

Vísindastarfsemi á Landspítala á árinu 2015

Vinsamlegast yfirfarið og bætið inn atriðum, eftir því sem við á.

Barnalæknisfræði

Forstöðumaður fræðasviðs: Ásgeir Haraldsson prófessor

Styrkir sem fræðasviðið fékk á árinu 2015

(Nafn/heiti styrkveitenda, heiti rannsóknar, nöfn rannsakenda)

Vísindasjóður Landspítala

Árangur meðferðar Heilsuskóla Barnaspítala Hringsins frá stofnun. Tryggvi Helgason, Ragnar Bjarnason. Berglind Brynjólfsdóttir, Anna Sigríður Ólafsdóttir, Ólöf Elsa Björnsdóttir.

Burðarmáls-, nýbura- og ungbarnadauði á Íslandi 1985-2014 og möguleiki á líffæragjöfum. Þórður Þórkelsson, Ragnhildur Hauksdóttir, Gestur Pálsson, Kristinn Sigvaldason, Runólfur Pálsson.

Greining jarðhnetuofnæmis eða jarðhnetunæmis. Hver er með hættulegt jarðhnetuofnæmi? Sigurveig Þ. Sigurðardóttir, Michael Clausen, María Ingibjörg Gunnarsdóttir, Ari V Axelsson, Björn Rúnar Lúðvíksson, Anna Guðrún Viðarsdóttir.

Kynslóðarannsóknin RHINESSA. Þórarinn Gíslason, Bryndís Benediktsdóttir, Davíð Gíslason, Michael Clausen, Inga Sif Ólafsdóttir, Erna Sif Arnardóttir, Erla Björnsdóttir.

Ný aðferð til mælinga á 2,8-dihydroxyadeníni í plasma. Viðar Eðvarðsson, Runólfur Pálsson, Snorri Sigurðsson, Margrét Þorsteinsdóttir, Finnur Eiríksson.

Ný rannsókn á næringu ungbarna – Betri tækni og gagnasafn. Inga Þórsdóttir, Ingibjörg Gunnarsdóttir, Gestur Pálsson, Sigurveig Sigurðardóttir, Ragnheiður Ósk Erlendsdóttir, Margrét Ólafía Tómasdóttir, Geir Gunnlaugsson, Alma María Rögnvaldsdóttir, Ragnheiður Björnsdóttir, Jonathan Wells, Mary Fewtrell, Ronald Kleinman barnalæknir, Patricia Hibberd.

Næring, svefn og grátur síðfyrirbura og fullburða barna fyrstu 2 ½ árin. Rakel B. Jónsdóttir, Arna Skúladóttir, Auðna Ágústsdóttir, Brynja Örlygsdóttir, Sesselja Guðmundsdóttir, Þórður Þórkelsson.

Saga 19F á Íslandi 1998-2014. Martha Á. Hjálmarsdóttir, Gunnsteinn Haraldsson, Karl G. Kristinsson, Ásgeir Haraldsson, Helga Erlendsdóttir, Angela Brueggemann, Sigríður Júlía Quirk.

Tíðni Helicobacter Pylori sýkinga hjá íslenskum börnum. Einar Stefán Björnsson, Guðrún Arna Ásgeirsdóttir, Ragnar Bjarnason, Úlfur Agnarsson, Hannes Hrafnkelsson, Hjördís Harðardóttir.

Nýsköpunarstyrkir Vísindasjóðs

Greining jarðhnetuofnæmis eða jarðhnetunæmis. Hver er með hættulegt jarðhnetuofnæmi? Sigurveig Þ Sigurðardóttir, Michael Valur Clausen, María I Gunnbjörnsdóttir.

Rannsóknasjóður Háskóla Íslands

Bakteríur í nefkoki leikskólabarna – tengsl við ónæmisaðgerðir. Ásgeir Haraldsson

Intima media thickness and left ventricular function in adolescents. Ragnar G. Bjarnason

Novel Assay for the Determination of Dihydroxyadenine in Human Plasma. Viðar Örn Eðvarðsson

Rannís

A Smartphone Application for Primary Prevention and Treatment of Obesity in Youth. Ragnar Bjarnason

Vinsamlega yfirfarið nemandu og merkið með **rauðu** þá nema sem luku námi sínu fyrir 2015

Doktorsnemar

(Óskað er eftir, nafni nemanda, heiti verkefnis, háskólastofnun og nöfnum leiðbeinenda undirstrika skal nafn aðalleiðbeinanda).

