

## Listi erinda og veggspjalda líffræðiráðstefnunar 5 - 7. nóvember 2015.

### The list of contributions of the Icelandic biology conference, Nov 5-7. 2015

For more information about plenary talks, and more on individual presentations, abstracts and coauthors see [biologia.is](http://biologia.is)

Listi yfirlitserinda / list of keynote, plenary and honor awards talks

	Time	Speakers	Title
P1	5. nóv. Decode 16:15	Mina Bissell	Why don't we get more cancer? The crucial role of Extracellular Matrix and Microenvironment in metastasis and dormancy
P2	5. nóv. Decode 17:30	Snorri Baldursson	Náttúruvernd á krossgötum
P3	6. nóv. Decode 9:00	Robert Hindges	How do we see the world: Mechanisms to establish specific circuits in the vertebrate retina
P4	6. nóv. Decode 10:30	Guðmundur Eggertsson	
P5	6. nóv. Decode 11:00	Sigrun Lange	Novel roles of peptidylarginine deiminases (PADs) in central nervous system damage and prostate cancer
P6	7. nóv. Askja 132 9:00	Brynhildur Davidsdottir	Environmental sustainability in Iceland; the role of biology
P7	7. nóv. Askja 132 9:40	Greg Gibson	Decanalization and the Evolution of Disease Risk
P8	7. nóv. Askja 132 16:40	Steve Campana	Adventures in the Arctic: First steps towards a pan-Arctic conservation strategy for lake trout

## Listi yfir veggspjöld / List of posters

Spjald Kynnir / titill

- V1 Sigurður Óskar Helgason - Biomass and species assemblage structure of algae in Hlíðardalslækur, a geothermally affected stream, NE Iceland.
- V2 Ragnar Ingi Danner - Optimizing pak-choi growth in aquaponics
- V3 Helena M. Stefansdóttir - Effects of deforestation on springfed stream ecosystems in Iceland
- V4 Ragnhildur Gudmundsdóttir - Ecology, Evolution and Genomics of the Groundwater Amphipod *Crangonyx islandicus*
- V5 Sunna Björk Ragnarsdóttir - Ástir og örlög doppa á Reykjanesskaga
- V6 Sölvi Rúnar Vignisson - Sjálfvirk greining dýrasvifs
- V7 Chosson Valerie - Long-distance migration pattern of Humpback whale (*Megaptera novaeangliae*) from Icelandic waters.
- V8 Elin Lilja Öqvist - Watching or whaling, sealing or seeing: Tourist perception of marine mammal hunting and watching in Iceland
- V9 Elin Lilja Öqvist - Seal watching management: Codes of conduct as a management tool for conservation
- V10 Steven Dauwe - FORHOT - Short- and long term natural soil warming in natural grasslands in Iceland
- V11 Steven Dauwe - Impact of soil temperature and N enrichment on soil carbon and ecosystem structure and function in Icelandic grasslands
- V12 Bjarni D. Sigurðsson - The ForHot experiment: Effects of natural soil warming gradients on ecosystem structure and function
- V13 Bjarni D. Sigurðsson - Annual height and volume increment of mature Norway spruce trees grown for three years in elevated [CO<sub>2</sub>] at ambient and elevated air temperature and contrasting nutrient availability
- V14 Elín Guðmundsdóttir - Jarðvegshiti og hitaþol plöntutegunda
- V15 Kristín Svavarsdóttir - Er hægt að eyða lúpínu? Niðurstöður samanburðartilraunar í Stykkishólmi
- V16 Ása L. Aradóttir - Breytingar á gróðurfari í kjölfar sauðfjárbeitar á lúpínubreiður
- V17 Jóhann Þórsson - Samspil beitar og umhverfis
- V18 Bryndís Marteinsdóttir - Lítil sauðfjárbeit á lítt grónu landi – hefur hún áhrif á sjálfgræðslu lands?
- V19 Christina Stadler - Effect of LEDs on red colouring and yield of red winter salad
- V20 Christina Stadler - Effect of pruning the clusters, deleafing and interplanting on yield of winter grown tomatoes
- V21 Ágústa Helgadóttir - The role of bryophytes in subarctic tundra restoration
- V22 Pawel Wasowicz - Species from genus *Heracleum* (Apiaceae) in Akureyri (N Iceland): distribution, main sources of spread and identification of priority areas for eradication
- V23 Zophonías O. Jónsson - Relative importance of abiotic factors and genotype for gene expression of a lichenized fungus
- V24 Menja von Schmalensee - Tilraunaverkefni um burðarplastpokalaust sveitarfélag
- V25 Matthías Eydal - *Strongyloides stercoralis* found in imported dogs, kennel dogs and household

