

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

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

Updated Nov. 1st 2015.

For more information about plenary talks, and more on individual presentations, abstracts and coauthors see 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	Spjall um rannsóknarferil
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

- Veggspjöld
- V1 Biomass and species assemblage structure of algae in Hlíðardalslækur, a geothermally affected stream, NE Iceland.
Sigurður Óskar Helgason, Jón S. Ólafsson, Gísli Már Gíslason and Paula C. Furey
- V2 Optimizing pak-choi growth in aquaponics
Ragnar Ingi Danner, Kesara Anamthawat-Jónsson, Ragnheiður Inga Þórarinsdóttir
- V3 Effects of deforestation on springfed stream ecosystems in Iceland
Helena M. Stefansdóttir, Bjarni D. Sigurdsson, Edda S. Oddsdóttir, Brynhildur Bjarnadóttir Gintare Medelyte and Jon S. Olafsson
- V4 Ecology, Evolution and Genomics of the Groundwater Amphipod *Crangonyx islandicus*
Ragnhildur Gudmundsdóttir, Vésteinn Snæbjarnarson, Viggó Marteinnsson, Bjarni K. Kristjánsson, Christophe Douady, Snæbjörn Pálsson
- V5 Ástir og örlög doppa á Reykjaneskaga
Sunna Björk Ragnarsdóttir, Sölvi Rúnar Vignisson, Íris Mýrdal Kristinsdóttir, Gunnar Þór Hallgrímsson, Halldór Pálmar Halldórsson
- V6 Sjálfvirk greining dýrasvífs
Sölvi Rúnar Vignisson, **Haldór Pálmar Halldórsson**, Sólrún Sigurgeirsdóttir, Ástþór Gíslason
- V7 Long-distance migration pattern of Humpback whale (*Megaptera novaeangliae*) from Icelandic waters.
Chosson-P, V. Shears, G. Rasmussen, M. Bertulli, C.G. Stevick, P. Rickert, S. Pampoulie, C. Sigurjónsson, J. Víkingsson, G. A.
- V8 Watching or whaling, sealing or seeing: Tourist perception of marine mammal hunting and watching in Iceland
Elin Lilja Öqvist, Sandra Granquist, Anders Angerbjörn
- V9 Seal watching management: Codes of conduct as a management tool for conservation
Elin Lilja Öqvist, Sandra Granquist, Georgette Leah Burns, Anders Angerbjörn
- V10 FORHOT - Short- and long term natural soil warming in natural grasslands in Iceland
Niki I. W. Leblans, Bjarni D. Sigurdsson and Ivan A. Janssens
Impact of soil temperature and N enrichment on soil carbon and ecosystem structure and function in Icelandic grasslands
- V11 **Steven Dauwe**, Bjarni D. Sigurdsson, Ivan A. Janssens
- V12 The ForHot experiment: Effects of natural soil warming gradients on ecosystem structure and function
Bjarni D. Sigurdsson, Edda S. Oddsdóttir, Theodóra Ragnarsdóttir, Brynhildur Bjarnadóttir, Ivika Ostonen, Krassimira Ilieva-Makulec, Christian Körner, Niki Leblans, Steven Dauwe, Ivan A. Janssens
Annual height and volume increment of mature Norway spruce trees grown for three years in elevated [CO₂] at ambient and elevated air temperature and contrasting nutrient availability
- V13 **Bjarni D. Sigurdsson**, Jane L. Medhurst, Olafur Eggertsson, Sune Linder
- V14 Jarðvegshiti og hitaþol plöntutegunda
Elín Guðmundsdóttir, Úlfur Óskarsson, Ásrún Elmarsdóttir
- V15 Er hægt að eyða lúpínu? Niðurstöður samanburðartilraunar í Stykkishólmi
Kristín Svavarsdóttir, Ása L. Aradóttir, Menja von Schmalensee, Anne Bau og Róbert A. Stefánsson
- V16 Breytingar á gróðurfari í kjölfar sauðfjárbeitar á lúpínubreiður
Ása L. Aradóttir, Inga Vala Gísladóttir
- V17 Samspil beitar og umhverfis
Jóhann Þórsson
- V18 Lítil sauðfjárbeita á lítt grónu landi – hefur hún áhrif á sjálfræðslu lands?
Bryndís Marteinsdóttir, Þóra Ellen Þórhallsdóttir og Kristín Svavarsdóttir

- V19 Effect of LEDs on red colouring and yield of red winter salad
Christina Stadler
- V20 Effect of pruning the clusters, deleafing and interplanting on yield of winter grown tomatoes
Christina Stadler
- V21 The role of bryophytes in subarctic tundra restoration
Ágústa Helgadóttir, Kristín Svavarsdóttir, Rannveig Guicharnaud, Ingibjörg Svala Jónsdóttir
Species from genus *Heracleum* (Apiaceae) in Akureyri (N Iceland): distribution, main sources of spread and identification of priority areas for eradication
- V22
Mariusz Wierzgon, **Pawel Wasowicz**
- V23 Relative importance of abiotic factors and genotype for gene expression of a lichenized fungus
Silke Werth, **Zophonias O. Jónsson**, Ólafur S. Andrésson
- V24 Tilraunaverkefni um burðarplastpokalaust sveitarfélag
Menja von Schmalensee, Theódóra Matthíasdóttir, Róbert A. Stefánsson, Rannveig Magnúsdóttir og Stefán Gíslason
- V25 *Strongyloides stercoralis* found in imported dogs, kennel dogs and household dogs in Iceland
Matthías Eydal, Karl Skírnisson
- V26 Um refa-, rjúpu- og músabandorminn *Mesocestoides canislagopodis* á Íslandi
Karl Skírnisson, Damien Jouet, Ólóf Guðrún Sigurðardóttir, Aðalsteinn Örn Snæbjörnsson, Ólafur Karl Nielsen
- V27 Blóðsníkjudýr í strandfuglum
Kristján Axel Tómasson, Halldór Pálmar Halldórsson, Gunnar Þór Hallgrímsson
- V28 Fuglaflensur á Íslandi
Gunnar Þór Hallgrímsson, Jeffrey S. Hall, Robert J. Dusek
- V29 Sexing adult and fledgling Lesser Black-backed Gulls from morphometrics
Gunnar Thor Hallgrímsson, Halfdan H. Helgason, Elinborg S. Palsdóttir, Snæbjörn Pálsson
- V30 Wintering grounds of Icelandic Arctic Skuas
Gunnar Þór Hallgrímsson, Sölvi Rúnar Vignisson, Yann Kolbeinsson
- V31 Fæðuatferli heiðlóu utan varptíma
Elísa Skúladóttir, Gunnar Þór Hallgrímsson og Tómas Grétar Gunnarsson
- V32 Merkingar á æðarfugli á sjö stöðum á sunnanverðum Breiðafirði
Jón Einar Jónsson, Árni Ásgeirsson
- V33 Notkun hreiðurmyndavéla við æðarhreiður sumrin 2014 og 2015
Árni Ásgeirsson, Aldís Erna Pálsdóttir, Jón Einar Jónsson
- V34 Breytingar á varpi æðarfugls eftir landnám minks í Brokey
Árni Ásgeirsson, Jón Einar Jónsson
- V35 The importance of the marine ecosystem to the American mink
Rannveig Magnúsdóttir, Menja von Schmalensee, Róbert A. Stefánsson, Kirsten Liden, & David W. Macdonald
- V36 Trends in bryozoan zooid size along environmental gradients in Icelandic waters
Gudmundur Gudmundsson, Anna Stepien, Piotr Kuklinski, Maria Wlodarska Kowalczyk, Malgorzata Krzeminska
- V37 Unravelling shell trait variation in the common whelk (*Buccinum undatum* L.)
Kristen Marie Westfall, **Hildur Magnúsdóttir**, Zophonías O. Jónsson, Snæbjörn Pálsson og Erla Björk Örnólfsdóttir
- V38 Effects of group size on sleep in zebrafish
Kolbeinsdóttir, M, Lejnowski, D, Þorsteinsson, H & Karlsson, KÆ
Kinase Inhibitor Effects on Sleep-Wake parameters in Larval zebrafish: HT Screen Using the SYNLibrary 190 Library
- V39

