

JUNE 2022 | ISSUE 24

IVP Update

The biannually e-infoletter for the In Vivo Pharmacology Graduate Programme



CANCELLATION POLICY FOR PHD COURSES AT SUND GRADUATE SCHOOL

- **CANCELLATIONS MADE UP TO TWO WEEKS BEFORE THE COURSE STARTS ARE FREE OF CHARGE**
- **CANCELLATIONS MADE LESS THAN TWO WEEKS BEFORE THE COURSE STARTS WILL BE CHARGED AN AMOUNT CORRESPONDING TO THE COURSE FEE FOR EXTERNAL PARTICIPANTS.**
- **PARTICIPANTS WITH LESS THAN 80% ATTENDANCE CANNOT PASS THE COURSE AND WILL BE CHARGED AN AMOUNT EQUAL TO THE COURSE FEE FOR EXTERNAL PARTICIPANTS.**
- **NO-SHOW WILL RESULT IN A FEE EQUAL TO THE COURSE FEE FOR EXTERNAL PARTICIPANTS.**
- **PARTICIPANTS WHO FAIL TO HAND IN ANY MANDATORY EXAMS OR ASSIGNMENTS CANNOT PASS THE COURSE AND WILL BE CHARGED AN AMOUNT EQUAL TO THE COURSE FEE FOR EXTERNAL PARTICIPANTS.**

[READ MORE ABOUT THE CANCELLATION POLICY HERE](#)

IMAGES BY [ANNALISEART](#) FROM [PIXABAY](#)

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Since last...

Dear all,

It is spring and time for an update! I would like to direct your attention towards our activities for the rest of the year: our IVP course 20-24th of June, the 5th IVP Animal Models Workshop on 26 August, the Annual Meeting October 6th and 7th and our Xmas gathering in December (date to be announced)! Please mark your calendars already and make it your priority to join your fellow students and support your IVP PhD program! You can read more about the activities in the newsletter.

The Graduate School has asked us to remind you that they are now strictly enforcing their course cancellation policy. You will be charged the course fee for external participants – as an example: for the in vivo course that is DKK 12000! This will not be popular with the supervisor...;))

We are still getting questions about screening of theses prior to submission. As you hopefully know, once your thesis has been submitted for evaluation, it constitutes a 'scientific product' in legal terms and is subject to the laws on responsible conduct of research! As member of the Committee on good Scientific Practice aka. 'the practice committee' that handles breaches of good scientific practice, I must say that we see far too many PhD theses that contain plagiarism or self-plagiarism. We talked about this topic at our latest annual meeting, and I hope that none of you will ever get into this kind of trouble. However, one good way of avoiding any plagiarism problems – besides abstaining from cut&paste! I.e. start on a blank page when you write – is to sign up for the course "Responsible Conduct of Research 2: Getting Ready for Submission of Manuscripts and Thesis", which is now mandatory for new students. This course enables you to check your own work for plagiarism and should therefore be taken close to finishing up your PhD. Getting caught in plagiarism will have serious consequences for your ability to finish with a PhD degree, so make sure you know how to cite appropriately. We as a PhD program do not offer to screen your thesis but if you did not get a chance to screen your thesis, you can purchase a one-time access to iThenticate (text similarity service) for US\$100 through their website <https://www.ithenticate.com/>.

Camilla and I will meet with some of the other PhD program leaders to explore if there are activities where we can collaborate and get inspired by each other. I hope that this will bring even more relevant opportunities for you in the future.

As we have now – at least for the time being – put the pandemic behind us, I wish you a wonderful spring and summer and hope to see you again in person soon!

Best wishes,



Jens



Jens Lykkesfeldt



Getting caught in plagiarism will have serious consequences for your ability to finish with a PhD degree, so make sure you know how to cite appropriately. We as a PhD program do not offer to screen your thesis but if you didn't get a chance to screen your thesis, you can purchase a one-time access to iThenticate (text similarity service) for US\$100 through their website.

News from the student representatives...

Dear IVP Students,

As we are enjoying a time without corona restrictions after more than two years, we are sadly experiencing a horrible time for the Ukrainians. We would like to send our support to the people of Ukraine and particularly UCPH staff and students from Ukraine or have friends and family in the country.

Thank you all for an amazing Motivation and Well-being workshop on the 17th of May. As some may know, we cancelled our Christmas gathering and we organised this event in order to make up for the missed event as well as create a programme suited for graduate students. We had good attendance from students in the course as well as other courses. We enjoyed a fruitful day of learning and discussion, followed by a wonderful dinner.

We are looking forward to the 5th IVP Animal Models Workshop on the 26th of August. It will be a day full of exciting talks in the areas of state-of-the-art methods, fraud in science, and animal models used in the industry. It will be an interactive day where you get to meet some aspiring and established scientists. Also, the day is a great chance to meet and chat with your fellow IVP students.

Later in autumn, we will have the IVP Annual Meeting, which will take place on the 6th-7th of October. This time we will

stay at the Comwell Hotel in Holte. We're looking very much forward to two days of talks and poster presentations by students.

