

# PhD and student theses with association to IRIS-Biomiljø

Entries are sorted chronologically (post doc studies & student / guest researcher works are shown in separate tables further below)

#	Person / thesis or work title	Type of study (SP=study credits)	Status or Year (+month) finished	Supervisors, contributors and affiliating institutions
	<b>Eivind Larssen:</b> "A proteomic approach to mechanisms for chronic fatigue"	PhD	Ongoing. Started Jan.  2010	Roald Omdal (SUS), Anne Hjelle (IRIS), Peter Ruoff (UIS)
	<b>Kai-Erik Uleberg:</b> "Analysis by proteomics, electrochemiluminescence (ECL) and nuclear magnetic resonance (NMR) of proteins and small molecules secreted by cervical punch biopsies containing CIN2-3 lesions."	PhD	Ongoing. Started August 2009	Project leader and main supervisor: Prof. Jan P.A Baak (Pathology Department, Stavanger University Hospital; The Gade Institute, University of Bergen; Free University Amsterdam The Netherlands.  Co-supervisors: Emiel A.M Janssen (Pathology Department, Stavanger University Hospital) and Anne Hjelle (IRIS).  Co-investigators: Ane Cecilie Munk (Gynaecology Department, SUH), Einar Gudlaugsson and Ivar Skaland (both Pathology Department, SUH)
	<b>Marie Hannam:</b> "Immune modulating effects of oil exposure in the Arctic Scallop, <i>Chlamys islandica</i> and temperate scallop, <i>Pecten maximus</i> ."	PhD	Ongoing, Start 2006	Director of studies: Prof Mal Jones (University of Plymouth), 2nd Supervisor: Prof Tamara Galloway (University of Exeter), 3rd Supervisor: Dr John Moody (University of Plymouth), Advisor in sponsor institute: Dr Shaw Bamber (IRIS)
	<b>Anne Helene Tandberg:</b> In project: "A taxonomic revision and phylogenetic analysis of the amphipod genus <i>metopa</i> (stenothoidae)".	Ph.D.	Ongoing, Start Feb 2005	Wim Vader (Tromsø Museum, University Tromsø), Jørgen Berge (UNIS).
	<b>Mari Mæland:</b> "Proteome expression signature in fish as a diagnostic tool to	Ph.D.	Ongoing, Start Feb	Cathrine Lillo (University of Stavanger), Anne Hjelle ( IRIS), Odd K. Andersen ( BiotaRisk),

	evaluate the impact of offshore oil and gas exploration (NFR-proof)".		2005	Bjørn Munro Jensen (NTNU).
<b>Finished thesis works:</b>				
38	<b>Tiphaine Le Priol:</b> "Utilisation d'algues pour le suivi écotoxicologique du pétrole en milieu marin: Etude préliminaire pour le développement d'un biocapteur"  "Use of algae for ecotoxicological monitoring of petroleum at sea: preliminary studies for the development of a biosensor"	Master (Engineer diploma)	Completed August 2009	Th. Baussant, IRIS  Prof. Claude Durrieu – Laboratoire des Sciences de l'Environnement (LSE) (ENTPE), Vaulx-en-Velain, France
37	<b>Jana Pauling:</b> "Study of behaviour and physiological parameters in deep-water coral <i>Lophelia pertusa</i> "	diploma thesis	Completed August 2009	Th. Baussant, Jan Fredrik Børseth IRIS  Prof. Jörg-Uwe Ackermann University of Applied Sciences, Dresden, Germany
36	<b>Ingrid Nylend:</b> "Comparison of three methods for studying CYP1A induction in Atlantic salmon ( <i>Salmo salar</i> ) exposed to crude oil".	MSc  (30SP)	June 2009	Supervisors: IRIS-Biomiljø – Henrik Jonsson, Steinar Sanni. UiS-IMN - Jonny Beyer. Master study direction at UiS-IMN: Offshoreteknologi / Teknisk miljøvern.
35	<b>Genia Atma Nagara:</b> Preliminary title: "DREAM as a tool to predict biomarker responses".	MSc  (30SP)	June 2009	Supervisors: IRIS-Biomiljø - Emily Lyng, Steinar Sanni. UiS-IMN - Jonny Beyer. Master study direction at UiS-IMN: Offshore Technology – Environmental Engineering.
34	<b>Krista Kaster:</b> "Analysis and Applications of Microorganisms from a Chalk Oil Reservoir in the North Sea".	Ph.D.	March 2009	Olav Vladsten (NTNU), Odd Gunnar Brakstad (Sintef), Grethe Kjeilen- Eilertsen & Harald Berland (IRIS).
33	<b>Trine Salvesen:</b> En proteomisk studie av serum biomarkører for syklisk variasjon mellom to genotyper av <i>Anaplasma phagocytophilum</i> i infisert sau	MSc  (60SP)	Dec. 2008	Eivind Larsen & Kai-Erik Uleberg (IRIS-Biomiljø), Peter Ruoff (UiS-IMN).  Snorre Stuen (Veterinærhøgskolen) contributed with serum samples.
32	<b>Kathrine Sundvor:</b> A proteomic study for serum biomarkers for variations between two genotypes of <i>Anaplasma phagocytophilum</i> in infected lambs	MSc  (60 SP)	Dec. 2008	Eivind Larsen & Kai-Erik Uleberg (IRIS-Biomiljø), Peter Ruoff (UiS-IMN)  Snorre Stuen (Veterinærhøgskolen) has contributed with serum samples