- Srdanovic, S.**, Þorsteinsson, H., Ágústsdóttir A.B., & Karlsson, K.Æ.
- V40 Validation of a novel non-invasive method to assess respiratory effort
Serwatko M, Agustsson J.S, Torfason R, Hoskuldsson S, Karlsson Karl Æ., Gislason, T, Arnardóttir E.S.
- V41 Estimated age of the Norway lobster (*Nephrops norvegicus*) using gastric ossicular growth-band counts.
Sigurvin Bjarnason, Jónas P. Jónasson, Guðrún Marteinsdóttir, Raouf Kilada
- V42 Vaxtarrými Evrópuhumars (*Homarus gammarus*) við ólíkar eldisaðstæður
Soffía Karen Magnúsdóttir, Halldór Pálmar Halldórsson, Sölvi Rúnar Vignisson, Sunna Björk Ragnarsdóttir, Hermann Dreki Guls, Ragnheiður Inga Þórarinsdóttir
- V43 Hve hratt vaxa kóralþörungur?
Karl Gunnarsson, Kristinn Guðmundsson, Sólveig R. Ólafsdóttir, Alice Benoit Cattin Breton
Effects of Chemical Mutagenesis and Adaptive Evolution on the Marine Diatom *Phaeodactylum tricornutum* for Enhanced Carotenoid Accumulation
- V44
Zhiqian Yi, Maonian Xu, Manuela Magnúsdóttir, Yuetuan Zhang, Sigurdur Brynjólfsson, Weiqi Fu
The dissemination of the invasive diatom *Didymosphenia geminata* in subpolar oceanic climate – a case study from Iceland
- V45
Vaiva Cypaite, Ingi Rúnar Jónsson, Jón S. Ólafsson, Nadja Ognjanova and David Finger
Trophic interactions of mackerel (*Scombrus scomber*) and herring (*Clupea harengus*) on the Icelandic shelf – a study of diet using stable nitrogen and carbon isotopes.
- V46
Cecilia E. K. Kvaavik, Guðmundur J. Óskarsson, Jonathan Grabowski, Hildur Pétursdóttir, Anna Kristín Daníelsdóttir and Guðrún Marteinsdóttir
- V47 Effect of heating up a stream on insect emergence
Aron D. Jónasson, Gísli Már Gíslason
- V48 The development of *Sphyrion lumpi* infections on *Sebastes mentella* in Icelandic waters from 1995 to 2013
Ásthildur Erlingsdóttir, Kristján Kristinsson, Guðrún Marteinsdóttir, Mark Freeman, Árni Kristmundsson
- V49 Proliferative kidney disease (PKD) – the cause for declining stocks of arctic charr, *Salvelinus alpinus*, in Iceland?
Fjóla Rut Svavarsdóttir, Þórólfur Antonsson, Mark Freeman, Friðþjófur Árnason, Árni Kristmundsson
- V50 Diel activity and growth of Arctic charr in contrasting stream habitats
Nicolas Larranaga, Frédéric Hadi, Stefán Óli Steingrímsson
- V51 A test of parallelism in the axes of morphological and ecological divergence in Arctic charr
Matthew K Brachmann, Kevin Parsons, Skuli Skulason, Moira Ferguson
Relationship between egg size, metabolic rate, growth and personality traits of individuals in divergent populations of Salmonids
- V52
Louise Vernier, Samantha V. Beck, Anett Reilent, David Benhaim, Bjarni K. Kristjánsson & Camille A.-L. Leblanc
- V53 Mechanisms of pre-zygotic reproductive isolation in sympatric Arctic charr morphs
Hrefna Sigurjónsdóttir, Kalina H. Kapralova
- V54 The effect of hatching on Arctic charr craniofacial morphology
Kalina Hristova Kapralova, Zophonías O. Jónsson, Arnar Pálsson, Sigríður Rut Franzdóttir, Soizic Le Deuff, Bjarni K. Kristjánsson, Sigurður S. Snorrason
- V55 Arctic charr head development: miR-206 and its targets *tnnc* and *tmyo*
Drífa Hrund Guðmundsdóttir, Kalina H. Kapralova, Zophonías O. Jónsson
- V56 The developmental transcriptome of contrasting Arctic charr (*Salvelinus alpinus*) morphs
Johannes Gudbrandsson, Arnar Pálsson, Ehsan Ahi, Sigríður Franzdóttir, Kalina Kapralova, Bjarni Kristjánsson, Sophie Steinhäuser, Valerie Maier, Sigurdur Snorrason, Zophonias Jonsson
Validation and functional analysis of predicted miRNA-mRNA target pairs and associative expression data relating to Arctic charr morphotype differences
- V57
Sigríður Rut Franzdóttir, Kalina H. Kapralova, Ingi Björn Ómarsson, Ásrún María Óttarsdóttir, Zophonías O. Jónsson
- V58 Studies on Antimicrobial peptides and iNOS gene expression: candidate tools for marker selection

Miriam Guadalupe Contreras Mostazo

V59 Contrasting phylogeographic histories using mitochondrial DNA and RADSeq data of a groundwater amphipod (*Crangonyx islandicus*) that survived Ice age in Iceland.