Eliás Sæbjörn Eyþórsson. Faraldsfræðileg rannsókn á áhrifum ónæmisaðgerða gegn pneumókokkum á notkun heilbrigðisþjónustu og kostnað. Umsjónarkennari: Ásgeir Haraldsson. Aðrir leiðbeinendur/doktorsnefnd: Karl G Kristinsson, Helga Erlendsdóttir, Tinna Laufey Ásgeirsdóttir, Birgir Hrafnkelsson.

Harpa Viðarsdóttir. Börn með fæðingabyngd ≥ 5000 grömm og mæður þeirra. Læknadeild, Háskóla Íslands. Leiðbeinandi: Þórður Þórkelsson. Umsjónarkennarar: Ragnar G Bjarnason, Reynir T Geirsson, Unnur A Valdimarsdóttir, Hildur Harðardóttir.

Lars Hagander. Högspecialiserad barnsjukvård i resurssvaga länder. Læknadeild, Háskólinn í Lundi, Svíþjóð. Læknadeild, Háskóla Íslands. Leiðbeinendur: Anna Gunnarsdóttir, Anders Castor. Umsjónarkennari: Christian Moëll.

Sigríður Júlía Quirk. Pneumococcal molecular epidemiology before and after the introduction of the 10-valent pneumococcal conjugate vaccine Synflorix (GSK) in Iceland. Læknadeild, Háskóla Íslands. Umsjónarkennari: Karl G. Kristinsson. Leiðbeinandi: Gunnsteinn Haraldsson. Aðrir leiðbeinendur/doktorsnefnd: Ásgeir Haraldsson, Angela Brueggemann, Martha Á. Hjálmarsdóttir.

Samúel Sigurðsson. Pneumókokkabólusetningar: Áhrif á sýkingar og beratiðni. Umsjónarkennari: Ásgeir Haraldsson. Leiðbeinandi: Karl G. Kristinsson. Aðrir leiðbeinendur/doktorsnefnd: Helga Erlendsdóttir, Birgir Hrafnkelsson, Þórólfur Guðnason.

Auður Anna Aradóttir. Frumur og boðefni sem stuðla að lifun plasmafrumna í beinmerg nýbura. Umsjónarkennari: Ingileif Jónsdóttir, Ásgeir Haraldsson

Andri Leó Lemarquis: Genetics and cellular regulatory mechanisms in the pathogenesis of autoimmunity in IgA deficiency. Umsjónarkennari: Björn Rúnar Lúðvíksson, Ásgeir Haraldsson.

Meistaraneimar

(Óskað er eftir, nafni nemanda, heiti verkefnis, háskólastofnun og nöfnum leiðbeinenda undirstrika skal nafn aðalleiðbeinanda).

Anna Margrét Kristinsdóttir: TREC and KREC RT-qPCR screening method for primary immunodeficiencies and lymphocyte subpopulations in DiGeorge syndrome. Leiðbeinandi: Björn Rúnar Lúðvíksson. Mastersnefnd: Ásgeir Haraldsson o.fl.

Brynja Jónsdóttir. Unglingar og sykursýki - Þróun og forprófun fræðsluefnis fyrir unglunga með sykursýki. Hjúkrunarfræðideild, Háskóla Íslands Leiðbeinendur: Helga Jónsdóttir, Ragnar Bjarnason, Elísabet Konráðsdóttir.

Gunnbjört Þóra Sigmarsdóttir. Áhrif SSRI lyfjanotkunar á nýbura. Lyfjafraðideild Háskóla Íslands. Leiðbeinendur: Hildur Harðardóttir, Sveinbjörn Gizzurarson, Þórður Þórkelsson.

