064-8072.
62. H.Thormar, G.Bergsson, E.Gunnarsson, **G.Georgsson**, M.Witrouw, Ó.Steingrímsson, E. De Clerq,T.Kristmundsdóttir. Hydrogels containing monocaprin have potent microbicidal activities against sexually transmitted viruses and bacteria in vitro. *Sexually Transm.Infect.* 1999; 75: 181-185.
63. Stefanía Thorgeirsdóttir, Sigurdur Sigurdarson, Hjalti Mar. Thorisson, **Gudmundur Georgsson**, Astridur Palsdottir. PrP gene polymorphism and natural scrapie in Icelandic sheep.*J.Gen. Virol.* 1999; 80: 2517-2534.
64. S. Thorgeirsdottir, **G. Georgsson**, E.Reynisson, S.Sigurdarson, A.Palsdottir. Search for healthy carriers of scrapie: an assessment of subclinical infection of sheep in an Icelandic scrapie flock by three diagnostic methods and correlation with PrP genotypes. *Arch.Virol.* 2002; 147: 709-722.
65. Bjarki Gudmundsson, Stefán Ragnar Jónsson, Oddur Ólafsson, Gudrún Agnarsdóttir, Sigridur Matthíasdóttir, **Gudmundur Georgsson**, Sigurbjorg Torsteinsdóttir, Vilhjálmur Svansson, Helga Bryndís Kristbjornsdóttir, Sigrídur Rut Franzdóttir, Ólafur S. Andrésón, and Valgerdur Andrésdóttir. Simultaneous Mutations in CA and Vif of Maedi-Visna Virus Cause Attenuated Replication in Macrophages and Reduced Infectivity *in vivo*. *J. Virol.* 2005; 79: 15038-15042.
66. G. Pétursson, S. Matthíasdóttir, V. Svansson, V. Andrésdóttir, **G. Georgsson**, A.H. Martin, G. Agnarsdóttir, E. Gísladóttir, S. Árnadóttir, S. Högnadóttir, S.R. Jónsson, Ó.S. Andrésón, S. Torsteinsdóttir. Mucosal vaccination with an attenuated maedi-visna virus clone. *Vaccine* 2005; 23:3223-3228.
67. **Gudmundur Georgsson**, Sigurdur Sigurdarson, Paul Brown. Infectious agent of sheep scrapie may persists in the environment for at least 16years.*J.Gen.Virol.*2006; 87:3737-3740.
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69. Oskarsson, T, Hreggvidsdottir, H.S., Agnarsdóttir, G., Matthíasdottir, S., Ogmundsdóttir, M. H., Jónsson, S.R., **Georgsson, G.**, Ingvarsson, S., Andrésón, Ó.S., Andrésdóttir, V..Duplicated sequence motif in the long terminal repeat of maedi-visna virus extends cell tropism and is associated with neurovirulence. *J.Virol.* 2007;81:4052-7.
70. Pall Hersteinsson, **Gudmundur Georgsson**, Stefán Adalsteinsson, Eggert Gunnarsson. Hypotrichosis in arctic foxes(*alopex lagopus*) in Iceland. *Polar Biol.* 2007; 30:1047-1058.
71. Christiane Stahl-Hennig, Martin Eisenblatter, Monika Franz, Heribert Stoiber, Klara Tenner-Racz, You-Suk Suh, Edith Jasny, Barbara Falkensammer, Mariagrazia Ugucchioni, **Gudmundur Georgsson**, Carlo Baroni, Manfred P. Dierich, Jeffrey D. Lifson, Ralph M.Steinman, Klaus Uberla, Paul Racz, Ralf Ignatius.A single vaccination with attenuated SIVmav239 via the tonsillar route confers partial protection against challenge with SIVmac251 at a distant mucosal site, the rectum. *Frontiers in Bioscience* 2007; 12:2107-2123.
72. **G.Georgsson**, C.Stahl-Hennig, K.Tenner-Racz, K.Uberla, H.Stoiber, M.Ugucchioni, M.Dierich, R.Ignatius, R.M.Steinman, P.Racz. The central nervous system in mucosal vaccination of rhesus macaques with simian immunodeficiency virus Δ nef. *Neuropath. Appl.Neurobiol.*2007; 33: 644-657.