Eme David, Westfall Kristen M., Kristjánsson Bjarni K., Pálsson Snæbjörn

V60 High levels of gene flow and temporal genetic variation in Atlantic cod *Gadus morhua* in Icelandic waters — inferred by mitochondrial DNA sequence variation

Guðni Magnús Eiríksson, **Einar Árnason**

V61 Genetic divergence of *Troglodytes troglodytes islandicus* from other subspecies of Eurasian Wren in Northwestern Europe

Julien Amouret, Derek AG Barisas, Gunnar Thor Hallgrímsson, Ron W Summers & **Snæbjörn Pálsson**

V62 The subspecies status of *Calidris maritima littoralis* (Aves: Charadriiformes: Scolopacidae)

Derek Barisas, Julien Amouret, Gunnar Þór Hallgrímsson, Ron Summers, and **Snæbjörn Pálsson**

V63 Effects of low levels of estrogen on gene expression during zebrafish larval head development

Ehsan Pashay Ahi, Benjamin S. Walker, Christopher S. Lassiter, Zophonías O. Jónsson

V64 Population structure and variation in disease associated SNPs in *Penaeus monodon* along the Bangladesh coast
M. M. Mahbub Alam, **Kristen M. Westfall**, Snæbjörn Pálsson

V65 Pontin and Reptin are required for *Drosophila melanogaster* nervous system development

Kristín E. Alansdóttir, Arnar Þór Björgvinsson, Zophonías O. Jónsson, Sigríður Rut Franzdóttir

V66 Náttúrulegur breytileiki í stjórnröðum evenskipað gensins

Arnar Pálsson, Michael Z Ludwig, Martin Kreitman

V67 Freeze dried platelets lysates from expired platelet concentrates support growth and differentiation of mesenchymal stem cells

Helena Montazeri, Kristján Torfi Örnólfsson, Hildur Sigurgrímsdóttir, Sandra Mjöll Jónsdóttir, Ólafur E. Sigurjónsson

V68 Effects of pathogen inactivation on platelet metabolism

Freyr Jóhannsson, Óttar Rolfsson, Ólafur Eysteinn Sigurjónsson, Steinn Guðmundsson,

V69 A Combined Computational and Experimental Approach to Characterize Metabolic Proteins

Sreekala Syamala Kumary, Ottar Rolfsson, Steinn Gudmundsson

V70 Modelling the metabolism of human endothelial dysfunction.

Sarah McGarrity, Haraldur Halldórsson, Sirus Pálsson, Pär Johansson, and Ottar Rolfsson

V71 Molecular signaling pathways alter metabolic fate in the epithelial to mesenchymal transition (EMT) in breast epithelial cells: A systems level approach

Sonal Kumari, Neha Rohatgi, Skarphéðinn Halldórsson, Steinn Gudmundsson and Óttar Rolfsson

V72 Comparison of non-tumorigenic and tumorigenic EMT in breast epithelial stem cells

Erika Morera, Þórarinn Guðjónsson, Magnus Karl Magnússon

V73 Telomere length and dysfunction in normal breast tissue from BRCA2 mutation carriers and sporadic breast cancer cases

Birna Þorvaldsdóttir, Beth A. Cimini, Morgan E. Diolaiti, Margrét Aradóttir, Katrín Ólafsdóttir, Jón G. Jónasson, Elizabeth H. Blackburn, Jórunn E. Eyfjörð

V74 The Role of ALKBH3 in Epigenetics, DNA Repair, and Breast Cancer

Stefán Þór Hermanowicz, Ólafur Andri Stefánsson, Þorkell Guðjónsson, Jórunn Eyfjörð, Stefán Sigurðsson

V75 Biochemical characterization of RAD26 and its function in transcription-coupled nucleotide excision repair (TC-NER)

Antón Ameneiro-Álvarez, Stefán Þórarinn Sigurðsson

V76 The role of microRNA in TCEA1 expression.