Ragnhildur Hauksdóttir. Læknadeild, Háskóla Íslands. Burðarmáls-, nýbura- og ungbarnadauði á Íslandi 1985-2014 og möguleiki á líffæragjöfum. Leiðbeinendur: Þórður Þórkelsson, Gestur Pálsson, Kristinn Sigvaldason, Runólfur Pálsson. **Er þetta meistaraverkefni?**

Leiðbeining BSc nema:

Ásta Ísfold Jónasardóttir, Krabbamein í miðtaugakerfi barna – tegund, útbreiðsla og einkenni við greiningu. Læknadeild, Háskóla Íslands. Trausti Óskarsson, Ólafur Gísli Jónsson, Ólafur Gísli Jónsson, Sólveig Hafsteinsdóttir, Halldóra K Þórarinsdóttir, Ásgeir Haraldsson. BSc rannsóknarverkefni læknanema 2015.

Viðar Róbertsson, Kviðverkir á bráðamóttöku Barnaspítala Hringins framhaldsrannsókn. Læknadeild, Háskóla Íslands, María Björg Magnúsdóttir, Sigurður Þorgrímsson, Úlfur Agnarsson, Þráinn Rómundsson, Ásgeir Haraldsson. BSc rannsóknarverkefni læknanema 2015.

Læknar í sérfræðinámi

Viðurkenningar sem starfsfólk fræðasviðsins fékk á árinu 2015

Störf í ritstjórn ritrýndra fagrita

(Hér er átt við nafn starfsmanns, titil tímarits, ritstjórn/ritstjóri)

Viðar Örn Eðvarðsson er í ritstjórn Pediatric Nephrology. Heidelberg, Þýskalandi.

Doktorsritgerð(ir)

(Nafn nemanda, heiti verkefnis, háskólastofnun og nöfn leiðbeinenda. Undirstrika skal nafn aðalleiðbeinanda)

Ritverk –bækur eða bókakaflar

(Hér er átt við útgefið faglegt efni. Óskað er eftir titlum bóka og upplýsingum um útgefanda eða heiti bókakafla)

Edvardsson Vidar (2015). Urolithiasis in Children. In: Pediatric Nephrology. Ellis D. Avner, William E. Harmon, Patrick Niaudet, Yoshikawa Norishiga, Francesco Emma, Stuart L. Goldstein (Eds). Springer, Berlin Heidelberg, pp 1-52.
http://link.springer.com/referenceworkentry/10.1007/978-3-642-27843-3_53-1

Edvardsson VO, Palsson R, Sahota A. Adenine Phosphoribosyltransferase Deficiency. 2012 Aug 30 [Updated 2015 Jun 18]. In: Pagon RA, Adam MP, Ardinger HH, et al., editors. GeneReviews® [Internet]. Seattle (WA): University of Washington, Seattle; 1993-2015. Available from:
<http://www.ncbi.nlm.nih.gov/books/NBK100238/>

Ritverk- vísindagreinar í ritrýndum innlendum tímaritum

(Hér er átt við ritrýndar greinar. Nöfn höfunda sem tilheyra fræðasviðinu skulu feitletruð)

Anna Stefánsdóttir, Áskell Löve, Sóley Guðrún Þráinsdóttir, **Pétur Lúðvígsson**. Brátt blóðþurrðarslag hjá unglingsstúlku – sjúkratilfalli. Læknablaðið 2015;101(7/8):363-6.

Ásdís Eva Lárusdóttir, **Ragnar Bjarnason**, Ólöf Elsa Björnsdóttir, Berglind Brynjólfssdóttir, Anna Sigríður Ólafsdóttir, **Tryggvi Helgason**. Mikilvægi mittismáls við eftirlit barna með offitu. Alvarleg frávik í blóðgildum hjá íslenskum börnum með offitu. Læknablaðið 2015;101(9):399-403.

Michael Clausen, Þórarinn Gíslason, Svala Aðalsteinsdóttir, Davíð Gíslason. Öndunar- og meltingarfæraeinkenni hjá 7-10 ára börnum í Reykjavík. Læknablaðið 2015;101(3):131-5.

Ingunn Þorsteinsdóttir, Rafn Benediktsson, Ísleifur Ólafsson, **Ragnar Bjarnason**. HbA1c 7% verður 53 mmól/mól ný eining frá 1. mars 2015. Læknablaðið 2015;101(2):95.