dogs in Iceland

- V26 Karl Skírnisson - Um refa-, rjúpu- og músabandorminn *Mesocestoides canislagopodis* á Íslandi
- V27 Kristján Axel Tómasson - Blóðsníkjudýr í strandfuglum
- V28 Gunnar Þór Hallgrímsson - Fuglaflensur á Íslandi
- V29 Gunnar Þór Hallgrímsson - Sexing adult and fledgling Lesser Black-backed Gulls from morphometrics
- V30 Gunnar Þór Hallgrímsson - Wintering grounds of Icelandic Arctic Skuas
- V31 Elísa Skúladóttir - Búsvæðaval heiðlóu utan varptíma
- V32 Jón Einar Jónsson - Merkingar á æðarfugli á sjö stöðum á sunnanverðum Breiðafirði
- V33 Árni Ásgeirsson, Aldís Erna Pálsdóttir, Jón Einar Jónsson - Notkun hreiðurmyndavéla við æðarhreiður sumrin 2014 og 2015
- V34 Árni Ásgeirsson - Breytingar á varpi æðarfugls eftir landnám minks í Brokey
- V35 Rannveig Magnúsdóttir - The importance of the marine ecosystem to the American mink
- V36 Guðmundur Guðmundsson - Trends in bryozoan zooid size along environmental gradients in Icelandic waters
- V37 Hildur Magnúsdóttir - Unravelling shell trait variation in the common whelk (*Buccinum undatum* L.)
- V38 Kolbeinsdóttir, M. - Effects of group size on sleep in zebrafish
- V39 Kruger, J.L. - Artificial selection of long and short sleeping zebrafish: Heritability of sleep traits and neuroanatomical investigation
- V40 Srdanović, S. - Kinase Inhibitor Effects on Sleep-Wake parameters in Larval zebrafish: HT Screen Using the SYNLibrary 190 Library
- V41 Serwatko, M. - Validation of a novel non-invasive method to assess respiratory effort
- V42 Sigurvin Bjarnason - Estimated age of the Norway lobster (*Nephrops norvegicus*) using gastric ossicular growth-band counts.
- V43 Soffía Karen Magnúsdóttir - Vaxtarrými Evrópuhumars (*Homarus gammarus*) við ólíkar eldisaðstæður
- V44 Karl Gunnarsson - Hve hratt vaxa kóralþörungar?
- V45 Zhiqian Yi - Effects of Chemical Mutagenesis and Adaptive Evolution on the Marine Diatom *Phaeodactylum tricornutum* for Enhanced Carotenoid Accumulation
- V46 Vaiva Čypaitė - The dissemination of the invasive diatom *Didymosphenia geminata* in subpolar oceanic climate – a case study from Iceland
- V47 Cecilia E. K. Kvaavik - Trophic interactions of mackerel (*Scombrus Scomber*) and herring (*Clupea harengus*) on the Icelandic shelf – a study of diet using stable nitrogen and carbon isotopes.
- V48 Gisli Mar Gislason - Effect of heating up a stream on insect emergence
- V49 Ásthildur Erlingsdóttir - The development of *Sphyrion lumpi* infections on *Sebastes mentella* in Icelandic waters from 1995 to 2013
- V50 Fjóla Rut Svavarsdóttir - Proliferative kidney disease (PKD) – the cause for declining stocks of arctic charr, *Salvelinus alpinus*, in Iceland?
- V51 Nicolas Larranaga - Diel activity and growth of Arctic charr in contrasting stream habitats
- V52 Matthew Brachmann - A test of parallelism in the axes of morphological and ecological divergence in Arctic charr

