



IVP NEWSLETTER

NR. 1, 2019



IN VIVO PHARMACOLOGY

GRADUATE PROGRAMME FOR IN VIVO PHARMACOLOGY & EXPERIMENTAL ANIMALS

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Layout:
Camilla Ebert

www.invivofarm.dk

SINCE LAST...

Dear All,

Summer is here (!) and it is time for a newsletter. I want to thank students and supervisors for your continued support for our annual meeting in March – once again, we were able to meet for exiting and constructive sessions within in vivo pharmacology – we appreciate your active involvement making the meeting special!

August 30th, we will continue our success of the student initiated and organized '3rd IVP Animal Models Workshop' – so mark your calendars!

Both PhD students and supervisors should note that the SUND PhD School has released a new template for co-authorship declarations for **PhD theses**. Compared to its predecessor, the form has become substantially more detailed in terms of rating the PhD student's contribution to the various project phases and now also includes a narrative part. The purpose is to improve the evaluation committee's ability to judge the work actually carried out by the PhD students. It is strongly suggested that the PhD student and main supervisor fill out the forms together to avoid misunderstandings and to align views on the various project parts. The PhD school is also working on a 'Dialogue guide for regular assessments' to help supervisors and PhD students get around all important topics at the regular assessment meeting held three times during the course of the PhD. We will distribute the guide once it is released.

I wish you all a great summer and hope to see everyone August 30th.

Best wishes,



Jens
Program Head

NEWS FROM THE STUDENT REPRESENTATIVES

Dear members of the IVP Graduate Programme,

It was great to see so many of you at the In Vivo Pharmacology Annual Meeting that took place in beautiful surroundings in Elsinore in beginning of March. We hope you enjoyed the days and all the interesting posters and oral presentations just as much as we did.

We will repeat the success of last year's Animal Model Workshop at 30th August and hope that as many of you as possible will join us for an inspiring day together at the top of the Maersk Tower, where we have put together a new and diverse programme with exciting scientific hot topics and talks. Make sure to book the day for this annual event!

Unfortunately, in 2018 we had to say goodbye to Lykke and Anna Katrina as members of the IVP board. Instead, we welcome our new members Charlotte Holme Nielsen and Victoria Svop Jensen.

Charlotte is a veterinarian and doing her PhD-project at Comparative Paediatrics and Nutrition where she is studying preterm pigs as models of preterm infants, with focus on maturation of the gut, immunity and especially the neurodevelopment.

Victoria is also a veterinarian and doing her PhD-project at the Department of Veterinary and Animal Sciences. Her PhD is focused on the effects of insulin on the liver in diabetic NAFLD/NASH.

Finally, in case you are not a member already, please remember to join the IVP Graduate Programme group on [Facebook](#).

Have a great summer!

Best regards,
Charlotte & Victoria



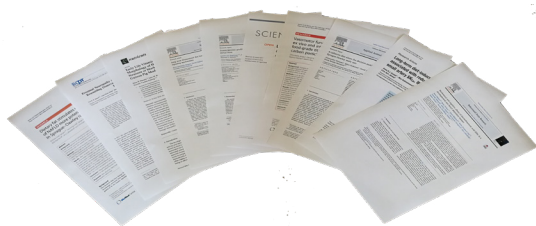
NEW PUBLICATIONS...

A. Skovmand et al., 'Effects of maternal inhalation of carbon black nanoparticles on reproductive and fertility parameters in a four-generation study of male mice', Particle and Fibre Toxicology, vol. 16, 13, 2019. [Link to article.](#)

J. Skat-Rørdam, D. Højland Ipsen, J. Lykkesfeldt, P. Tveden-Nyborg, 'A role of peroxisome proliferator-activated receptor γ in non-alcoholic fatty liver disease', BCPT, vol. 24,5, 2019. [Link to article.](#)

K. K. Vøls, M. Kjelgaard-Hansen, C. Dan Ley, A. K. Hansen and M. Petersen, 'Bleed volume of experimental knee haemarthrosis correlates with the subsequent degree of haemophilic arthropathy', Haemophilia, vol. 25, 2, 2019. [Link to article.](#)

C. H. Nielsen, A. B. Brandt, T. Thymann, K. Obelitz-Ryom, P. Jiang, C. Vanden Hole, C. van Ginneken, S. Pankratova, P. T. Sangild, 'Rapid Postnatal Adaptation of Neurodevelopment in Pigs Born Late Preterm', Dev Neurosci, May 29: 1-15, 2019. [Link to article.](#)



REMEMBER TO NOTIFY US OF YOUR NEW PUBLICATIONS

JOIN THE IVP GRADUATE PROGRAMME ON FACEBOOK



CLICK ON THE LOGO TO LEARN
MORE

FUNDING...