Linda Hrönn Sighvatsdóttir, Sigrún Guðjónsdóttir, Stefán Sigurðsson

V77 Characterizing the potential role of USPL1 in the response to DNA damage

Þorkell Guðjónsson, Claudia Lukas, Jiri Lukas and Stefán Sigurðsson

- V78 Transcriptional enhancers and long non-coding RNAs in MGUS and multiple myeloma
Kimberley J Anderson, Jón Þór Bergþorsson, Margrét S Steinarsdóttir, Sigurður Y. Kristinsson, Erna Magnúsdóttir
- V79 The long range interactions of the IRF4 promoter in myeloma and melanoma
Kristján Hólm Grétarsson, Dilixiati Remina, Eiríkur Steingrímsson, Erna Magnúsdóttir
- V80 Analysis of isoform expression of MIT/TFE transcription factor family members in melanoma cells
Ásgeir Örn Arnpórsson, Ingibjörg Sigvaldadóttir, Kátrín Möller, Sara Sigurbjörnsdóttir, Margrét H. Ögmundsdóttir and Eiríkur Steingrímsson
- V81 Unraveling the role of MITF in the central nervous system.
Atacho, D.A.M., Ukmar, M., Petursdottir, A.Th., Steingrimsson, E., Petersen, P.H.
- V82 Meningeal melanocytes in the mouse: Distribution and dependence on Mitf
Stefán Árni H. Gudjohnsen, Diahann Atacho, Franck Gesbert, Graca Raposo, Ilse Hurbain, Lionel Larue, Eiríkur Steingrímsson, **Petur Henry Petersen**
- V83 Characterizing the subcellular localization of Microphthalmia-associated transcription factor in melanoma
Sigurdur R. Gudmundsson, **Valerie Fock**, Alexander Schepsky, Sandra Diebel, Indridi E. Reynisson, Margret H. Ogmundsdottir and Eiríkur Steingrímsson
- V84 MITF dependent transcriptional network in melanoma and melanocyte
Remina Dilixiati, Eiríkur Steingrímsson, Erna Magnúsdóttir
- V85 The role of V-ATPases in melanoma and their regulation by MITF
Sara Sigurbjörnsdóttir, Kátrín Möller, Vésteinn Þórsson, Margrét Helga Ögmundsdóttir og Eiríkur Steingrímsson
- V86 Signaling pathways that mediate phosphorylation at SER73 and SER409 of MITF
J. Ballesteros, M. H. Ögmundsdóttir, B. Phung, L. Rönnstrand, E. Steingrímsson
- V87 Cell based assays as a tool in the search for cosmeceuticals
Hilma Eiðsdóttir Bakken, Eva Kuttner, Hörður G. Kristinsson
- V88 Thermostable alginate lyases
Bryndís Björnsdóttir, Justyna M. Dobruchowska, Ólafur H. Friðjónsson, Johannis P. Kamerling, Josef Altenbuchner, Hilde Watzlawick and Guðmundur Ó. Hreggviðsson
- V89 Genome-scale metabolic reconstruction of the thermophilic bacterium *Rhodothermus marinus*
Þórdís Kristjánsdóttir, Steinn Guðmundsson, Snædís Björnsdóttir, Edda Olgudóttir, Birkir Reynisson, Ólafur Friðjónsson, Sigurður Brynjólfsson og Guðmundur Óli Hreggviðsson
- V90 Novel bacterial species from intertidal, geothermal areas in Iceland - a potent source of bioactive compounds
Edda Olgudóttir, Sólveig K. Pétursdóttir, Sólveig K. Ólafsdóttir, Ólafur H. Friðjónsson, Beata Wawiernia, Elísabet E. Guðmundsdóttir, Sigmar K. Stefánsson, Snædís H. Björnsdóttir Guðmundur Ó. Hreggviðsson
- V91 MASE - Mars Analogues for Space Exploration (<http://www.mase-eu.org>)
Viggó Þór Marteinnsson, Pauline Vannier and the MASE team.
Bioprospecting for Glycohydrolase- and 1,2-Propanediol-producing Microbes from Geothermally Heated Intertidal Pools in Northern Iceland
- V92
Pia Iloranta, Jon Petur Joelsson, Sean Michael Scully, Johann Orlygsson
- V93 Biotechnological Potential of *Clostridium* AK1 – A Novel, Moderately Thermophilic Anaerobe
Eva Maria Ingvadottir, Sean Michael Scully, Johann Orlygsson
- V94 Bioprospecting psychrotrophic sphingomonads for hydrocarbon degradation
Heiða B. Friðjónsdóttir, Oddur Vilhelmsson
- V95 Bacterial microbiota of rock ptarmigan in Iceland
Máney Sveinsdóttir, Deepika Dhamoradan, Sudharsan Sreenivas, Santhalingam Elamurugan, Oddur Vilhelmsón, Ólafur K. Nielsen and Kristinn P. Magnússon
- V96 Genome genotyping of ptarmigans using ddRAD
Máney Sveinsdóttir, Kristen Marie Westfall, Zophonías Ó Jónsson, Páll Melsted, Ólafur K Nielsen, Kristinn P Magnússon

- V97 Vanadín-háð niturnám í blágrænbakteríum og fléttum.
Rúna Björk Smáradóttir, Stefan Bartram, Ana J. Russi Colmenares og Ólafur S. Andrússon
 N fixing activity in moss associated cyanobacteria in response to grazing and experimental warming in Tundra ecosystems
- V98
Ana J. Russi, Ólafur S. Andrússon, Ingibjörg S. Jónsdóttir
- V99 Hvernig viðhelst mæði-visnuveira í kindinni þrátt fyrir öflugt ónæmissvar?
Hallgrímur Arnarson, Arnar Pálsson, Margrét Guðnadóttir, Valgerður Andrúsdóttir
- V100 New PCR primers for flavobacteria and tenacibaculum species based on 16s rRNA gene sequencing
Guðbjörg Guttormsdóttir, Sigríður Hjartardóttir, Þorbjörg Einarsdóttir
- V101 Scrapie control in Iceland – past and present
Stefanía Þorgeirsdóttir og Auður L. Arnþórsdóttir
- K1 Hið Íslenska Náttúrufræðifélag
 Hið Íslenska Náttúrufræðifélag
- K2 Hvatinn: íslenskur vísindafjölmiðill
Anna Veronika Bjarkadóttir og **Edda Olgudóttir**
- K3 Rannsóknastöðin Rif á Raufarhöfn
Þorkell Lindberg Þórarinsson, Embla Eir Oddsdóttir, Starri Heiðmarsson, Hlynur Óskarsson, Niels Árni Lund

Listi yfir erindi / List of talks

- Erindi
- F1 Atferli I / Behavior I Fundarstjóri / chair Stefán Óli Steingrímsson
- E1 Phenotypic variability in behaviour, diet and morphology of a cave dwelling population of small benthic charr (Salvelinus alpinus)
Sigurður H. Árnason, Camille Leblanc, Skúli Skúlasson, Bjarni K. Kristjánsson
- E2 Density-dependent diel activity in stream-dwelling Arctic charr
 Amy Fingerle, Nicolas Larranaga, **Stefán Óli Steingrímsson**
 Intra- vs Inter-population effects of temperature on the temporal and spatial behaviour of a stream-dwelling fish
- E3
Nicolas Larranaga, Stefán Óli Steingrímsson
- E4 Botntaka humars í Fundyflóa: Ferlar og mynstur
Guðjón Már Sigurðsson, M. John Tremblay, Rémy Rochette
- E5 Áhrif varptíma æðarfugls á tíðni afráns hreiðra
Aldís Erna Pálsdóttir, Jón Einar Jónsson, Róbert Arnar Stefánsson, Árni Ásgeirsson
- F2 Atferli II / Behavior II Fundarstjóri / chair William Butler
- E6 On the determinants of social behavior in adult horses: the importance of individual and group characteristics
Hrefna Sigurjónsdóttir and Martine Hausberger
- E7 Migration and local movements of humpback whales in Icelandic and adjacent waters.
Gísli Víkingsson, Mads Peter Heide-Jørgensen
- E8 A large hydrophone array to localize vocalizing blue whales (Balaenoptera musculus) in Skjálfandi Bay, Iceland
Marianne Rasmussen, Magnus Wahlberg, Henriette Schack, Nina Bircher, Maria Iversen, Ursula Sierbert
- E9 Can proximate cue-based rules produce optimal behavioural responses in a complex environment?
W.E. Butler, C. Jørgensen, A.F. Opdal, N. Fouzai, G. Marteinsdóttir, Ø. Fiksen