73. **Gudmundur Georgsson**, Jona Adalheidur Adolfsdottir, Astridur Palsdottir, Einar Jörundsson, Sigurdur Sigurdarson, Stefanía Thorgeirsdottir. High incidence of subclinical infection of lymphoid tissues in scrapie-affected sheep flocks. Arch.Virol. 2008; 153: 637-644.
74. **Gudmundur Georgsson**, Elías Ólafsson, Gunnar Gudmundsson. Creutzfeldt-Jakob sjúkdómur og riða í sauðfé. (Creutzfeldt-Jakob disease and scrapie of sheep). Laeknabladid (Icelandic Medical Journal) 2008; 94: 541-548.

Papers not reviewed (several addressed to laymen).

75. **Gudmundur Georgsson**. Kynning rannsóknarverkefna. Visnurannsóknir.(Presentation of research projects: Research on visna). Fréttabréf Félags háskólakennara (Newsletter of the society of university teachers). 1975; 18th issue, 3-5.
76. **Gudmundur Georgsson**, Gudmundur Pétursson, Páll A.Pálsson. Flúoreitrun í búfé. (Fluorine intoxication in farm animals). Freyr 1981; 77: 864-868.
77. **Gudmundur Georgsson**, Gudmundur Pétursson, Páll A.Pálsson. Afmýlandi veirusýkingar og heila og mænusigg. (Demyelinating viral infections and M.S.) Læknaneminn (Journal of medical students) 1985-86; 38-39: 33-48.
78. Gudmundur Pétursson, **Gudmundur Georgsson**, Páll A.Pálsson. Islands forskning: Langsamme virusinfektioner og AIDS(Icelandic research: Slow viral infections and AIDS). Nord.Med.1986;160-165.
79. **Gudmundur Georgsson**. Nóbelsverðlaun í læknisfræði 1986: Rannsóknir á vaxtarþáttum fruma. (Nobelprize in Medicine 1986: Research on growth factors of cells) Heilbrigðismál (J.of Public Health).1986; 4: 31-32.
80. **Gudmundur Georgsson**. Um Visnu og M.S. (On Visna and M.S.). Meginstoð (J.of the Icelandic Society of MS).
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 123. **Stefanía Thorgeirsdóttir, Thórður Tryggvason, Sveinn Gudmundsson and Gudmundur Georgsson.** (poster) Polymorphism of codon 129 in the prion gene in the Icelandic population. The first international conference of the European network of excellence NeuroPrion. Paris 2004. Proceedings p.104.
 124. **Gudmundur Georgsson, Stefania Thorgeirsdóttir, Ástríður Pálsdóttir og Jóna Adalheiður Adólfssdóttir.** Leit að heilbrigðum smitberum í tveimur riðuhjörðum. (Search for healthy carriers of scrapie agent in two scrapie affected flocks). Vísindadagur Keldna (Science seminar Keldur) Reykjavík 2004. Ráðstefnurit bls 13. Proceedings p.13.
 125. **Gudmundur Georgsson.** The infectious agent of sheep scrapie may survive in the Environment for at least sixteen years. Workshop of the EU.-project NEUROCID. Stirling, Scotland 2005.

Other lectures on invitation of several societies and institutes; not published in any form.