- V53 Louise Vernier - Relationship between egg size, metabolic rate, growth and personality traits of individuals in divergent populations of Salmonids
- V54 Hrefna Sigurjónsdóttir - Mechanisms of pre-zygotic reproductive isolation in sympatric Arctic charr morphs
- V55 Kalina H. Kapralova - The effect of hatching on Arctic charr craniofacial morphology
- V56 Drífa Hrund Guðmundsdóttir - Arctic charr head development: miR-206 and its targets *tnnc* and *tmyo*
- V57 Jóhannes Guðbrandsson - The developmental transcriptome of contrasting Arctic charr (*Salvelinus alpinus*) morphs
- V58 Sigríður Rut Franzdóttir - Validation and functional analysis of predicted miRNA-mRNA target pairs and associative expression data relating to Arctic charr morphotype differences
- V59 MIRIAM GUADALUPE CONTRERAS MOSTAZO - Studies on Antimicrobial peptides and iNOS gene expression: candidate tools for marker selection
- V60 David Eme - Contrasting phylogeographic histories using mitochondrial DNA and RADSeq data of a groundwater amphipod (*Crangonyx islandicus*) that survived Ice age in Iceland.
- V61 Einar Árnason - High levels of gene flow and temporal genetic variation in Atlantic cod *Gadus morhua* in Icelandic waters — inferred by mitochondrial DNA sequence variation
- V62 Snaebjörn Pálsson - Genetic divergence of *Troglodytes troglodytes islandicus* from other subspecies of Eurasian Wren in Northwestern Europe
- V63 Ehsan Pashay Ahi - Effects of low levels of estrogen on gene expression during zebrafish larval head development
- V64 Kristen M. Westfall, Snaebjörn Pálsson - Population structure and variation in disease associated SNPs in *Penaeus monodon* along the Bangladesh coast
- V65 Kristín Elísabet Alansdóttir - *Pontin* and *Reptin* are required for *Drosophila melanogaster* nervous system development
- V66 Arnar Pálsson - Náttúrulegur breytileiki í stjórnroðum evenskipped gensins
- V67 Helena Montazeri - Freeze dried platelets lysates from expired platelet concentrates support growth and differentiation of mesenchymal stem cells
- V68 Freyr Jóhannsson - Effects of pathogen inactivation on platelet metabolism
- V69 Sreekala Syamala Kumary - A Combined Computational and Experimental Approach to Characterize Metabolic Proteins
- V70 Sarah McGarrity - Modelling the metabolism of human endothelial dysfunction.
- V71 Sonal Kumari - Molecular signaling pathways alter metabolic fate in the epithelial to mesenchymal transition (EMT) in breast epithelial cells: A systems level approach
- V72 Erika Morera - Comparison of non-tumorigenic and tumorigenic EMT in breast epithelial stem cells
- V73 Birna Þorvaldsdóttir - Telomere length and dysfunction in normal breast tissue from BRCA2 mutation carriers and sporadic breast cancer cases
- V74 Stefán Þór Hermanowicz - The Role of ALKBH3 in Epigenetics, DNA Repair, and Breast Cancer
- V75 Antón Ameneiro-Álvarez - Biochemical characterization of RAD26 and its function in transcription-coupled nucleotide excision repair (TC-NER)
- V76 Linda Hrönn Sighvatsdóttir, lhs4@hi.is - The role of microRNA in TCEA1 expression.
- V77 Þorkell Guðjónsson - Characterizing the potential role of USPL1 in the response to DNA