- F3 Fjölbreytni lífríkis / Biodiversity Fundarstjóri / chair Hrönn Egilsdóttir
- E10 Biological diversity in Icelandic groundwater fissures
Jónína Herdís Ólafsdóttir, Jón S. Ólafsson og Bjarni Kristófer Kristjánsson
- E11 The species richness and biodiversity of benthic molluscs around Iceland
Hrönn Egilsdóttir, Niall McGinty, Jón Ólafsson, Guðmundur Guðmundsson
- E12 Macroinvertebrate biodiversity in Icelandic freshwater springs
Agnes-Katharina Kreiling, Bjarni K. Kristjánsson, Árni Einarsson, Jón S. Ólafsson
- E13 Diversity of threespine stickleback in the dynamic Lake Mývatn Iceland
Bjarni K. Kristjánsson, Árni Einarsson and Katja Räsänen
- E14 Áður óþekktar tegundir smásærra sníkjudýra í lagardýrum - Lýsing þeirra og vandamál við nafngift tegundanna
Árni Kristmundsson, Mark A. Freeman

- F4 Umhverfislífræði I / Environmental biology I Fundarstjóri / chair Hildur Magnúsdóttir
- E15 Gagnasöfn og gegnsæi – uppbygging vísindasafna 21. aldar
Starri Heiðmarsson, Þorleifur Eiríksson
- E16 Aðgerðir gegn ágengum plöntum
Róbert A. Stefánsson og Menja von Schmalensee
- E17 Af humarveiðum og ráðgjöf
Jónas Páll Jónasson, Guðmundur Þórðarson og Hrafnkell Eiríksson
- E18 Er hægt að hafa hemil á Alaskalúpínunni?
Þorvaldur Örn Árnason
- E19 Impacts of SCUBA Divers in the Silfra Freshwater Fissure: Ecological Disturbance and Management
Jóhann Garðar Þorbjörnsson, Bjarni Kristófer Kristjánsson

- F4 Umhverfislífræði I / Environmental biology I Fundarstjóri / chair Hildur Magnúsdóttir
- E20 Treasure tundra – Bioprospecting lichens, highland desert soils, and glacial river water for cold-active bioremediators
M. Auður Sigurbjörnsdóttir, Heiða B. Friðjónsdóttir, Guðný V. Þorsteinsdóttir, **Oddur Vilhelmsson**
- E21 Non-native plants in the vascular flora of highland and mountain areas of Iceland
Pawel Wasowicz
- E22 Insect Herbivory on Native and Introduced Hosts: The Case of the Red-backed Cutworm
Mariana Tamayo, Guðmundur Halldórsson
- E23 Pollinator diversity in native heath and alien Nootka lupine stands in Iceland
Jonathan Willow, Mariana Tamayo, Magnús Jóhannsson

- F6 Sauðfjárbætur / Sheep grazing Fundarstjóri / chair Isabel C. Barrio
- E24 The ecological role of large vertebrate grazers in high-latitude ecosystems – is it different between livestock and wild populations?
Ingibjörg Svala Jónsdóttir and Isabel C. Barrio
- E25 Historical impact of grazing in Kjarardalur, West Iceland
Egill Erlendsson, Guðrún Gísladóttir
- E26 Plant diversity in Icelandic tundra – no evidence for an effect even 60 years after cessation of sheep grazing
Martin A. Mörsdorf, Virve T. Ravolainen, Nigel Gilles Yoccoz, Þóra Ellen Þórhallsdóttir, Ingibjörg Svala Jónsdóttir
- E27 Ástand lands, beit og mælanlegir vistkerfisþætti
Ólafur Arnalds

- E28 Tengsl átgetu og þrifa sauðfjár við ástand gróðurs og beitarálag
Sigbrúður Jonsdóttir
- Hringborðsumræður um sauðfjárbeit / Roundtable discussions on sheep grazing
 Björn H. Barkarson, umhverfisráðuneytið, Egill Erlendsson, HÍ, Jóhann Þórsson, Landgræðsla ríkisins, Oddný Steina Valsdóttir, Landssamband sauðfjárbænda, Ólafur Arnalds, Landbúnaðarháskóli Íslands, Þór Kárason, bóndi, Þóra Ellen Þórhallsdóttir, HÍ, Þórólfur Matthíasson, HÍ og Þórunn Pétursdóttir, Landgræðsla ríkisins.
- F7 Þroskunarfræði / Developmental biology Fundarstjóri / chair Erna Magnúsdóttir
- E29 The unique role of EGFL7 in human embryonic stem cells.
Anne Richter, Ellen Dagmar Björnsdóttir, Tobias Roland Richter, Gudrun Valdimarsdóttir
 Developmental roles and intracellular dynamics of Pontin and Reptin in the Drosophila melanogaster nervous system
- E30 **Sigríður Rut Franzdóttir**, Zophonías O. Jónsson, Kristín E. Alansdóttir, Arnar Þór Björgvinsson
 Differential expression of genes in the aryl hydrocarbon receptor pathway associates with craniofacial polymorphism in sympatric Arctic charr
- E31 **Ehsan Pashay Ahi**, Sophie S. Steinhäuser, Arnar Pálsson, Sigríður R. Franzdóttir, Sigurdur S. Snorrason, Valerie H. Maier, Zophonías O. Jónsson
- E32 Role of miRNAs and their targets in Arctic charr morphogenesis
 Kalina H. Kapralova, Hákon Jónsson, Sigríður Rut Franzdóttir, Ehsan Pashay Ahi, Valerie Maier, Arnar Pálsson, Sigurður S. Snorrason and Zophonías O. Jónsson
- E33 Kortlagning á breytingum á micro RNA við geymslu á blóðflögum með og án örveruóvirkjunar.
Níels Árni Árnason, Ragna Landrö, Björn Harðarson, Sveinn Guðmundsson, Óttar Rolfsson, Ólafur E. Sigurjónsson
- F8 Sameindalíffræði I / Molecular biology Fundarstjóri / chair Sigurður Ingvarsson
- E34 Mass spectrometry based systems biology approaches to understand human cell biochemistry.
Óttar Rolfsson, Manuela Magnúsdóttir, Skarphéðinn Halldórsson, Ólafur E. Sigurjónsson and Steinn Guðmundsson
- E35 The role of the Microphthalmia associated transcription factor in autophagy regulation in melanoma
Katrín Möller, Sara Sigurbjörnsdóttir, Remina Dilixiati, Sólveig H. Brynjólfssdóttir, Lionel Larue, Vésteinn Þórsson, Eiríkur Steingrímsson, Margrét H. Ögmundsdóttir
- E36 Exploring the epigenome of cancer cells
Ólafur Andri Stefánsson
- E37 Breast Cancer Survival, Prognostic Factors and Treatment in BRCA2 Mutation Carriers
Laufey Tryggvadóttir, Jon G Jonasson, Ólafur A Stefansson, Oskar T Johannsson, Helgi Sigurdsson, Bjarni A Agnarsson, Gudridur H Olafsdottir, Kristin K Alexiusdottir, Hrefna Stefansdottir, o.fl.
- F9 Ónæmisfræði I / Immunology Fundarstjóri / chair Guðbjörg Guttormsdóttir
- E38 A bacterial beta-transglucosidase - a true beta-glucan branching enzyme
Guðmundur Hreggviðsson, Jon Oskar White, Ólafur H. Friðjónsson, Justyna Dobruchowska, Hans Kamerling
- E39 In vitro effects of different innate-immune stimulants on CHSE-214 cell line.
Rosana A. Estévez
 Antimicrobial peptides and iNOS defense role mechanism against bacteria and virus infections due to different immunostimulants
- E40 **Miriam Guadalupe Contreras Mostazo**
- E41 Víf prótein mæði-visuveiru
Valgerður Andrésdóttir, Sigríður Rut Franzdóttir, Stefán Ragnar Jónsson, Ólafur S. Andrésón
- E42 Víf prótein mæði-visuveiru hefur áhrif á sjálfsát í makrófögum