Ritverk – vísindagreinar í ritrýndum erlendum tímaritum

(Hér er átt við ritrýndar greinar í erlendum tímaritum. Nöfn höfunda sem tilheyra fræðasviðinu skulu feitletruð)

A. a. Schoemaker, A.b. Sprickelman, K E Grimshaw, G Roberts, L Grabenhenrich, L Rosenfeld, S Siegert, R Dubakiene, O Rudzeviciene, M Reche, A Fiocchi, L Dahdah, S Th Sigurdardottir, **Michael Clausen**, A Stańczyk-Przyłuska, K Zeman, Enc Mills, Doreen McBride, T Keil, K Beyer. Incidence and natural history of challenge-proven cow's milk allergy in European children –EuroPrevall birth cohort. Allergy04/2015; DOI:10.1111/all.12630 .

Agustsson TT, Baldvinsdóttir T, Jonasson JG, Olafsdóttir E, Steinthorsdóttir V, Sigurdsson G, **Thorsson AV**, Carroll PV, Korbonits M, Benediktsson R. The epidemiology of pituitary adenomas in Iceland, 1955-2012: a nationwide population-based study. European journal of endocrinology / European Federation of Endocrine Societies 2015;173(5):655-64.

Amin R, Eid L, **Edvardsson VO**, Fairbanks L, Moudgil A. An unusual cause of “pink diaper” in an infant: Questions. Pediatr Nephrol. 2015 Apr 1. No abstract available. Doi 10.1007/s00467-015-3072-z PMID: 25823987. PMCID: PMC4591217.

Amin R, Eid L, **Edvardsson VO**, Fairbanks L, Moudgil A. An unusual cause of “pink diaper” in an infant: Answers. *Pediatr Nephrol*. 2015 Apr 1. No abstract available. Doi 10.1007/s00467-015-3073-y PMID: 25823988

Asdahl PH, Winther JF, Bonnesen TG, De Fine Licht S, **Gudmundsdottir TBH**, Anderson H, Madanat-Harjuoja L, Tryggvadottir L, Smastuen MC, Holmqvist AS, Hasle H, Olsen JH, Group ALS. The Adult Life After Childhood Cancer in Scandinavia (ALiCCS) Study: Design and Characteristics. *Pediatric blood & cancer* 2015;62(12):2204-10.

Asgeirsson H, Gudlaugsson O, Kristinsson KG, Vilbergsson GR, Heiddal S, **Haraldsson A**, Weiland O, Kristjansson M. Low mortality of *Staphylococcus aureus* bacteremia in Icelandic children: nationwide study on incidence and outcome. *Pediatric infectious disease journal* 2015;34(2):140-4.

Ballmer-Weber BK, Fernandez-Rivas M, Beyer K, Defernez M, Sperrin M, Mackie AR, Salt LJ, Hourihane JO, Asero R, Belohlavkova S, Kowalski M, de Blay F, Papadopoulos NG, **Clausen M**, Knulst AC, Roberts G, Popov T, Sprikkelman AB, Dubakiene R, Vieths S, van Ree R, Crevel R, Mills EN. How much is too much? Threshold dose distributions for 5 food allergens. *The Journal of allergy and clinical immunology* 2015;135(4):964-71.

Ballmer-Weber BK, Lidholm J, Fernandez-Rivas M, Seneviratne S, Hanschmann KM, Vogel L, Bures P, Fritsche P, Summers C, Knulst AC, Le TM, Reig I, Papadopoulos NG, Sinaniotis A, Belohlavkova S, Popov T, Kralimarkova T, de Blay F, Purohit A, **Clausen M**, Jedrzejczak-Czechowicz M, Kowalski ML, Asero R, Dubakiene R, Barreales L, Clare Mills EN, van Ree R, Vieths S. IgE recognition patterns in peanut allergy are age dependent: perspectives of the EuroPrevall study. *Allergy* 2015;70(4):391-407.