31	<b>Thomas Eves:</b> "Phagocytosis in <i>Mytilus edulis</i> (blue mussels)".	MSc	Sept. 2008	Tamara Galloway, Univ. Exeter (UK), Thierry Baussant (IRIS).  University of Exeter, MSc – Marine and Freshwater Biology and Resource Management
30	<b>Anne Bjørnstad:</b> "Proteomics and ecotoxicology: marine invertebrates and endocrine disrupting chemicals".	Ph.D.	Sept. 2008	Malcolm Jones (Dept. of Biological Sciences, University of Plymouth), Odd K. Andersen (IRIS).
29	<b>Claudia Lucas:</b> Examination of biomarker response in crude oil-exposed halibut to assess the long term effects of produced water discharge using various analytical investigations	Diplomarbeit (Master) thesis  Dipl. (FH)	Sept. 2008	Prof. J. U. Ackermann (HTW Dresden), Henrik Jonsson (IRIS)
28	<b>Knut Østerhus:</b> Effekter av boreslam (barytt) på blåskjell: Analyse av lipofuscin og 'neutral lipids' i fordøyelseskjertelen.	Bachelor  (15 SP)	August 2008	Cathrine Lillo (UiS), Renee Katrin Bechmann (IRIS).
27	<b>Emilie Sinet:</b> "Integrated multi-biomarkers indices of environmental quality"  Chemical selection, biological-based monitoring and integrative assessment methods: input to the EU-Respil project in the marine pollution framework 2006"	Diplôme d'Ingénieur Agronome de l'ENSAIA (Master Degree)	Septembe r 2007	Jérôme Cortet (E.N.S.A.I.A., National Engineering School of Agronomy and Food Sciences, Nancy, France), Thierry Baussant (IRIS)
26	<b>Sjur Vingen:</b> " Bioakkumulering og effekter av komponenter fra tungolje i blåskjell".	Master thesis	2007	Roald Kommedal (UiS), Thierry Baussant (IRIS).
25	<b>Claudia Lucas:</b> "A Comparison of Bradford and Lowry protein assay". A student trainee sponsored by the EU Leonardo da Vinci programme for vocational training.	5 months traineeship thesis	2006	Prof. J.-U. Ackermann, University of Applied Sciences, Dresden (Germany), Jonny Beyer (IRIS), Steinar Sanni (IRIS)
24	<b>Heidi Salte:</b> "Rapid evaluation of process topologies exploiting the use of his-tagging for the selective recovery of proteins".	Ph.D.	2006	Nigel J. Titchener-Hooker, Dept. Biochemical Engineering, University College London (UCL), Arild Johannessen (IRIS).
23	<b>Marta Bertolaso:</b> "Artificial reefs in marine coastal areas: environmental and socio-economic aspects".	Master thesis	2006	Arch. P. Rosa Salva, & P. Franzoi (Universita Ca' Foscari – Venezia, Italy), Daniela Pampanin, Gottfried Heinzerling (IRIS).
22	<b>Linda Johannessen:</b> "Pichia som ekspresjonssystem og studier av	Master thesis	2005	Cathrine Lillo (University of Stavanger), Berit Johansen (NTNU), Arild Johannessen (IRIS).