Aðalbjörg Aðalbjörnsdóttir, Stefán R. Jónsson, Margrét H. Ögmundssdóttir, Valgerður Andrésdóttir

- L1 Sameindalíffræði II / Molecular biology Fundarstjóri / chair Ólafur Andri Stefánsson
- E43 Northern Lights Assay: A Versatile Method for Comprehensive Detection of DNA Damage
Bjarki Guðmundsson, Hans G. Pormar, Albert Sigurðsson, Wendy Dankers, Margrét Steinarsdóttir, Davíð Ólafsson, Anna M. Halldórsdóttir, Jón J. Jónsson
- E44 Virkni Hif1-umritunarpáttar við mismunandi styrkleika súrefnis
Daniel E. Foxler, Katherine S. Bridge, **Sigurður Ingvarsson**, Tyson V. Sharp
- E45 Functional role of MUC5B polymorphism in airway epithelial differentiation and Idiopathic pulmonary fibrosis
Amaranta U. Armesto, Ari J. Arason, Thorarinn Gudjonsson, Magnus K. Magnusson.
- E46 Íðorðasafn og myndun nýrra íðorða í lífvísindum
Einar Lövdahl Gunnlaugsson, Ágústa Þorbergsdóttir, Erna Magnúsdóttir
- E47 Bioprospecting viral (meta)-genomes for molecular enzymes
Fridjonsson OH, Hreggvidsson GO, Ævarsson A, Skírnisdóttir S, Hjörleifsdóttir S, Thorisdóttir A, Pétursdóttir S, o.fl.
- E48 Engineering of a thermoanaerobe for macroalgal carbohydrate utilization
Bryndís Björnsdóttir, Ólafur H. Friðjónsson, Sidsel Markussen, Nils Dyrset, Jóhann Örlygsson, Sean Scully and Guðmundur Ó. Hreggvidsson

- L2 Ónæmisfræði II / Immunology II Fundarstjóri / chair Ásthildur Erlingsdóttir
- E49 Sumarexem í hestum: myndun á sérvirku mótefnasvari eftir meðhöndlun um munn með byggi sem tjáir ofnæmisvaka
Sigríður Jónsdóttir, Sara Björk Stefánsdóttir, Vilhjálmur Svansson, Eliane Marti, Einar Mäntylä, Jón Már Björnsson, Auður Magnúsdóttir, Ómar Gústafsson og Sigurbjörg Þorsteinsdóttir
- E50 Bólusetning gegn sumarexemi: Prófun á sérvirkri mótefnasvörum á endurröðuðum ofnæmisvökum framleiddum í byggi
Sæmundur Bjarni Kristínarson, Sara Björk Stefánsdóttir, Sigríður Jónsdóttir, Vilhjálmur Svansson, Jón Már Björnsson, Arna Rúnarsdóttir og Sigurbjörg Þorsteinsdóttir
- E51 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
Audur Anna Aradóttir Pind, Stefanía P. Bjarnarson, Giuseppe Del Giudice, Ingileif Jónsdóttir
- E52 Effects of Blue Lagoon treatment on the expression of LL37 in the skin of plaque psoriasis patients
Eva Ösp Björnsdóttir, Guðmundur Bergsson, Helga Kristín Einarsdóttir, Jenna Huld Eysteinsdóttir, Bjarni Agnarsson, Jón Hjaltalín Ólafsson, o.fl.
- E53 Infections of marine diatoms by zoosporic parasites (Chytridiomycota and Oomycota) in the Húnaflói
Bettina Scholz, Frithjof C. Küpper, Hjörleifur Einarsson, Ulf Karsten
- E54 Biochemical Systems Analysis of Epithelial to Mesenchymal Transition
Skarphéðinn Halldórsson, Neha Rohatgi, Sonal Kumari, Manuela Magnúsdóttir, Thorarinn Gudjonsson, Magnus K. Magnusson, Steinn Gudmundsson and Óttar Rolfsson

