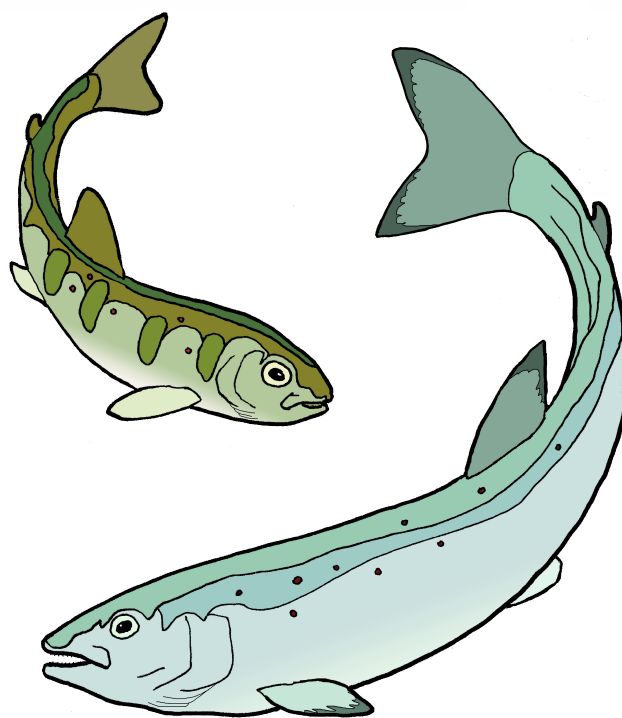




10th International Workshop on Salmon Smoltification
Bergen, Norway
August 14-18, 2017

Supported by:



Norwegian Centres of Expertise
NCE Seafood
Innovation Cluster



CtrlAQUA

For more information contact: Lars Ebbesson (Lars.Ebbesson@uni.no or +46730598600)



Welcome to Bergen!

Below you will find some important information. We will send a more detailed list of places to visit in Bergen as well as some good choices of restaurants and pubs you may want to visit during your stay. If you have any specific questions please do not hesitate to contact us.

Safe travels and we look forward to seeing you all soon!

Cheers,

Lars Ebbesson
Tom Nilsen
Sigurd Handeland
Sigurd Stefansson

Arrival information:

Hotel Aug 14-16: Hotel Scandic Ørnen

How to get there: Take the Airport bus just outside the entrance to the airport and get off at the Bergen bus station (Bergen Storsenter). From here you will need to get on the other side of the 4-lane one-way street to get to the hotel. If you are 4 people or more a taxi will cost about the same as the bus.