damage

- V78 Kimberley J Anderson - Transcriptional enhancers and long non-coding RNAs in MGUS and multiple myeloma
- V79 Kristján Hólm Grétarsson - The long range interactions of the IRF4 promoter in myeloma and melanoma
- V80 Ásgeir Örn Arnþórsson - Analysis of isoform expression of MiT/TFE transcription factor family members in melanoma cells
- V81 Diahann A. M. Atacho - Unraveling the role of MITF in the central nervous system.
- V82 Pétur Henry Petersen - Meningeal melanocytes in the mouse: Distribution and dependence on Mitf
- V83 Valerie Fock - Characterizing the subcellular localization of Microphthalmia-associated transcription factor in melanoma
- V84 Remina Dilixiati - MITF dependent transcriptional network in melanoma and melanocyte
- V85 Sara Sigurbjörnsdóttir - The role of V-ATPases in melanoma and their regulation by MITF
- V86 Josue Ballesteros - Signaling pathways that mediate phosphorylation at SER73 and SER409 of MITF
- V87 Hilma Eiðsdóttir Bakken - Cell based assays as a tool in the search for cosmeceuticals
- V88 Eva Kuttner - Effect of seaweed extracts on fat cell differentiation (adipogenesis) using the 3T3-L1 cell model
- V89 Bryndís Björnsdóttir - Thermostable alginate lyases
- V90 Þórdís Kristjánsdóttir - Genome-scale metabolic reconstruction of the thermophilic bacterium *Rhodothermus marinus*
- V91 Edda Olgudóttir - Novel bacterial species from intertidal, geothermal areas in Iceland - a potent source of bioactive compounds
- V92 Viggó Þór Marteinsson - MASE - Mars Analogues for Space Exploration (<http://www.mase-eu.org>)
- V93 Pia Iloranta - Bioprospecting for Glycohydrolase- and 1,2-Propanediol-producing Microbes from Geothermally Heated Intertidal Pools in Northern Iceland
- V94 Eva Maria Ingvadóttir - Biotechnological Potential of *Clostridium* AK1 – A Novel, Moderately Thermophilic Anaerobe
- V95 Heiða B. Friðjónsdóttir - Bioprospecting psychrotrophic sphingomonads for hydrocarbon degradation
- V96 Kristinn P. Magnússon - Bacterial microbiota of rock ptarmigan in Iceland
- V97 Kristinn P. Magnússon - Genome genotyping of ptarmigans using ddRAD
- V98 Rúna Björk Smáradóttir - Vanadín-háð niturnám í blágrænbakteríum og fléttum.
- V99 Ana J. Russi - N fixing activity in moss associated cyanobacteria in response to grazing and experimental warming in Tundra ecosystems
- V100 Valgerður Andrésdóttir - Hvernig viðhelst mæði-visnuveira í kindinni þrátt fyrir öflugt ónæmissvar?
- V101 Guðbjörg Guttormsdóttir - New PCR primers for flavobacteria and tenacibaculum species based on 16s rRNA gene sequencing
- V102 Stefanía Þorgeirsdóttir - Scrapie control in Iceland – past and present
- V103 Snæbjörn Pálsson – The subspecies status of *Calidris maritima littoralis* (Aves:

Charidriiformes: Scolopacidae)

- K1 Hið Íslenska Náttúrufræðifélag - Hið Íslenska Náttúrufræðifélag  
K2 Anna Veronika Bjarkadóttir og Edda Olgudóttir - Hvatinn: íslenskur vísindafjölmiðill  
K3 Þorkell Lindberg Þórarinnsson - Rannsóknastöðin Rif á Raufarhöfn