SUNDS PhD school provides funding for courses offered from external providers. Up to two courses pr. PhD student. [Read the conditions.](#)

SUNDS PhD school also provides funding for stays abroad at other research environments. The stay should be all in all 4 weeks, which means that the stay can be split into two short stays as long as they comply to 4 weeks in total. [Read more.](#)

The Graduate School now offers financial support for international PhD students' Danish language courses. Learn more about financial support for participation in Danish language courses [here](#).

The IVP graduate programme provides funding for conferences and seminars under the condition that you have been accepted to present a poster or oral presentation. Members that are part of an industrial project are not eligible for funding. [Read more.](#)

IVP ANNUAL MEETING 7-8

MARCH 2019



The annual meeting was kicked off with poster presentations in plenum. Here, Emilio presenting his poster.



Kåre presenting: 'In vivo characterization of critical determinants of bleeding in the development of haemophilic arthropathy in rodent models of haemophilia A'.



Julie presenting: 'Investigating Treatment Modalities of NASH and Hepatic Fibrosis in a GP Model'.



The poster presentations was followed by the oral assessments by PhD members. Here Charlotte presenting: 'Postnatal adaptation of neurodevelopment and other organ systems in pigs born preterm'.



Victoria and Anna acting as chairpersons during the first session.



Rikke and Pernille acting as chairpersons during the second session.



Shuqiang presenting: 'Gut and immune effects of bioactive milk factors in preterm pigs exposed to prenatal inflammation'.



Sisse presenting: 'Bioethical improvements of mouse models of diabetic nephropathy'.



Nicole accepting the prize for peoples-choice poster.



Kåre accepting the prize for best mid-way seminar presentation.



Josephine and Laura acting as chairpersons during the third session.



The day ended with a 3-course dinner and announcing of the three prize winners. Here, Jens Lykkesfeldt announcing one of the winners.



Victoria accepting the prize for best poster presentation.

NEW FACES...

Nicole Lind Henriksen from Dept. of Veterinary and Animal Sciences. Title of project: Early dietary interventions to improve gut and brain development in preterm neonates. Principal supervisor: Thomas Thymann. Project initiated: 15 December 2018.



"In my PhD project I am using a preterm pig model to investigate how different fat emulsifiers in infant formula influences neonatal health and neurocognitive development"

Jesse Thuo from Dept. of Experimental Medicine. Title of project: Chronic pain, stress and gait evaluation in the naked mole rat. Principal supervisor: Klas Abelson. Project initiated: 3 December 2019.



"In my PhD research, I will be looking at Chronic pain, stress and gait evaluation in the naked mole rat"

Karoline Aasmul-Olsen from Dept. of Veterinary and Animal Sciences. Title of project: Milk osteopontin supplementation to improve gut, immunity and brain development in preterm pigs. Principal supervisor: Stine Brandt Bering. Project initiated: 15 December 2018.



"In my PhD project we aim to investigate if a milk diet supplemented with osteopontin improves gut, immunity and brain development using premature newborn pigs as models for preterm infants."

Mille Lyhne Skøttrup from Dept. of Veterinary and Animal Sciences. Title of project: Platelet and myocardial function in a novel porcine model of hypoglycaemia. Principal supervisor: Lisbeth Høier Olsen. Project initiated: 1 March 2019.



"I am a veterinarian with a few years of clinical experience from working at a companion animal hospital in Sweden. In March I started my PhD fellowship where I will be investigating platelet and myocardial function in a porcine model of hypoglycaemia and diabetes."

Mosiany Kisipan from Dept. of Experimental Medicine. Title of project: Characterisation of inflammatory and immune responses in naked mole-rat (*Heterocephalus glaber*) and the effects of anti-inflammatory agents. Principal supervisor: Klas Abelson. Project initiated: 11 December 2018.