1. **Gudmundur Georgsson.** Um rafeindasmásjárrannsóknir. (On research by electron microscopy) Félag meinfræðinga (Society of Icelandic pathologists). Reykjavík, 1968.
2. **Gudmundur Georgsson.** Fölgerne af Hekla's sidste udbrud i 1970. (The effects of the last eruption of Hekla in 1970).
3. **Gudmundur Georgsson.** Flúoreitrun í búfé vegna eldgosa: Sögulegt yfirlit. (Fluorine Intoxication in farm animals caused by volcanic eruptions: Historical review). Félag meinfræðinga (Society of Icelandic pathologists). Reykjavík, 1974.
4. **Gudmundur Georgsson.** Slow infections: Am Beispiel der Visnakrankheit. (Visna as a example of slow infections). Medizinische Universität, Lübeck, 1979.
5. **Gudmundur Georgsson.** Slow infections: Am Beispiel der Visnakrankheit. (Visna as a example of slow infections). Freie Universität, Berlin, 1979.
6. **Gudmundur Georgsson.** Patologiske forandringer in rida. (pathological lesions in scrapie). Annual meeting of directors of Veterinary Institutes in the Nordic countries, Reykjavík, 1980.
7. **Gudmundur Georgsson.** Fölgerne af Heklas's sidste udbrud I 1970.(The effect of Hekla's last eruption in 1970). Fundur forstöðumanna norrænna dýralæknastofnana á Norðurlöndum (Meeting of directors of Nordic veterinary institutes). Reykjavík.
8. **Gudmundur Georgsson.** Comparison of early and late pathological lesions in experimental visna. EU meeting on maedi-visna. Reykjavík 1982.
9. **Gudmundur Georgsson.** Visna – The prototype of slow infections. Laboratory for experimental neuropathology National Institutes for Health, Bethesda, 1983.
10. **Gudmundur Georgsson.** Visna – The prototype of slow infections. Northwestern University Medical School, Chicago, 1984.
11. **Gudmundur Georgsson.** Visna – The prototype of slow infections. Institute for Brain Research, University of Chicago, 1984.
12. **Gudmundur Georgsson.** Afmýlandi veirusýkingar og heila og mænusigg. (Demyelinating viral infections and mutiple sclerosis). Fræðslufundur félags Læknanema. (Meeting of the educational committee of the association of medical students). Reykjavík 1985.
13. **Gudmundur Georgsson.** Visna and AIDS: some comparative aspects. National Cancer

- Institute, Fredericks Cancer research Facility, Fredricks USA, 1987.
14. **Gudmundur Georgsson.** Visna: Yfirlit og samanburður við eyðni. (Visna, review and comparison with AIDS). Fundur í meinafræðifélagi Íslands. (Meeting of the Icelandic society for pathology. Reykjavík 1987.
 15. **Gudmundur Georgsson.** Diagnostik af scrapie. Annual meeting of directors of Nordic Veterinary Institutes. Reykjavík, 1990.
 16. **Gudmundur Georgsson.** Retróveirur (retroviruses) Flutt á fræðslunámskeiði á vegum framhaldsmenntunarráðs læknadeildar Háskóla Íslands og fræðslunefndar læknafélaganna. (Seminar organized by committee for post-graduate studies, Faculty of Medicine, University of Iceland and committee of the Association of Icelandic MD's. Reykjavík.
 17. **Gudmundur Georgsson.** Um meinafraedi og meinferli vefjaskemmda í miðtaugakerfi visnu. (On pathology and pathogenesis of CNS lesions in visna). Fræðslufundur á Keldum. (Educational staff meeting on Keldur) , Reykjavík 1991.
 18. **Gudmundur Georgsson.** Um Karakúlpestir og eyðni. (On Karakul diseases and Aids). Kiwanis, Seltjarnesi (Reykjavík).
 19. **Gudmundur Georgsson.** Riða kennisetningar líffræðinnar enn einu sinni til falls? (Do we have to reconsider central dogmas in biology once again). Fræðslufundur á Keldum. (Educational staff meeting on Keldur) , Reykjavík 1993.
 20. **Gudmundur Georgsson.** Príon sjúkdómar (Prion diseases). Fræðslufundur Læknaráðs Landspítalans. (Seminar organized by the committee for education of the staff of the National Hospital of Iceland), Reykjavík 1994
 21. **Gudmundur Georgsson.** Príon sjúkdómar (Prion diseases). Borgarspítalinn, föstudagsfundur (Municipal hospital of Reykjavík, staff-meeting) 1995.
 22. **Gudmundur Georgsson.** Karakúlpestir og Alnæmi. (Karkul diseases and AIDS). Fundur í Vísindafélagi Íslands (Societas scientiarum islandica). Reykjavík, 1995.
 23. **Gudmundur Georgsson.** Um ridu og Creutzfeldt-Jakob disease. (On scrapie and Creutzfeldt-Jakob disease). Fræðslufundur Rótarfélags Kópavogs (Educational meeting of the rotary club of Kópavogur) , Kópavogur, Iceland 1996.
 24. **Gudmundur Georgsson.** Rida og skyldir sjúkdómar (Scrapie and related diseases). RALA (Institute for research in agriculture). Reykjavík, 1996.
 25. **Gudmundur Georgsson.** Rida og helstu skyldir sjúkdómar. (Scrapie and main related diseases). Seminar for Veterinarians. Reykjavík, 1997.
 26. **Gudmundur Georgsson.** Rannsóknir á visnu og maedi. (Studies on visna and maedi). Á opnum degi vegna 50 ára afmælis Keldna (Open house because of 50 years anniversary of Keldur). Reykjavík 1998.
 27. **Gudmundur Georgsson.** Um ridu og skylda sjúkdóma. (On scrapie and related diseases). Kiwanis society Nes. Seltjarnarnesi (Reykjavík). 1999.
 28. **Gudmundur Georgsson.** Results of 40 years surveillance for Creutzfeldt-Jakob disease: Can humans contract Creutzfeldt-Jakob disease from scrapie-infected sheep. Lecture at the department for neurology of the National Hospital of Iceland. Reykjavík 2000.
 29. **Gudmundur Georgsson** Creutzfeldt-Jakob disease in Iceland: Results of 40 years Surveillance. Can humans contract CJD from scrapie-infected sheep. Presented at meeting at Keldur. The occasion being the visit of Terri Lindsay organisator of the NEUROCID EU.-project. Reykjavík 2001.
 30. **Gudmundur Georgsson.** Um geggjaðar kýr og vitglöp hjá fólki. (On mad cows and dementia in humans). Vísindafélag Íslands (Societas scientiarum islandica). Reykjavík, 2001.
 31. **Gudmundur Georgsson.** Visna: Prototyp der lentiviralen Infektion. Institut für