- L3 Ónæmisfræði III / Immunology III Fundarstjóri / chair Edda Björk Hafstað
Ármanndóttir
- E55 Smásæ sníkjudýr karfa (Sebastes spp.) við Ísland
Ásthildur Erlingsdóttir, Kristján Kristinsson, Guðrún Marteinsdóttir, Mark Freeman og Árni Kristmundsson
- E56 Hjálparþættir Vif próteina
Stefán Ragnar Jónsson, Aðalbjörg Aðalbjörnsdóttir, Nicky Mietrach, Josh Kane, Reuben S. Harris, Nevan Krogan, Valgerður Andrésdóttir
- E57 Eru sjúkdómsvaldandi stofnar af Pasteurella multocida ólíkir stofnum sem finnast í heilbrigðum sauðfjárlungum?
Þorbjörg Einarsdóttir, Ólöf G. Sigurðardóttir, Einar Jörundsson, Eggert Gunnarsson og Sigríður Hjartardóttir

- Ósérhæft ónæmisviðbragð í laxi og bleikju gegn sýkingu með innanfrumu- bakteríunni *Renibacterium salmoninarum* sem veldur nýrnaveiki í laxfiskum.
Sigríður Guðmundsdóttir, Birkir Þór Bragason, Ívar Örn Árnason
- L4 Sjúkdómar / Diseases Fundarstjóri / chair Sigurbjörg Þorsteinsdóttir
- E59 Veirur sem sýkja hjartavef í laxi
Heiða Sigurðardóttir, Birkir Þór Bragason, Sigríður Guðmundsdóttir
- E60 Tilvist *Tetracapsuloides bryosalmonae*, orsakavalds PKD-nýrnasýki, í íslensku ferskvatni fyrir fyrstu greiningu sjúkdómsins
Fjóla Rut Svavarsdóttir, Mark A. Freeman, Þórólfur Antonsson, Friðþjófur Árnason, Árni Kristmundsson
- E61 Tjáning ónæmisgena í þorski á fyrstu stigum sýkingar með kýlaveikibróðurbakteríu
 Antonella Fazio, Sigríður Guðmundsdóttir, Ívar Örn Árnason, Bergljót Magnadóttir, Caterina Faggio, **Birkir Þór Bragason**
- E62 Æðarkolludauðinn í Rifi 2014-2015
Jón Einar Jónsson, Árni Ásgeirsson
- E63 Gammaherpesveirur hjá merum og folöldum þeirra. Sýkingarferill fyrstu tvö æviárin
Lilja Þorsteinsdóttir, Sigurbjörg Þorsteinsdóttir, Vilhjálmur Svansson
- E64 Details on the parasite community of Icelandic rock ptarmigan and their potential impact on population dynamics
Ute Stenkewitz, Ólafur K. Nielsen, Karl Skírnisson and Gunnar Stefánsson
- L5 Landfræði tegunda / Biogeography Fundarstjóri / chair Óskar Sindri Gíslason
- E65 Undirtegundir á norðlægum slóðum: greining á útlitsbreytileika vaðfugla
Snæbjörn Pálsson, Julien Amouret
- E66 Fiskar á fjöllum – Smábleikjur í vötnum á Ófeigsfjarðarheiði
Haraldur R. Ingvason og Finnur Ingimarsson
- E67 Umhverfispættir og útbreiðsla laxfiska á vestanverðum Vestfjörðum
Sigurður Már Einarsson og Jón S Ólafsson
- E68 Himbrimarannsókn á Íslandi
Pétur Halldórsson og Gunnar Thor Hallgrímsson
- E69 Patterns of herbivore diversity in the Arctic—hotspots in a cold spot?
Isabel C Barrio, C.G. Bueno, M. Gartzia, E.M. Soininen, K.S. Christie, J.D.M. Speed, o.fl.
- E70 Re-markable crabs
Óskar Sindri Gíslason, Jónas Páll Jónasson, Snæbjörn Pálsson, Jörundur Svavarsson, Halldór Pálmar Halldórsson
- L6 Vistfræði / Ecology Fundarstjóri / chair Pétur Halldórsson
- E71 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?
Erpur Snær Hansen
- E72 Age estimation of common minke whales (*Balaenoptera acutorostrata*) in Icelandic waters by aspartic acid racemization, - earplug readings of Antarctic minke whales (*B. bonaerensis*) as reference.
Guðjón Atli Auðunsson, Nynne Hjort Nielsen, Bjarki Þór Elvarsson, Gísli A. Víkingsson, Hidehiro Kato, Sverrir Daníel Halldórsson, Þorvaldur Gunnlaugsson, and Steen H. Hansen
- E73 Harp seals in the Icelandic Archaeofauna
Scott Riddell
- E74 Áhrif síldardauða á lífríki sjávarbotns í Kolgrafafirði
Valtýr Sigurðsson, Jón Einar Jónsson, Róbert A. Stefánsson, Erla Björk Örnólfsdóttir, Guðmundur Víðir