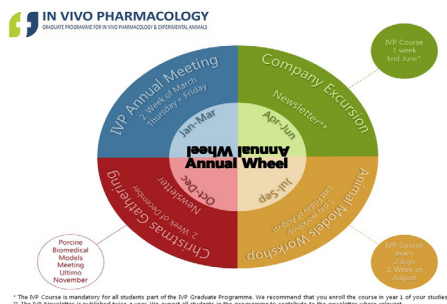
Christopher Musembi from Dept. of Experimental Medicine. Title of project: Modulation of nociception by voltage-gated sodium ion channels in the tortoise (*Kinixys spekii*). Principal supervisor: Klas Abelson. Project initiated: 1 April 2019.

Welcome to everyone!

IVP ANNUAL WHEEL...

The IVP Advisory Board has decided to make an annual wheel for the IVP Graduate Programme. The Annual Wheel shows IVP's annual activities and what we expect our graduate members to participate in.

Click on the picture to download the wheel.



NEW CO-AUTHORSHIP DECLARATION...

For your information, the Faculty has on 30 January 2019 updated the templates for co-authorship declarations for PhD theses.

The purpose of the update is to provide assessment committees with more informative and transparent declarations. The new declarations have been developed together with, and approved by the Academic Council, Named Person and the Head of Graduate School. If signatures are already collected in the former template, the author may use it in his/her thesis or dissertation.

Please find the new declaration on the Graduate School website. [Read more](#).

SUMMER HOLIDAY 2019...

The Graduate School of Health and Medical Sciences is not fully staffed during July and August. Consequently, the following changes apply:

Please expect extended processing times between 1 July and mid-August.

We are unable to process enrolment applications between 8 July and 23 July. For urgent enquiries during this time, please phone us on (+45) 35 32 65 70 and we will do our best to assist you.

Phone hours in July
Monday to Friday: 10:00–14:00

3rd IVP Animal
Models Workshop
30 August 2019



Programme will be
announced in July 2019

IVP Christmas Party
December 2019



Wednesday 11 December
at 1 pm

More information will follow this autumn



IVP ANNUAL
MEETING
5-6 March
2020

 **IN VIVO PHARMACOLOGY**
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9 UPCOMING ACTIVITIES

THOSE WHO DEFENDED SINCE LAST...

Marta Diaz del Castillo defended her thesis on 26 October 2018. The title: Underlying mechanisms of malignant and non-malignant bone pain.

Anna Katri defended her thesis on 6 December 2018. The title: Dual Amylin and Calcitonin Receptor Agonist as a Treatment for Arthritic Diseases.

Laura Kofoed Hvidsten Ørstrup defended her thesis on 28 January 2019. The title: Effects of high fat diet, growth hormone and growth hormone deficiency on the insulin receptor, insulin-like growth factor 1 receptor and their hybrid receptor.

Simone Krog Christensen defended her thesis on 31 January 2019. The title: The myocardium in porcine and non-human primate models with metabolic syndrome and diabetes mellitus.

Sonny Hermanus Johannes Sliepen defended his thesis on 29 March 2019. The title: The role of the nociceptin/orphanin FQ system in an animal model of bone cancer pain.

Kirstine Sloth Tølbøl defended her thesis on 16 May 2019. The title: Novel diet-induced rodent models of fibrotic nonalcoholic steatohepatitis.

Sara Hestehave Kristensen defended her thesis on 27 June 2019. The title: Refinement of animal models in pain research - a study of the comorbidity between

pain, anxiety and depression in various rat strains, for the improvement of the translation from animals to humans.

Astrid Skovmand defended her thesis on 3 July 2019. The title: Pulmonary exposure to nanomaterials and effects on the male reproductive system: a study of sperm quality.

Congratulations to everyone!

UPCOMING PHD DEFENCES...

Lykke Boysen will defend her thesis on 4 September on: Formation and vascular deposition of immune complexes in mice administered with species-foreign protein.

Stay updated on all the PhD defences at The Graduate School for Health and Medical Sciences. [Read more.](#)



**REMEMBER TO
NOTIFY US WHEN YOU
HAVE SUBMITTED
YOUR PHD FOR
ASSESSMENT**

PHD DEFENCES TO

IVP CONTACT INFO

If you have issues to be discussed, things to be clarified, suggestions for the board of the PhD programme, please contact your representatives in advance of next meeting.

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Further information:

For further information, questions or contributions to the newsletter please contact Camilla Elisabeth Søgaard Ebert, camilla.ebert@sund.ku.dk

The next IVP Advisory Board Meeting is scheduled for Friday 6 December 2019.

IVP ADVISORY BOARD

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