Chelsea has been an amazing IVP student representative. Unfortunately, her time has come to an end and Chelsea will soon hand in her thesis. Therefore, we are looking for a PhD to replace her spot on the IVP Advisory board. We encourage you to volunteer for the position as it is important that we have students on the Advisory board. This position is very rewarding and we get a lot out of it. We have two primary duties: attend two IVP board meetings a year, where we have the opportunity to network with industry professionals and professors and help organise the IVP Animal Models Workshop. The workshop is a great opportunity to meet and have fun with other IVP students, meet professionals working with in vivo models, and organise an academic event that can be put on your CV. I feel like I have gained more as a representative than I have contributed to IVP. If you want more information, please contact us or Camilla and we will be very happy to chat!

Have a nice summer and see you soon!

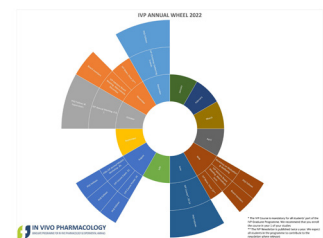
Kind regards,
Your student representatives

Chelsea and Penille

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 here to download the annual wheel.](#)



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 another research environment. The stay should be overall 4 weeks, which means that the stay can be split into two short stays as long as they comply with 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.](#)



Photographer: Søren Osgood / <http://www.osgood.nu>

Important dates...

20-24 June 2022 - IVP Course

24 August 2022 - IVP Course: Poster session

25 August 2022 - IVP Course: Exam

26 August 2022 - 5th IVP Animal Models workshop

6-7 October 2022 - IVP Annual Meeting

7 December 2022 - IVP Christmas Gathering

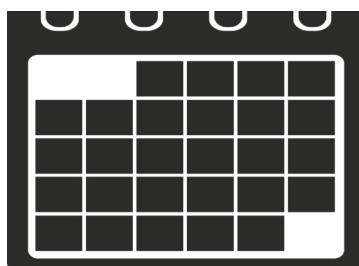


Image by [Tim Treis](#) from [Pixabay](#)

Those who defended since last...

Mie Schou Berke defended her thesis on Friday 17 December 2021. The title: Refinement strategies in the ajuvant-induced monoarthritis rat model - effects of analgesics, reduced induction volume and injection site.

Louise Bomholt Klem defended her thesis on Monday 21 February 2022. The title: Pharmacological characterisation of the rodent continuous performance test schedules and of the

effects of atomoxetine using noradrenaline and dopamine receptor antagonists in mice.

Angela Hørdum Valente defended her thesis on Friday 1 April 2022. The title: Anti-parasitic properties of chicory (*Cichorium intybus*): Identification of active compounds and effects of dietary supplementation in helminth-infected mice.

Pernille Kristine Fisker Christensen defended her thesis on Monday 4 April 2022. The title: A novel humanized mouse model of psoriasis.

Louise Marie Voetmann defended her thesis on Friday 8 April 2022. The title: Investigating GLP-1 receptor activation in Brunner's glands as a part of the intestinal barrier.

Nicole Lind Henriksen defended her thesis on Monday 2 May 2022. The title: Dietary Lipids in Neurodevelopment - Pediatric Porcine Models.

Congratulations to all

Upcoming defenses...

Royford Mwobobia

Laura Jul Andreasen

Agnethe May Ahnfeldt

Ditte Olsen Lützhøft

New publications...

[Effects of buprenorphine on model development in an adjuvant-induced monoarthritis rat model](#)

Berke, Mie Schou, Fensholdt, L. K. D., Hestehave, S., Kalliokoski, Otto & Abelson, Klas, Jan 2022, In: PLoS ONE. 17, 1, 21 p., e0260356.

[Assessment of automated assays for serum amyloid A, haptoglobin \(PIT54\) and basic biochemistry in broiler breeders experimentally infected with Escherichia coli](#)

Kromann, Sofie, Olsen, Rikke Heidemann, Bojesen, Anders Miki, Jensen, Henrik Elvang & Thoenfer, Ida, 2022, In: Veterinary Research. 53, 1, 7 p., 25.

[Brain lipidomics and neurodevelopmental outcomes in intrauterine growth restricted piglets fed dairy or vegetable fat diets](#)

Henriksen, Nicole Lind, Asmussen, K. S., Pan, Xiaoyu, Jiang, Pingping, Mori, Yuki, Christiansen, Line Iadsatian, Sprenger, R. R., Ejning, C. S., Pankratova, Stanislava & Thymann, Thomas, 2022, In: Scientific Reports. 12, 1, 3303.

[Efficacy of fibroblast growth factor 21 in non-alcoholic fatty liver disease in guinea pigs](#)

Klæbel, Julie Hviid, Lykkesfeldt, Jens & Tveden-Nyborg, Pernille, 2022, (E-pub ahead of print) In: Basic & Clinical Pharmacology & Toxicology.

[Fibrous dysplasia animal models: A systematic review](#)

Hopkins, Chelsea, de Castro, L. F., Corsi, A., Boyce, A., Collins, M. T., Riminucci, M. & Heegaard, Anne-Marie, 2022, In: Bone. 155, 13 p., 116270.