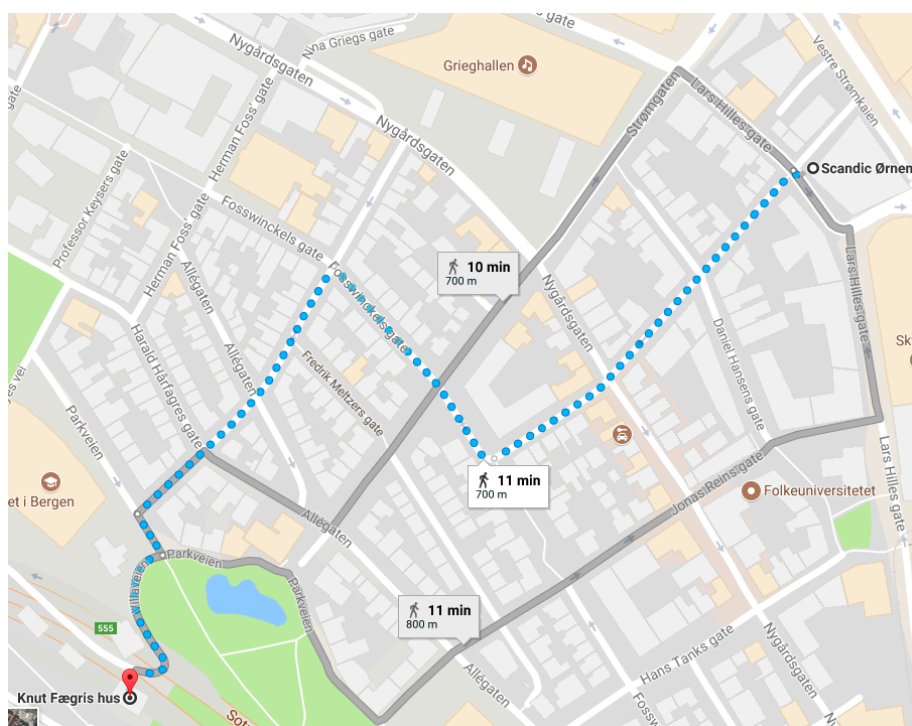
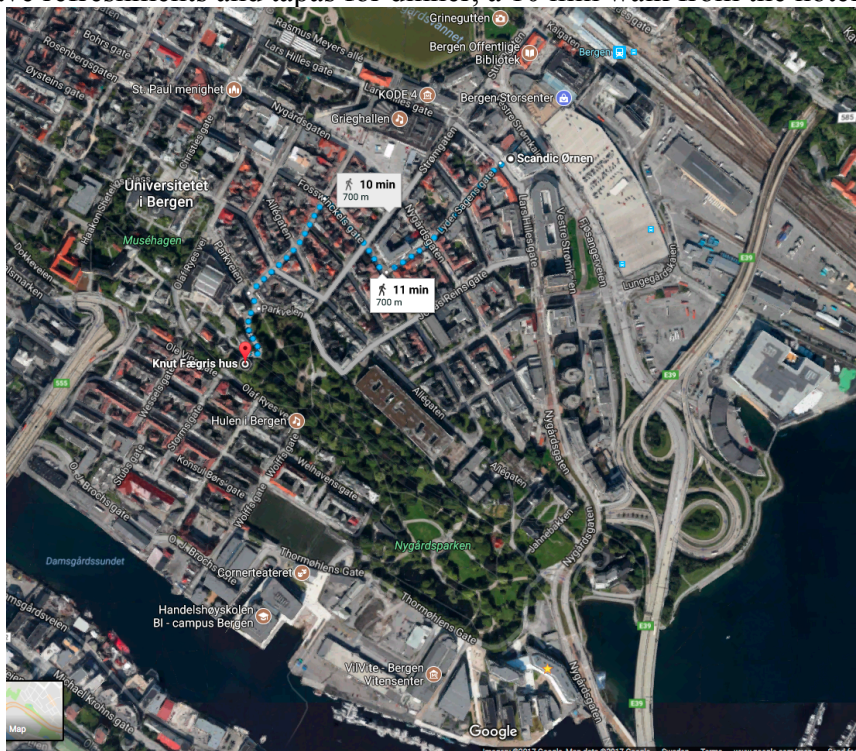
Scandic Ørnen