### Listi yfir erindi / List of talks

Málstofa / session	Erindi / Talk	
		Föstudagur 6. nóv / Friday Nov. 6.
		Atferli I / Behavior I
F1	E1	Sigurður Halldór Árnason Phenotypic variability in behaviour, diet and morphology of a cave dwelling population of small benthic charr ( <i>Salvelinus alpinus</i> )
	E2	Stefán Óli Steingrímsson Density-dependent diel activity in stream-dwelling Arctic charr
	E3	Nicolas Larranaga Intra- vs Inter-population effects of temperature on the temporal and spatial behaviour of a stream-dwelling fish
	E4	Guðjón Már Sigurðsson Botntaka humars í Fundyflóa: Ferlar og mynstur
	E5	Aldís Erna Pálsdóttir Áhrif varptíma æðarfugls á tíðni afráns hreiðra
		Atferli II / Behavior II
F2	E6	Hrefna Sigurjónsdóttir On the determinants of social behavior in adult horses: the importance of individual and group characteristics
	E7	Gísli Víkingsson Migration and local movements of humpback whales in Icelandic and adjacent waters.
	E8	Marianne Rasmussen A large hydrophone array to localize vocalizing blue whales ( <i>Balaenoptera musculus</i> ) in Skjálfandi Bay, Iceland
	E9	William Butler Can proximate cue-based rules produce optimal behavioural responses in a complex environment?
		Fjölbreytni lífríkis / Biodiversity
F3	E10	Jónína Herdís Ólafsdóttir Biological diversity in Icelandic groundwater fissures
	E11	Hrönn Egilsdóttir The species richness and biodiversity of benthic molluscs around Iceland

	E12	Agnes-Katharina Kreiling	Macroinvertebrate biodiversity in Icelandic freshwater springs
	E13	Bjarni K. Kristjánsson	Diversity of threespine stickleback in the dynamic Lake Mývatn Iceland
	E14	Árni Kristmundsson	Áður óþekktar tegundir smásærra sníkjudýra í lagardýrum - Lýsing þeirra og vandamál við nafngift tegundanna
			Umhverfislíffræði I / Environmental biology I
F4	E15	Starri Heiðmarsson og Þorleifur Eiríksson	Gagnasöfn og gegnsæi – uppbygging vísindasafna 21. aldar
	E16	Róbert A. Stefánsson	Aðgerðir gegn ágengum plöntum
	E17	Jónas Páll Jónasson	Af humarveiðum og ráðgjöf
	E18	Þorvaldur Örn Árnason	Er hægt að hafa hemil á Alaskalúpínunni?
	E19	Jóhann Garðar Þorbjörnsson	Impacts of SCUBA Divers in the Silfra Freshwater Fissure: Ecological Disturbance and Management
			Umhverfislíffræði II / Environmental biology II
F5	E20	Oddur Vilhelmsson	Treasure tundra – Bioprospecting lichens, highland desert soils, and glacial river water for cold-active bioremediators
	E21	Pawel Wasowicz	Non-native plants in the vascular flora of highland and mountain areas of Iceland
	E22	Mariana Tamayo	Insect Herbivory on Native and Introduced Hosts: The Case of the Red-backed Cutworm
	E23	Jonathan Willow	Pollinator diversity in native heath and alien Nootka lupine stands in Iceland
			Áhrif sauðfjárbeitar / Sheep grazing
F6	E24	Ingibjörg Svala Jónsdóttir	The ecological role of large vertebrate grazers in high-latitude ecosystems – is it different between livestock and wild populations?
	E25	Egill Erlendsson	Historical impact of grazing in Kjarardalur, West Iceland
	E26	Martin A. Mörsdorf	Plant diversity in Icelandic tundra – no evidence for an effect even 60 years after cessation of sheep grazing