Helgason

- L7 Vistkerfi jarðhitasvæða / Geothermal ecosystems Fundarstjóri / chair Bryndís Marteinsdóttir
- E75 Geothermally heated stream ecosystems as model in climate warming studies
Jón S. Ólafsson, Jonathan P. Benstead, Wyatt F. Cross, Benoit L. Demars, o.fl.
- E76 Impacts of warming in sentinel systems: from genes to ecosystems
Guy Woodward, **Bruno Gallo**, Eoin O'Gorman, Rebecca Kordas, Jón Olafsson, Gísli Már Gíslason, Nikolai Friberg, Stephen Brooks, Thomas Bell.
Understanding the effect of warming on productivity, species composition, and nutrient cycling in river ecosystems
- E77 **J.R. Welter**, W.F. Cross, J.P. Benstead, A.D. Huryn, J.M. Hood, T.W. Williamson, D. Nelson, P.C. Furey, J.R. Junker, P.W. Johnson, J.S. Olafsson, G.M. Gíslason
- E78 Temperature dependence of resource availability determines energy flow through food webs
Eoin O'Gorman, Lei Zhao, Dan Reuman, Guy Woodward
The effects of environmental temperature and thermal adaptation on predator-prey interactions: a novel approach using a geothermal system
- E79 Louise Archer, Bruno Gallo, Rebecca L. Kordas, Björn C. Rall, Esra Sohlström, Eoin J. O'Gorman
- E80 Thermal sensitivity and adaptive ability of freshwater macroinvertebrates from geothermally heated streams
Rebecca L Kordas, Eoin O'Gorman, Guy Woodward, and Samraat Pawar
- L8 Vistkerfi jarðhitasvæða II / Geothermal ecosystems II Fundarstjóri / chair Jón S. Ólafsson
- E81 Migration of brown trout in the Hengladalur geothermally affected stream system
Ólafur Patrick Ólafsson, Gísli Már Gíslason, Guðni Guðbergsson
Surface and subsurface macroinvertebrate community differences across a thermal gradient in Icelandic streams.
- E82 **Daniel P Govoni**, Bjarni Kristófer Kristjánsson, Jón S. Ólafsson, Mark S. Wipfli
Enhanced plant growth from an outdoor intensive shallow bottom heat system using waste geothermal hot water and steam condensate
- E83 R. Dell, C.S. Wei, W. Foley, N. Mitchell, Runar Unnthorsson
- E84 Plant populations in a warmer world: a natural experiment
Bryndís Marteinsdóttir, Johan Ehrlén
Elevated levels of sulphur and trace metals revealed in ecosystems in relation to geothermal power plants in Iceland- ecological implications.
- E85 Thecla Mutia, Thráinn Friðriksson, Sigurður Magnússon and Ingibjörg Svala Jónsdóttir
- E86 The microbial mats of Vonarskarð
Snædís H. Björnsdóttir, Sólveig K. Pétursdóttir, Andri Stefánsson, Nicole S. Keller, Haukur Jóhannesson, Guðmundur Óli Hreggviðsson
- L9 Vistkerfi jarðhitasvæða III / Geothermal ecosystems III Fundarstjóri / chair Ólafur Patrick Ólafsson
- E87 Description and comparison of microbial metagenomes in a subglacial lake under the Vatnajökull ice cap, East Skaftárketill
Viggó Þór Marteinson, Pauline Vannier, Gregory Farrant, Eyjólfur Reynisson, Eric Gaidos and Þorsteinn Þorsteinson
- E88 Cultivation methods comparison to grow thermophilic microorganisms from coastal hydrothermal vents
Pauline Vannier, Maxime Tourte, Eyjólfur Reynisson, Alexandra Klonowski and Viggó Þór Marteinson
- E89 Metagenomic analysis of microbial communities at a coastal geothermal area (Reykjanes, NW Iceland)
René Groben, Eyjólfur Reynisson, Pauline Vannier, Alexandra Klonowski & Viggó Þór Marteinson

E90 Generation and Compositional Analysis of a Metagenome Database from an Intertidal Habitat
Elísabet Eik Guðmundsdóttir, Ólafur H. Friðjónsson, Sigmar K. Stefánsson, Sólveig K. Pétursdóttir, Guðmundur Óli Hreggviðsson

L10 Þróun / Evolution Fundarstjóri / chair Kristen M. Westfall

E91 Lancelot Hogben (1895-1975) and the false antithesis of heredity vs. environment

Steindór J. Erlingsson

E92 The field of ECO-EVO-DEVO can elevate our understanding of the generation and maintenance of biological diversity

Skúli Skúlason, Bjarni K. Kristjánsson, Camille A. Leblanc og Sigurður S. Snorrason

E93 Shell phenotype classification of the common whelk (*Buccinum undatum* L.) in Breiðafjörður
Hildur Magnúsdóttir, Snæbjörn Pálsson, Kristen Marie Westfall, Zophonías O. Jónsson and Erla Björk Örnólfsdóttir

E94 Looking into the past – the reaction of three grouse species to climate change over the last million years using whole genome sequences

Radoslav Kozma, Páll Melsted, **Kristinn P. Magnússon** & Jacob Höglund

E95 Population genomics of a lichen symbiosis along a climatic gradient
Kristen Marie Westfall, Silke Werth, Hörður Guðmundsson, Zophonías Oddur Jónsson, Ólafur Sigmar Andrésen

E96 Phenotypic transgression and depressed growth in hybrids of sympatric Arctic charr morphs
Kalina H. Kapralova, Arnar Pálsson, Bjarni K. Kristjánsson, Zophonías O. Jónsson and Sigurður S. Snorrason

L11 Þróun II / Evolution II Fundarstjóri / chair Kalina H. Kapralova

E97 Genome permeability between two poplars: the large scale hybrid zone between *Populus balsamifera* and *P. trichocarpa* in British Columbia

Sæmundur Sveinsson, Armando Geraldese, Quentin Cronk

E98 Fungal and cyanobacterial gene expression in a lichen symbiosis: Acclimatization and adaptation to temperature and habitat

Sophie Steinhäuser, Silke Werth, Arnar Pálsson, Ólafur S. Andrésen

E99 Importance of plasticity for divergence of threespine stickleback (*Gasterosteus aculeatus*) in Lake Mývatn, Iceland

Coralie Delarue, Bjarni Kristófer Kristjánssoni, Katja Räsänen

E100 Egg size variation and its influence on evolutionary diversification in sympatric populations of Icelandic Arctic charr (*Salvelinus alpinus*)

Samantha, V. Beck, LeBlanc, Camille, Katja, Räsänen, Zophonías, O. Jónsson, Skúli Skúlason, Bjarni, K. Kristjánsson

E101 Identification of a conserved gene expression network associated with egg size variation in Arctic charr

Ehsan Pashay Ahi, Samantha V. Beck, Camille Leblanc, Bjarni K. Kristjánsson, Zophonías O. Jónsson

E102 The interplay between ecology and evolution at small spatial scales: insight from Arctic charr in lava caves in Iceland

Camille A. Leblanc, Katja Räsänen, Sigurður Snorrason, Árni Einarsson, Michael Morrissey, Moira Ferguson, Bjarni K. Kristjánsson, and Skúli Skúlason

L12 Fiskalíffræði / Fish biology Fundarstjóri / chair Jóhannes Guðbrandsson

E103 Breytingar á stofnstærðum bleikju og urriða

Guðni Guðbergsson

E104 Langtímarannsóknir fiskstofna í Veiðivötnum á Landmannaafretti

Magnús Jóhannsson, Benóný Jónsson

E105 The effect of temperature on growth and metabolic scope in juvenile Arctic charr, *Salvelinus alpinus* L.

Christian Beuvar, Helgi Thorarensen

E106 Líffræði skarkolaungviðis í sandfjöru. Áhrif umhverfis og þéttleika á vöxt.

Elzbieta Baranowska, Jónas Páll Jónasson, Björn Gunnarsson og Guðrún Marteinsdóttir