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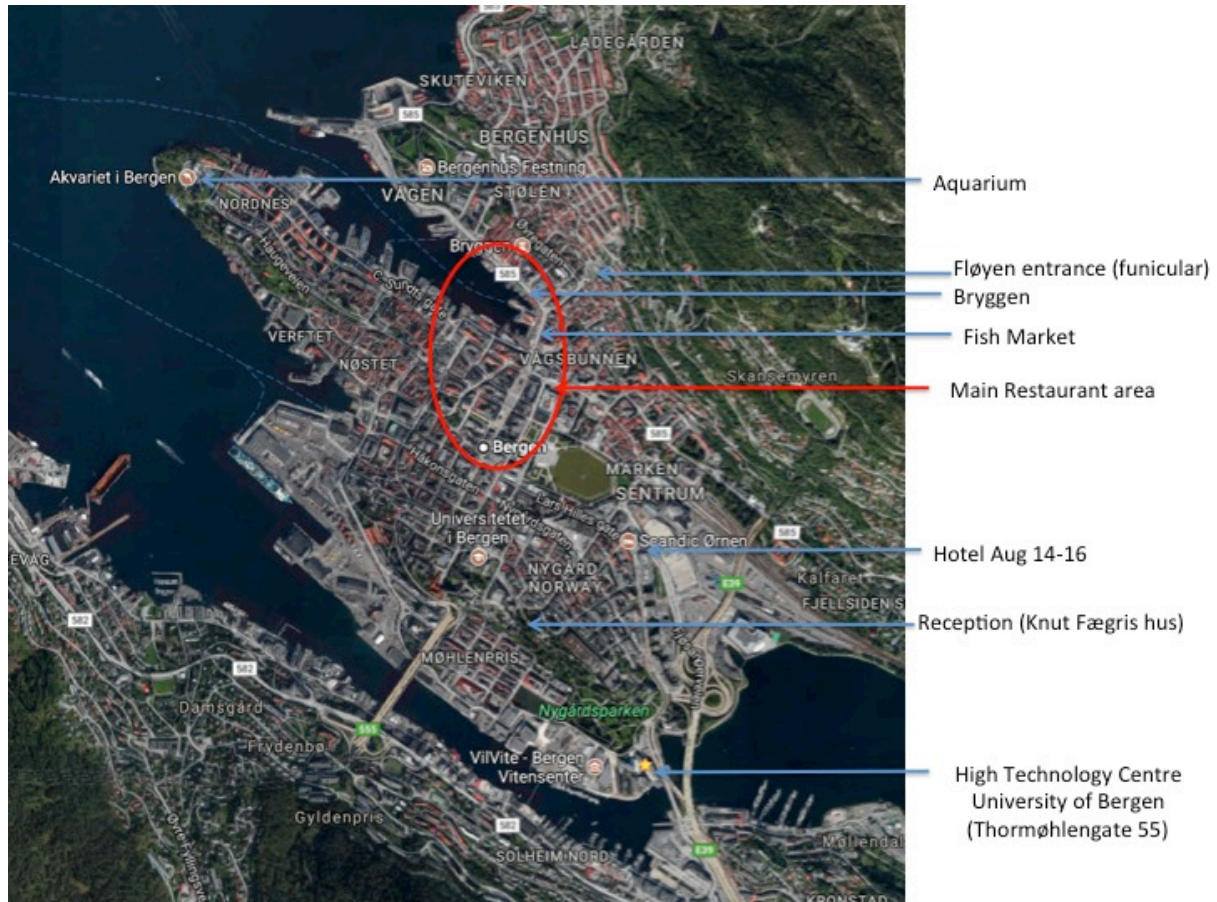
Reception & Registration will be open from 17.00-22.00 (Knut Fægri's hus) where we will have refreshments and tapas for dinner, a 10 min walk from the hotel.



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Some important locations to visit in Bergen.

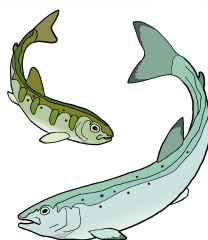
The workshop will be held at the at the large auditorium in the High Technology Centre (Thormøhlensgate 55). We will have signs showing the way.





Overview

	Aug 14	Aug 15	Aug 16	Aug 17	Aug 18
9.00-10.00		Talks	Excursion	Talks	Talks
10.00-11.00			Lærdal		
11.00-12.00			(Bus 9.00)		
12.00-13.00		Lunch	Lunch	Lunch	Lunch
13.00-14.00		Talks	Talks	Talks	Discussion
14.00-15.00	Scandic				Closing
15.00-16.00	Ørnen	CSAI/ILAB	Flåm		Bus to
16.00-17.00	Check-in	tour	Beer tasting	Free	Airport/
17.00-18.00		Free	Dinner	Swim/Spa	Bergen
18.00-19.00	Registration	Evening	Bus Solstrand	...	
19.00-20.00	Reception	Bergen	Hotel & Spa	Banquet	
20.00-21.00	Tapas		Check-in	Dinner	
21.00-22.00			Swim/Bar		



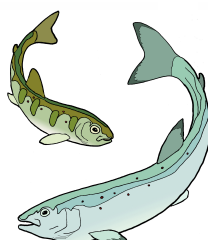
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Tuesday August 15