	nitratreduktase”.			
21	<b>Marie Hannam:</b> “Development and evaluation of immuno-toxicological biomarkers in mussels for use within environmental environmental monitoring programmes”	Master thesis	2005	Tamara Galloway (Dept. of Biological Sciences, University of Plymouth, UK), Shaw Bamber (IRIS).
20	<b>Kjellaug Aarebrot Karlsen:</b> “Pentafluorobenzoyl bromide derivatisation of alkylphenol metabolites, followed by GC-MS analyses in chemical ionisation mode”.	Master thesis	2005	Kåre Jørgensen (University of Stavanger), Grete Jonsson (IRIS).
19	<b>Asle H. Sørensen:</b> “Effekter av produsert vann på blåskjell”. (felles oppgave sammen med Christina Maliska)	Kandidat oppgave	2005	Helene Schei (Inst. of Petroleum Technology, University of Stavanger), Jonny Beyer (IRIS).
18	<b>Christina Maliska:</b> “Effekter av produsert vann på blåskjell”. (felles oppgave sammen med Asle H. Sørensen)	Kandidat oppgave	2005	Helene Schei (Inst. of Petroleum Technology, University of Stavanger), Jonny Beyer (IRIS).
17	<b>Goran Klaric:</b> “Syntese og HPLC-separasjon av fluorescente alkylfenolderivater”.	Kandidat oppgave	2005	Kåre Jørgensen (University of Stavanger), Grete Jonsson (IRIS).
16	<b>Tone Stokke:</b> “Optimisation of HPLC-F Method for separation of Alkylphenols in Fish Bile”.	Hovedoppgave/ diplomoppgave (Siv.ing.)	2004	Kåre Jørgensen (University of Stavanger), Grete Jonsson (IRIS).
15	<b>Admira Cavcic:</b> “Detection of alkyl phenol metabolites in fish bile and derivatization with dansyl chloride”.	Hovedoppgave/ diplomoppgave (Siv.ing.)	2004	Kåre Jørgensen (University of Stavanger), Grete Jonsson (IRIS).
14	<b>Giles Watson:</b> “An evaluation of the biological responses of the shore crab, <i>Carcinus maenas</i> , to pollution”.	Ph.D.	2004	Tamara Galloway & Mike Depledge (Dept. of Biological Sciences, University of Plymouth), Odd K. Andersen (IRIS).
13	<b>Sebastien Rider:</b> “The development of biomarkers and bioassays in mussels for use within monitoring programmes”.	Master thesis	2004	Tamara Galloway (Dept. of Biological Sciences, University of Plymouth, UK), Shaw Bamber (IRIS).
12	<b>Grete Jonsson:</b> “Determination of PAH metabolites in fish bile; Evaluation, quality assurance and utilisation of analytical methods”.	Dr.Scient.	2003	Otto Grahl-Nielsen (Dept. of Chemistry, University of Bergen).
11	<b>Lionel Camus:</b> “Biomarkers relevant to oil and gas industrial activities in low	Dr.Philos.	2002	Malcolm Jones (Dept. of Biological Sciences, University of Plymouth), Jan F. Børseth (IRIS).