	E27	Ólafur Arnalds	Ástand lands, beit og mælanlegir vistkerfisþætti
	E28	Sigbrúður Jónsdóttir	Tengsl átgetu og þrifa sauðfjár við ástand gróðurs og beitarálag
		Ólafur Arnalds, Jóhann Þórsson, Þórunn Pétursdóttir, Björn H. Barkarson, Egill Erlendsson, Þórólfur Matthíasson, Þór Kárason, Þóra Ellen Þórhallsdóttir	Pallborðsumræður um áhrif sauðfjárbeitar / panel discussion on the effects of sheep grazing
			Þroskunarfræði / Developmental biology
F7	E29	Anne Richter	The unique role of EGFL7 in human embryonic stem cells.
	E30	Sigríður Rut Franzdóttir	Developmental roles and intracellular dynamics of Pontin and Reptin in the <i>Drosophila melanogaster</i> nervous system
	E31	Ehsan Pashay Ahi	Differential expression of genes in the aryl hydrocarbon receptor pathway associates with craniofacial polymorphism in sympatric Arctic charr
	E32	Kalina H. Kapralova	Role of miRNAs and their targets in Arctic charr morphogenesis
	E33	Níels Árni Árnason	Kortlagning á breytingum á micro RNA við geymslu á blóðflögum með og án örveruóvirkjunar.
			Sameindalíffræði I / Molecular biology
F8	E34	Óttar Rolfsson	Mass spectrometry based systems biology approaches to understand human cell biochemistry.
	E35	Katrín Möller	The role of the Microphthalmia associated transcription factor in autophagy regulation in melanoma
	E36	Ólafur Andri Stefánsson	Exploring the epigenome of cancer cells
	E37	Laufey Tryggvadóttir	Breast Cancer Survival, Prognostic Factors and Treatment in BRCA2 Mutation Carriers
			Ónæmisfræði / Immunology



F9	E38	Guðmundur Hreggviðsson	A bacterial beta-transglucosidase - a true beta-glucan branching enzyme
	E39	Rosana A. Estévez	In vitro effects of different innate-immune stimulants on CHSE-214 cell line.
	E40	Miriam Guadalupe Contreras Mostazo	Antimicrobial peptides and iNOS defense role mechanism against bacteria and virus infections due to different immunostimulants
	E41	Valgerður Andrésdóttir	Vif prótein mæði-visnuveiru
	E42	Aðalbjörg Aðalbjörnsdóttir	Vif prótein mæði-visnuveiru hefur áhrif á sjálfsát í makrófögum
			Laugardagur 7. nóv / Saturday Nov. 7.
			Sameindalíffræði II / Molecular biology
L1	E43	Bjarki Guðmundsson	Northern Lights Assay: A Versatile Method for Comprehensive Detection of DNA Damage
	E44	Sigurður Ingvarsson	Virkni Hif1-umritunarþáttar við mismunandi styrkleika súrefnis
	E45	Amaranta U. Armesto Jiménez	Functional role of MUC5B polymorphism in airway epithelial differentiation and Idiopathic pulmonary fibrosis
	E46	Einar Lövdahl Gunnlaugsson	Íðorðasafn og myndun nýrra íðorða í lífvísindum
	E47	Ólafur H. Friðjónsson	Bioprospecting viral (meta)-genomes for molecular enzymes
	E48	Bryndís Björnsdóttir	Engineering of a thermoanaerobe for macroalgal carbohydrate utilization
			Ónæmisfræði II / Immunology II
L2	E49	Sigríður Jónsdóttir	Sumarexem í hestum: myndun á sérvirku mótefnasvari eftir meðhöndlun um munn með byggi sem tjáir ofnæmisvaka
	E50	Sæmundur Bjarni Kristínarson	Bólusetning gegn sumarexemi: Prófun á sérvirkri mótefnasvörun á endurröðuðum ofnæmisvökum framleiddum í byggi