Barbara K. Ballmer-Weber, Jonas Lidholm, Montserrat Fernández-Rivas, Suranjith Seneviratne, Kay-Martin Hanschmann, Lothar Vogel, Peter Bures, Philipp Fritsche, Colin Summers, André C. Knulst, [.....], Frédéric de Blay, Ashok Purohit, **Michael Clausen**, Marek L. Kowalski, Riccardo Asero, Ruta Dubakiene, Laura Barreales, E.N. Clare Mills, Ronald van Ree, Stefan Vieths. IgE recognition patterns in peanut allergy are age dependent: perspectives of the EuroPrevall study. *Allergy* 01/2015; DOI:10.1111/all.12574

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Fernandez-Rivas M, Barreales L, Mackie AR, Fritsche P, Vazquez-Cortes S, Jedrzejczak-Czechowicz M, Kowalski ML, **Clausen M**, Gislason D, Sinaniotis A, Kompoti E, Le TM, Knulst AC, Purohit A, de Blay F, Kralimarkova T, Popov T, Asero R, Belohlavkova S, Seneviratne SL, Dubakiene R, Lidholm J, Hoffmann-Sommergruber K, Burney P, Crevel R, Brill M, Fernandez-Perez C, Vieths S, Clare Mills EN, van Ree R, Ballmer-Weber BK. The EuroPrevall outpatient clinic study on food allergy: background and methodology. *Allergy* 2015;70(5):576-84.

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Gudbjornsson B Th, **Haraldsson Á**, Einarsdóttir H, Thorarensen Ó. Nationwide Incidence of Acquired Central Nervous System Demyelination in Icelandic Children. *Pediatric Neurology* 2015; 53(6):503-7

Henriksen LT, Harila-Saari A, Ruud E, Abrahamsson J, Pruunsild K, Vaitkeviciene G, **Jónsson ÓG**, Schmiegelow K, Heyman M, Schrøder H, Albertsen BK; Nordic Society of Paediatric Haematology and Oncology (NOPHO) group. PEG-asparaginase allergy in children with acute lymphoblastic leukemia in the NOPHO ALL2008 protocol. *Pediatr Blood Cancer*. 2015 Mar;62(3):427-33

Helgason H, Rafnar Th, Olafsdottir HS, Jonasson JG, Sigurdsson A, Stacey SN, Jonasdottir A, Tryggvadottir L, Alexiusdottir K, **Haraldsson A**, le Roux L, Gudmundsson J, Johannsdottir H, Oddsson A, Gylfason A, Magnusson OT, Masson G, Jonsson Th, Skuladottir H, Gudbjartsson DF, Thorsteinsdottir U, Sulem P, Stefansson K. Loss-of-function variants in ATM confer risk of gastric cancer. *Nature Genetics* 2015; 47, 906–910 (doi:10.1038/ng.3342)

Hrafnhildur Linnet Runolfsdottir, Runolfur Palsson, **Inger M Sch Agustsdottir**, Olafur S. Indridason, **Vidar O Edvardsson**. Kidney Disease in Adenine Phosphoribosyltransferase Deficiency. *Am J Kidney Dis*. 2015 2016 Mar;67(3):431-8. doi: 10.1053/j.ajkd.2015.10.023. Epub 2015 Dec 25. PMID: 26724837

J Saleh-Langenberg, Nj Goossens, Bmj de Blok Flokstra, B J Kollen, Gn van der Meulen, Tm Le, Ac Knulst, MJedrzejczak-Czechowicz, MI Kowalski, E Rokicka, **M Clausen**, A DunnGalvin, J O'B Hourihane, A Purohit, Ng Papadopoulos, M Fernández-Rivas, L Frewer, P Burney, Ej Duiverman, Aej Dubois. Predictors of health-related quality-of-life of European food-allergic patients. *Allergy* 01/2015; DOI:10.1111/all.12582

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Mareen R Datema, Laurian Zuidmeer-Jongejan, Riccardo Asero, Laura Barreales, Simona Belohlavkova, Frédéric de Blay, Peter Bures, **Michael Clausen**, Ruta Dubakiene, David Gislason, [...], Athanasios Sinaniotis, Serge A Versteeg, Stefan Vieths, Aeilko H Zwinderman, Clare Mills, Jonas Lidholm, Karin Hoffmann-Sommergruber, Montserrat Fernández-Rivas, Barbara Ballmer-Weber, Ronald van Ree. Hazelnut allergy across Europe dissected molecularly: A EuroPrevall outpatient clinic survey. *J Allergy Clin Immunol*. 2015 Mar 13. pii: S0091-6749(15)00170-0. doi: 10.1016/j.jaci.2014.12.1949. [Epub ahead of print]