	temperature marine ecosystems - Biomarkers in the Arctic".			
10	<b>Majbritt Joensen:</b> "Syntese av krysenmetabolitter".	Kandidat oppgave	2002	Kåre Jørgensen (University of Stavanger), Grete Jonsson (IRIS).
9	<b>Nathalie Morrata:</b> "Method development of lipid class separation by the use of silica cartridges".	Hovedoppgave / DEA - diplôme d'étude approfondie	2002	Université Aix-Marseille II, Centre d'Océanologie de Marseille. Laurence Pinturier (TOTAL E&P Norge AS).
8	<b>Inger Smedberg:</b> "Fluorescence as a screening method for THC in sediment samples".	Hovedoppgave/ diplomoppgave (Siv.ing.)	2001	Peter Ruoff (University of Stavanger), Grete Jonsson (IRIS).
7	<b>Pier Davies:</b> "Temperature dependent physiological response of <i>Carcinus maenas</i> exposed to copper".	Master thesis	2001	Malcolm Jones (Dept. of Biological Sciences, University of Plymouth), Lionel Camus (Akvamiljø/IRIS).
6	<b>Endre Aas:</b> "Biomarkers for polyaromatic hydrocarbon exposure in fish".	Dr.Scient.	2000	Anders Goksøyr (Dept. for Fisheries and Marine Biology, University of Bergen), Jonny Beyer & Odd K. Andersen (IRIS).
5	<b>Jill Leikvoll:</b> "Uptake and Elimination of Cu and ZN in blue mussels ( <i>Mytilus edulis</i> ) and assessment of effect using Neutral red retention assay".	Hovedoppgave/ diplomoppgave (Siv.ing.)	2000	T. Bilstad (University of Stavanger), O.K. Andersen & A. Bjørnstad (IRIS).
4	<b>Pål Aune:</b> " Uptake and elimination of PAH and metals in <i>Mytilus edulis</i> with measurements of membrane stability (NRRT) for assessing effect: a Field study".	Cand.mag thesis	1999	Telemark University College, Anne Bjørnstad & Grete Jonsson (IRIS).
3	<b>Eivind Ølberg:</b> "Blue mussels ( <i>Mytilus edulis</i> ) as a bioindicator for Marine contamination with Polycyclic Aromatic Hydrocarbons (PAH) and metals".	MSc thesis	1998	Angus Beck (Inst. Applied Environmental Science, Wye College, London University), Odd K. Andersen & A. Bjørnstad (IRIS).
2	<b>Monica Jacobsen:</b> "Identification of sensitivity and comparison with respect to three biomarkers in the Blue mussel, <i>Mytilus edulis</i> , exposed to cadmium".	Hovedoppgave/ diplomoppgave (Siv.ing.)	1997	Leif Ydstebø (University of Stavanger), O.K. Andersen (IRIS).
1	<b>Anne Bjørnstad:</b> "Biomarkers - Lysosomal response, scope for growth and measurements of shell growth rate in mussels as biomarkers for PAH exposure in the marine environment".	Hovedoppgave/ diplomoppgave (Siv.ing.)	1997	T. Bilstad (University of Stavanger), O.K. Andersen (IRIS).

## Post doc studies with association to IRIS-Biomiljø

#	Post doc person	Period	"Title" or post doc work area
	<b>Krista Kaster</b>	2009-2010	Development of new tools and competence in microbiology and molecular biology for impact assessments of pollutants in the marine environment.
	<b>Eva Dock</b>	2007 - 2008	Multichannel biosensor technology (bioelectronic tongue).
	<b>Elisa Ravagnan:</b>	2006 -2008	"Developing an Index of the Quality of the Marine Environment (Marine Environment I.Q.) based on biomarkers: integration of pollutant effects on marine organisms".
	<b>Fiona Provan</b>	2004 - 2006	Proteomics
	<b>Grete Jonsson</b>	2003 - 2005	Development fish bile metabolite detection methods for use as biomarkers in environmental monitoring.
	<b>Lionel Camus</b>	2002-2004	"Biomarkers to monitor oil and gas industrial activities in the deep-sea".
	<b>Tiphaine Monsinjon</b>	2002 - 2005	Proteomics
	<b>Laurence Pinturier</b>	2001-2003	"Surface indicators of oil seeps".
	<b>Jonny Beyer</b>	1997-1999	"Development and application of fish biomarkers in environmental monitoring".

## Other student and guest researcher works

#	Person / thesis title	Thesis type	Status / Year finished	Supervisors (formal supervisor first) and institution
	<b>Timothee Kirkhus:</b> Evaluation of peroxisomal expression in juvenile Halibut ( <i>Hippoglossus hippoglossus</i> ) exposed to crude oil	Report	2009 4 month stay	

	<b>Annette Elde</b> "Drill mud and its effect on pigmentation in <i>Lophelia pertusa</i> "	Short-term contract (post master work)	2 periods – July/August 2009 & December 2009	Th. Baussant, (IRIS)
	<b>Alessio Gomiero</b> : "The development of a new molecular biomarker in the shore crab, using SELDI TOF technology".	6 months stage	2005	University Venice, Italy Daniela Pampanin (IRIS).
	<b>Peter Kinzel</b> : "Testing dexoygenation equipment".		1999	University of Nancy (FR), Stephane LeFloch ( Total) Kjell Birger Øysæd (IRIS)
	<b>Karine Barbier</b> : "Catalase and GST in blue mussels". (work area)	Student	1999 3 month stay	University of Bordeaux Jan Fredrik Børseth ( IRIS)
	<b>Laurent Marsal</b> : Determination de la toxicité aiguë de WAFs de 5 hydrocarbures par test Micotox et inhibition de croissance sur <i>skeletonmea costatum</i>	Report	1996	University of Marseille (FR) Steinar Sanni (IRIS)