[Glucose supply and glycolysis inhibition shape the clinical fate of Staphylococcus epidermidis-infected preterm newborns](#)

Muk (Mudi), Tik, Brunse, Anders, Henriksen, Nicole Lind, Aasmul-Olsen, Karoline & Nguyen, Duc Ninh, 2022, In: JCI Insight.

[Optimization of pig models for translation of subcutaneous pharmacokinetics of therapeutic proteins: Liraglutide, insulin aspart and insulin detemir](#)

Pedersen, K., Gradel, Anna Katrina Jógvansdóttir, Ludvigsen, T. P., Christoffersen, B. Ø., Fuglsang-Damgaard, C. A., Bendtsen, K. M., Madsen, S. H., Manfé, V. & Refsgaard, H. H. F., 2022, In: Translational Research. 239, p. 71-84

[Vitamin C deficiency may delay diet-induced NASH regression in the guinea pig](#)

Skat-Rørdam, Josephine, Pedersen, Kamilla, Skovsted, Gry Freja, Gregersen, I., Vangsgaard, S., Ipsen, David Højland, Latta, M., Lykkesfeldt, Jens & Tveden-Nyborg, Pernille, 2022, In: Antioxidants. 11, 1, 69.

Check out publications at the Graduate Programme [website](#)



**ARE YOU THE NEW
STUDENT
REPRESENTATIVE IN THE
IVP ADVISORY BOARD?**

**SIGN UP OR LEARN MORE BY
CONTACTING [CAMILLA EBERT.](#)**

Meet IVPs new coordinator..

From January 2022, associate professor Pernille Tveden-Nyborg has been appointed as the new coordinator in the IVP Graduate Programme.

Pernille has a master's degree in veterinary medicine. After a couple of years in clinical practice, she returned to Copenhagen to become a PhD student within the field of embryology and cellular biology. This included a research stay in Melbourne, Australia with her husband and young child, and was a great experience. Following her Ph.D., she worked as assistant professor and is now associate professor in Experimental Pharmacology and Toxicology, and has been since 2013.



Pernille Tveden-Nyborg

Pernille has been a member of the IVP board since 2010 by invitation from Jens Lykkesfeldt. She has always seen this as a privilege as it allows her to be in direct contact with enrolled students to support their work and engagement in the programme. She thinks that establishing a well-founded supportive network is crucial for a Ph.D. study, ensuring interaction with peers both regarding scientific questions and in providing emotional support, which can sometimes be a big help during project challenges. This is something that she missed during her own Ph.D. and would have valued as network opportunity later in her career.

What type of research do you do?

"My research is centered on in vivo pharmacology and animal models of human disease, with the guinea pig as a preferred model. Now, my primary projects are within NAFLD and NASH, and vitamin C as a factor in disease and development. However, I have additional collaborations on other types of projects and supervise PhD projects that are not within these specific research targets. Apart from the animal experiments, I work with histology and molecular biological techniques and am involved in implementing novel analytical platforms in the

lab. E.g. within bioinformatics and ex vivo tissue culture."

What do you think are your most significant research accomplishments?

"Using the guinea pig as a model for human vitamin C deficiency, I have shown that low levels of vitamin C can have serious consequences for the developing brain and lead to negative effects on brain functions. Though a complex field and requiring more investigation, this may represent yet unrecognized functions of vitamin C, with potential impact also for humans. This is an area I think deserve more attention, and that I hope to pursue."

It has been decided that the graduate programmes should have a PhD coordinator, to match the PhD coordinators at the hospitals. The intention is that Ph.D. coordinators can share experiences across the graduate programmes to provide a uniform framework. In addition, the Ph.D. coordinator can serve as contact person for Ph.D. students in case of project concerns. This regards questions to regulations and procedures adhering to the Ph.D. programme, as well as offering suggestions as to how to proceed, should challenges arise during the course of a Ph.D. Sometimes, just having the opportunity to talk with someone outside the project supervisors can be helpful.



Importantly, the Ph.D. coordinator does not engage in project supervision or provide scientific insight to project research questions. If you want to know more about the Ph.D. coordinator role or if you think, there might be issues in your Ph.D. project that you would like to discuss with the Ph.D. coordinator, please do not hesitate to contact Pernille. She may not be able to provide a solution, but she will do her best to guide you to the appropriate sources or counselling.

[Read more about PhD coordinators here.](#)

IVP Advisory Board...



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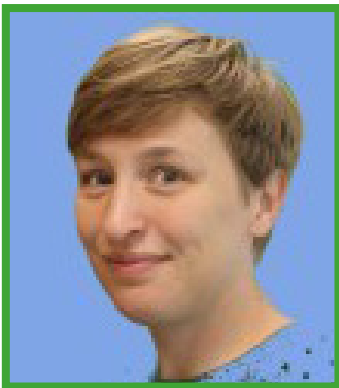
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IVP Contact Info...

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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READ MORE ON: www.invivofarm.dk

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 December 2022