Montserrat Fernández-Rivas, Laura Barreales, Alan R Mackie, Philipp Fritsche, Sonia Vázquez-Cortés, Monika Jedrzejczak-Czechowicz, Marek L Kowalski, **Michael Clausen**, David Gislason, Atanasios Sinaniotis, [...], Jonas Lidholm, Karin Hoffmann-Sommergruber, Peter Burney, René Crevel, Marianne Brill, Cristina Fernández-Pérez, Stefan Vieths, E N Clare Mills, Ronald van Ree, Barbara K Ballmer-Weber. The EuroPrevall outpatient clinic study on food allergy: background and methodology. *Allergy* 01/2015; DOI:10.1111/all.12585

Nina Toft, Henrik Birgens, Jonas Abrahamsson, Laimonas Griskevicius, Helene Hallböök, Mats Marshall Heyman, Tobias Klausen, **Ólafur Gísli Jónsson**, Katrin Palk, Kaie Pruunsild, Petter Quist-Poulsen, Goda Vaitkeviciene, Kim Vettenranta, Ann Asberg, Louise Rold Helt, Thomas Frandsen, Kjeld Schmiegelow. Toxicity profile and treatment delays in NOPHO ALL2008 – comparing adults and children with Philadelphia chromosome-negative acute lymphoblastic leukemia. *Eur J Haematol*. 2015 Apr 13.

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Önnur ritverk

(Hér er átt við upplýsingar um birt faglegt efni. Nöfn höfunda sem tilheyra fræðasviðinu skulu feitletruð)

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Fyrirlestrar á íslenskum ráðstefnum

(Hér er einungis átt við ráðstefnur en ekki fræðslufundi eða kennslu. Skráið heiti fyrirlestrar, nafn flytjanda, hvenær fyrirlesturinn var haldinn og hvar. Tekið skal fram ef um boðsfyrirlestur er að ræða)

Fyrirlestrar á alþjóðlegum / norrænum ráðstefnum

(Hér er átt við heiti fyrirlestrar, nafn flytjanda, hvenær fyrirlesturinn var haldinn, borg og land. Tekið skal fram ef um boðsfyrirlestur er að ræða)

Ásgeir Haraldsson: Immunisation – The Icelandic Saga. Baltic paediatric Congress. Riga, Latvia August 2015. Plenary presentation. **Boðsfyrirlestur**

Ásgeir Haraldsson: Immunisation – *Streptococcus pneumoniae* – Infections and prevention. Icelandic experience. Baltic paediatric Congress. Riga, Latvia August 2015. Plenary presentation. **Boðsfyrirlestur**

Ásgeir Haraldsson: Immunisation – The immune system – A practical approach. Baltic paediatric Congress. Riga, Latvia August 2015. Plenary presentation, **Boðsfyrirlestur**

Valtýr S. Thors: The effects of LAIV on nasopharyngeal colonisation in children. ESPID Annual Meeting, Leipzig, Germany 2015. Best of ESPID plenary session.

Valtýr S. Thors: Nasopharyngeal carriage of *Kingella kingei* in young healthy children attending day care centres. ESPID Annual Meeting Leipzig, Germany 2015. e-poster walk.

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Veggspjöld sýnd á íslenskum ráðstefnum

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Veggspjöld sýnd á alþjóðlegum / norrænum ráðstefnum

(Hér er átt við heiti verkefnis, nafn rannsakanda, hvar og hvenær veggspjaldið var sýnt, borg og land)

Berglind Eik Gudmundsdóttir, Rebekka Sigrún Lynch, Runolfur Palsson, **Vidar O. Edvardsson**, Olafur S. Indridason. Clinical Stone Events in Patients Diagnosed with Asymptomatic Nephrolithiasis. Annual Meeting of the American Society of Nephrology, San Diego CA, USA, November 3 – November 8, 2015. J Am Soc Nephrol 26: 2015, 583A.

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