- Neurologie der Universität Wien, 2001.
32. **Gudmundur Georgsson.** Saudjárrida og skyldir sjúkdómar. (Sheep scrapie and related diseases) Námsstefna: Kúarida í Evrópu og áhrif hennar á Íslandi. (Seminar: BSE in Europe and its effect in Iceland).Fræðslunet Suðurlands og Hollustuvernd ríkisins. (Educational network of South-Iceland and the public health authorities in Iceland) Selfoss 2001.
 33. **Gudmundur Georgsson.** Saudjárrida og skyldir sjúkdómar. (Sheep scrapie and related diseases). Fraedslufundur á Keldum.(Educational staff meeting on Keldur) , Reykjavík 2001.
 34. **Gudmundur Georgsson,** Christiane Stahl-Hennig, Klara Tenner- Racz, Paul Racz. Slímhúðarbólusetning rhesus apa með veiklaðri apaveiru (Simian Immunodeficiency Virus, SIV9 sem líkan fyrir bólusetningu gegn eyðni (Mucosal vaccination of rhesus monkeys with attenuated SIV as a model for vaccination for AIDS). Vísindadagur Keldna (Day of scientific seminar of Keldur). Reykjavík, 2002.
 35. **Gudmundur Georgsson.** Smitefni ridu getur haldist virkt í umhverfinu í amk. 16 ár. (The infectious agent of scrapie may survive in the environment for at least 16 years). Fraedslufundur á Keldum.(Educational staff meeting on Keldur) , Reykjavík 2005.
 36. **Gudmundur Georgsson.** Um geggjaðar kúr og vitglöp hjá fólki. (On mad cows and dementia in humans).Fundur fyrrverandi starfsfólks Háskóla Íslands. (Meeting of retired staff of the University of Iceland). Reykjavík 2005.



My family. My greatest accomplishment. The result of 53 years close collaboration with my wife, Örbrún Halldórsdóttir. 4 children, their spouses and 11 grand-children and 1 great-grandchild.

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