9.00-9.20	Welcome	Lars Ebbesson	
9.20-9.40	Environment/ Phenotype	Andy Moore	The impact of an in-river hydropower scheme on the behaviour and survival of Atlantic salmon smolts.
9.40-10.00	Chair: M. Shimizu M. Shrimpton	Torstein Kristiansen	Effects of processed fine-fraction iron ore on smoltification parameters and seawater tolerance in Atlantic salmon (<i>Salmo salar</i>) smolt.
10.00-10.20		Knut Vollset	Out of sync: attempting to understand the low survival of stocked hatchery salmon in the river Vosso
10.20-10.40		David Noakes	Effects of early experience on development of behavior in juvenile <i>Oncorhynchus mykiss</i> "
10.40-11.00	<i>Coffee</i>		
11.00-11.20		Laura Nisembaum	Insights on thermoreception in smolts facing global temperature rise.
11.20-11.40		Elodie Manganou	Effect of increased temperature on the Atlantic salmon smoltification: a brain transcriptome characterization
11.40-12.00		Luis Vargas	Effects of elevated temperature on osmoregulation in Atlantic salmon smolts
12.00-13.30	<i>Lunch</i>		
13.30-13.50	Chairs:	Luis Alfonso	Growth and smoltification of Atlantic salmon under commercial culture conditions.
13.50-14.10	S. Stefansson S. Madsen	Shinya Mizuno	Effects of dietary supplementation with oregano essential oil on the prevention of ectoparasitic protozoans, <i>Ichthyobodo salmonis</i> and <i>Trichodina truttae</i> , and on the physiology in juvenile chum salmon <i>Oncorhynchus keta</i>
14.10-14.30		Bill Riley	The impact of capture, handling, anaesthesia and tagging with coded wire tags on subsequent adult return rates of wild Atlantic salmon (<i>Salmo salar</i> L.) smolts.
14.30-14.50	<i>Coffee</i>		
15.10-16.30	CSAI/ILAB tour		



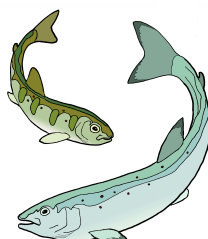
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Wednesday August 16

9.00-12.00	Excursion to Lærdal		
12.00-15.00	Norwegian Wild Salmon Centre		
	<i>Lunch</i>		
	Kelt biology	Thrandur Björnsson	Repeating the smolt migration: the amazing physical feat of iteroparous salmon and trout kelts
		Henning Urke	Migration behaviour of wild and cultivated <i>Salmo salar</i> smolts
15.00-18.00	Flåm		
16.00	Beer tasting/ Dinner		
18.00-20.00	Bus to Solstrand		
20.00-??	Check in Pool, bar		



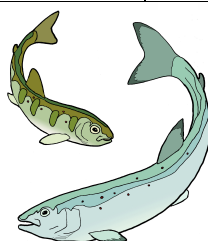
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Thursday August 17

9.00-9.20	Timing Chairs: J. Falcon E. Denker	Mune Shimizu	Assessment of the timing of "smoltification" in masu salmon in Miyazaki, south Japan
9.20-9.40		Mark Shrimpton	Differences in smolt characteristics for Pacific salmon from long and short-distance migrating populations.
9.40-10.00		David Hazlerigg	Smoltification vs Vernalisation
10.00-10.20		Even Jørgensen	Critical photoperiod revisited: day length requirements for stimulation of smolting in Atlantic salmon
10.20-10.40	coffee		
10.40-11.00		Simon Mackenzie	Blood and gills - a new perspective
11.00-11.20		Alex West	Acute effects of photoperiod transition within the optic tectum of <i>Salmo salar</i>
11.20-11.40		Elsa Denker	The smoltifying vs the landlocked brain: molecular insights into the biological and evolutionary mechanisms underlying (non-) smoltification
11.40-12.00			
12.00-13.30	lunch		
13.30-13.50	Stress Chairs: K. Sundell K. Cogliati	Henrik Sundh	Stress induces a leaky gut – but through which mechanisms?
13.50-14.10		Steve McCormick	Impact of ocean acidification on salinity tolerance and seawater growth in Atlantic salmon smolts
14.10-15.10	Robust discussion	Lars Ebbesson	What is a robust and resilient smolt?
15.10-15.30	coffee		
15.30-18.00	Free/Swim/bar		
18.00-19.15	Carl Dedication	Steve McCormick	Introduce Carl
		Carl Schreck	Reflections on smolting
19.30	Dinner		