	E51	Auður Anna Aradóttir Pind	The adjuvant LT-K63 increases the frequency of eosinophils and megakaryocytes and their secretion of antibody-secreting cell survival factors in bone marrow of neonatal mice
	E52	Eva Ösp Björnsdóttir	Effects of Blue Lagoon treatment on the expression of LL37 in the skin of plaque psoriasis patients
	E53	Dr. Bettina Scholz	Infections of marine diatoms by zoosporic parasites (Chytridiomycota and Oomycota) in the Húnaflói
	E54	Skarphéðinn Halldórsson	Biochemical Systems Analysis of Epithelial to Mesenchymal Transition
			Ónæmisfræði III / Immunology III
L3	E55	Ásthildur Erlingsdóttir	Smásæ sníkjudýr karfa (Sebastes spp.) við Ísland
	E56	Stefán Ragnar Jónsson	Hjálparþættir Vif próteina
	E57	Þorbjörg Einarsdóttir	Eru sjúkdómsvaldandi stofnar af Pasteurella multocida ólíkir stofnum sem finnast í heilbrigðum sauðfjárlungum?
	E58	Sigríður Guðmundsdóttir	Ósérhæft ónæmisviðbragð í laxi og bleikju gegn sýkingu með innanfrumu- bakteríunni Renibacterium salmoninarum sem veldur nýrnaveiki í laxfiskum.
			Sjúkdómar / Diseases
L4	E59	Heiða Sigurðardóttir	Veirur sem sýkja hjartavef í laxi
	E60	Fjóla Rut Svavarsdóttir	Tilvist Tetracapsuloides bryosalmonae, orsakavalds PKD-nýrnasyki, í íslensku ferskvatni fyrir fyrstu greiningu sjúkdómsins
	E61	Birkir Þór Bragason	Tjáning ónæmisgena í þorski á fyrstu stigum sýkingar með kýlaveikibróðurbakteríu
	E62	Jón Einar Jónsson	Æðarkolludauðinn í Rifi 2014-2015
	E63	Lilja Þorsteinsdóttir	Gammaherpesveirur hjá merum og folöldum þeirra. Sýkingarferill fyrstu tvö æviárin
	E64	Ute Stenkewitz	Details on the parasite community of Icelandic rock ptarmigan and their potential impact on population dynamics
			Landfræði tegunda / Biogeography

L5	E65	Camille A. Leblanc	The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves in Iceland
	E66	Haraldur R. Ingvason	Fiskar á fjöllum – Smábleikjur í vötnum á Ófeigsfjarðarheiði
	E67	Sigurður Már Einarsson	Umhverfisþættir og útbreiðsla laxfiska á vestanverðum Vestfjörðum
	E68	Pétur Halldórsson	Himbrimastofninn á Íslandi ( <i>Gavia immer</i> ).
	E69	Snæbjörn Pálsson	Undirtegundir á norðlægum slóðum: greining á útlitsbreytileika vaðfugla
	E70	Óskar Sindri Gíslason	Re-markable crabs
			Vistfræði / Ecology
L6	E71	Erpur Snær Hansen	135 year time series of Atlantic Puffin harvest is negatively correlated to sea surface temperature: A function of population control by temperature dependent metabolic rate of sandeel prey?
	E72	Guðjón Atli Auðunsson	Age estimation of common minke whales ( <i>Balaenoptera acutorostrata</i> ) in Icelandic waters by aspartic acid racemization,- earplug readings of Antarctic minke whales ( <i>B. bonaerensis</i> ) as reference.
	E73	Scott Riddell	Harp seals in the Icelandic Archaeofauna
	E74	Valtýr Sigurðsson	Áhrif síldardauða á lífríki sjávarbotns í Kolgrafafirði
			Vistkerfi jarðhitasvæða / Geothermal ecosystems
L7	E75	Jón S. Ólafsson	Geothermally heated stream ecosystems as model in climate warming studies
	E76	Bruno Gallo	Impacts of warming in sentinel systems: from genes to ecosystems
	E77	Jill R. Welter	Understanding the effect of warming on productivity, species composition, and nutrient cycling in river ecosystems
	E78	Eoin O'Gorman	Temperature dependence of resource availability determines energy flow through food webs