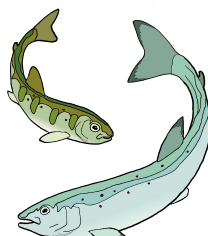
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Friday August 18

9.20-9.40	Early experience	Karen Cogliati	Using early phenotypic variation as predictors of juvenile migration timing
9.40-10.00	Chairs: A Moore M. Shrimpton	Arimune Munakata	Chinook salmon surrogate show different behavioral response to temperature decreases.
10.00-10.20		Pablo Balseiro	Muscle development and heart condition in Atlantic salmon (<i>Salmo salar</i>) post-smolts reared in Preline S-CCS
10.20-10.40	coffee		
10.40-11.40	Aquaculture Smolts discussion	Tom Nilsen	Defining a smolt
11.40-12.00	Check-out		
12.00-13.10	lunch		
13.10-13.50	Closing		
14.00-15.00	Bus		Airport and Bergen



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Participants

For more information contact: Lars Ebbesson (Lars.Ebbesson@uni.no or +46730598600)



Luis	Alfonso	Australia	luis.afonso@deakin.edu.au
Pablo	Balseiro	Norway	Pablo.Balseiro@uni.no
Thrandur	Bjornsson	Sweden	thrandur.bjornsson@zool.gu.se
Karen	Cogliati	USA	karen.cogliati@oregonstate.edu
Elsa	Denker	Norway	elsa.denker.uni.no
Lars	Ebbesson	Norway	Lars.Ebbesson@uni.no
Jack	Falcon	France	falcon@obs-banyuls.fr
Sigurd	Handeland	Norway	Sigurd.Handeland@uni.no
David	Hazlerigg	Norway	david.hazlerigg@uit.no
Even	Jørgensen	Norway	Even.Jorgensen@nfh.uit.no
Torstein	Kristensen	Norway	torstein.kristensen@niva.no
Grete	Lysfjord	Norway	grete.lysfjord@nord.no
Simon	Mackenzie	UK/Norway	simon.mackenzie@stir.ac.uk
Steffen	Madsen	Denmark	steffen@biology.ou.dk
Elodie	Magnanou	France	elodie.magnanou@obs-banyuls.fr
Steve	McCormick	USA	mccormick@umext.umass.edu
Shinya	Mizuno	Japan	mizuno-shinya@hro.or.jp
Andy	Moore	UK	andy.moore@cefas.co.uk
Arimune	Munakata	Japan	amunakata@yahoo.co.jp
Tom	Nilsen	Norway	Tom.Nilsen@uni.no
Laura	Nisembaum	France	nisembaum@obs-banyuls.fr
David	Noakes	USA	david.noakes@oregonstate.edu
Bill	Riley	UK	bill.riley@cefas.co.uk
Carl	Schreck	USA	Carl.Schreck@oregonstate.edu
Munetaka	Shimizu	Japan	mune@fish.hokudai.ac.jp
Mark	Shimpton	Canada	shrimptm@unbc.ca
Sigurd	Stefansson	Norway	sigurd.stefansson@bio.uib.no
Kristina	Sundell	Sweden	kristina.sundell@bioenv.gu.se
Henrik	Sundh	Sweden	henrik.sundh@bioenv.gu.se
Jo Espen	Tau Strand	Norway	jo.e.strand@uit.no
Henning	Urke	Norway	henning.urke@inaq.no
Luis	Vargas	Chile	luis.vargas@uach.cl
Knut	Vollset	Norway	Knut.Vollset@uni.no
Alex	West	Norway	alexander.west@uit.no