- E79 Louise Archer The effects of environmental temperature and thermal adaptation on predator-prey interactions: a novel approach using a geothermal system
- E80 Dr Rebecca L Kordas Thermal sensitivity and adaptive ability of freshwater macroinvertebrates from geothermally heated streams
- Vistkerfi jarðhitasvæða II / Geothermal ecosystems II
- L8 E81 Ólafur Patrick Ólafsson Migration of brown trout in the Hengladalur geothermally affected stream system
- E82 Daniel P. Govoni Surface and subsurface macroinvertebrate community differences across a thermal gradient in Icelandic streams.
- E83 Robert Dell Enhanced plant growth from an outdoor intensive shallow bottom heat system using waste geothermal hot water and steam condensate
- E84 Bryndís Marteinsdóttir Plant populations in a warmer world: a natural experiment
- E85 Thecla Mutia Elevated levels of sulphur and trace metals revealed in ecosystems in relation to geothermal power plants in Iceland- ecological implications.
- E86 Snædís H. Björnsdóttir The microbial mats of Vonarskarð
- Vistkerfi jarðhitasvæða III / Geothermal ecosystems III
- L9 E87 Viggó Þór Marteinsson Description and comparison of microbial metagenomes in a subglacial lake under the Vatnajökull ice cap, East Skaftárketill
- E88 Pauline Vannier Cultivation methods comparison to grow thermophilic microorganisms from coastal hydrothermal vents
- E89 René Groben Metagenomic analysis of microbial communities at a coastal geothermal area (Reykjanes, NW Iceland)
- E90 Elísabet Eik Guðmundsdóttir Generation and Compositional Analysis of a Metagenome Database from an Intertidal Habitat
- Þróun / Evolution
- L10 E91 Steindór J. Erlingsson Lancelot Hogben (1895-1975) and the false antithesis of heredity vs. environment
- E92 Skúli Skúlason The field of ECO-EVO-DEVO can elevate our understanding of the generation and maintenance of biological diversity

- E93 Hildur Magnúsdóttir Shell phenotype classification of the common whelk (*Buccinum undatum* L.) in Breiðafjörður
- E94 Snæbjörn Pálsson The subspecies status of *Calidris maritima littoralis* (Aves: Charadriiformes: Scolopacidae)
- E95 Kristen Marie Westfall Population genomics of a lichen symbiosis along a climatic gradient
- E96 Sigurður S. Snorrason Phenotypic transgression and depressed growth in hybrids of sympatric Arctic charr morphs

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- L11 E97 Sæmundur Sveinsson Genome permeability between two poplars: the large scale hybrid zone between *Populus balsamifera* and *P. trichocarpa* in British Columbia
- E98 Sophie Steinhäuser Fungal and cyanobacterial gene expression in a lichen symbiosis: Acclimatization and adaptation to temperature and habitat
- E99 Coralie Delarue Importance of plasticity for divergence of threespine stickleback (*Gasterosteus aculeatus*) in Lake Mývatn, Iceland
- E100 Samantha Victoria Beck Egg size variation and its influence on evolutionary diversification in sympatric populations of Icelandic Arctic charr (*Salvelinus alpinus*)
- E101 Zophonías O. Jónsson Identification of a conserved gene expression network associated with egg size variation in Arctic charr
- E102 Eva Kuttner QTL for growth and fillet traits in Arctic charr from Hólar breeding program

Fiskalíffræði / Fish biology

- L12 E103 Guðni Guðbergsson Breytingar á stofnstærðum bleikju og urriða
- E104 Magnús Jóhannsson Langtímarannsóknir fiskstofna í Veiðivötnum á Landmannaafretti
- E105 Christian Beuvarð The effect of temperature on growth and metabolic scope in juvenile Arctic charr, *Salvelinus alpinus* L.
- E106 Elzbieta Baranowska Líffræði skarkolaungviðis í sandfjöru. Áhrif umhverfis og þéttleika á vöxt.