

KEYNOTE SPEAKERS 35th AETE MEETING 2019 MURCIA

Dr. Poul Hyttel



Dr. Poul Hyttel graduated as Doctor of Veterinary Medicine (DVM) in 1979 from the Royal Veterinary and Agricultural University in Copenhagen. He received his PhD degree in 1982 and his degree as Doctor of Veterinary Sciences in 1988 from the same university, where he also lectured as an Assistant and later Associate Professor until 1990. Since 1990, he has been the Professor of Anatomy at the Department of Anatomy and Physiology at the Royal Veterinary and Agricultural University; now Department of Veterinary and Animal Sciences (DVAS), Faculty of Health and Medical Sciences at University of Copenhagen. Poul Hyttel's current research activities are directed towards pluripotent animal and human stem cells and in vitro embryo production. A fully equipped stem cell laboratory approved for genetically modified cells has been established at DVAS. The major contemporary projects focus on (1) establishment of human patient-specific neural in vitro cell models ("microbrains") for modeling of neurodegenerative disorders by the use of induced pluripotent stem cells (iPSC); (2) establishment of animal iPSCs for the development of the domestic animals as a translational model for iPSC-based cell therapy; and (3) in vitro production of bovine embryos, where the technologies for oocyte maturation, fertilization and embryo culture in vitro are optimized and genomics is applied for precise selection of high quality embryos. He has authored more than 280 refereed international articles and has been the principal supervisor of more than 40 PhD-students and postdocs. In 1997-1998 Prof. Hyttel was President of the International Embryo Transfer Society, in 2011 he was awarded Doctor Honoris Causa at University of Antwerp, Belgium, in 2015 he was knighted 1st Class Order for his services to Denmark, and in 2018 he was awarded Doctor Honoris Causa at Estonian University of Life Sciences, Tartu, Estonia.

Dr. Peter J. Hansen



Dr. Peter J. Hansen is a Distinguished Professor and L.E. "Red" Larson Professor of Animal Sciences at the University of Florida. His research focuses on the biology of pregnancy and embryonic survival and development of methods to improve fertility and assisted reproductive technologies in livestock (particularly dairy cattle). Particular emphasis is placed on elucidating effects of elevated temperature on pregnancy, characterizing the nature of maternal control of early embryonic development and identifying genes controlling embryonic survival and fertility. In addition, work is underway to develop methods to improve dairy cow fertility during heat stress and to increase profitable uses of embryo transfer. Hansen received the B.S. in Agricultural Sciences from the University of Illinois in 1978 and the MS and PhD degrees from University of Wisconsin (M.S., 1980; Ph.D., 1983). Hansen served as President of the International Embryo Technology Society (2013-2014) and other organizations.

Dr. Sylvie Chastant-Maillard



Dr. Sylvie Chastant-Maillard is a French veterinarian, graduated from Alfort National Veterinary School (near Paris, France) and Diplomate of the European College of Animal Reproduction. She spent 15 years teaching reproduction in Alfort National Veterinary School and since 2010, in Toulouse National Vet School, in the South of France. Her real passion is teaching, especially to share knowledge on reproduction. Her second professional interest is applied research (in the field of reproduction, of course), trying to answer field questions. She has a special interest in bovine endometritis, ovarian resumption of cyclicity and precision livestock farming.

Dr. Olli Peltoniemi



Dr. Olli Peltoniemi graduated as a veterinarian from the Faculty of Veterinary Medicine at the University of Helsinki in 1992. He then studied reproduction in domestic animals at the University of Sydney, Australia (1993-1994) leading to a Master of Veterinary Sciences degree in 1995. He completed the requirements as a National specialist in Production Animal Medicine in 1997 and was awarded a PhD in domestic animal reproduction by the University of Helsinki in 1999. Olli became a Diplomate of the European College of Animal Reproduction in 2001 and the European College of Porcine Health Management in 2005. Olli joined the staff of the Faculty of Veterinary medicine in Helsinki in 1995 and has held various roles, mainly in clinical sciences and domestic animal reproduction, culminating in a Full Professorship in domestic animal reproduction in 2010. Regarding leadership, in addition to leading his own pig research group for 20 years, he has had a number of leading roles at the Faculty including the deputy head of the Production Animal medicine Department from 2007-2009, chairing the research community from 2010-2012, and has been the Vice-dean for research since 2010. He was appointed as a board member of TINE, the Research Council of the University of Helsinki in 2014. Olli has served on the ECAR examination committee from 2003-2005, chairing the committee in 2005, served as secretary from 2009-13 and is currently the President of ECAR as well as being a member of the EBVS Board. The most recent challenge is that of a director of Helsinki One Health at the University of Helsinki. Further details:

[https://tuhat.helsinki.fi/portal/en/persons/olli-peltoniemi\(8545e559-66fb-4b1f-b47b-acc36e64f3b\).html](https://tuhat.helsinki.fi/portal/en/persons/olli-peltoniemi(8545e559-66fb-4b1f-b47b-acc36e64f3b).html)

Dr. Felipe Perecin



Dr. Felipe Perecin received a bachelor's Degree in Veterinary Medicine in 2002 and a PhD in Animal Reproduction- Veterinary Medicine in 2007, both from the Sao Paulo State University in Brazil. He completed his post-doctoral studies (2007-2008) at the University of Sao Paulo at Pirassununga (Brazil). Since 2016, Dr. Perecin is an Associate Professor at the Veterinary Medicine Department at the Faculty of Animal Sciences and Food Engineering of the University of Sao Paulo although he started lecturing in the same department as an Assistant Professor in 2009. Since 2017, he is the Head of the Graduate Program in Animal Bioscience at the University of Sao Paulo. He was member of the board (Scientific director- 2016-2017) of the Brazilian Embryo Technology Society (SBTE) and since 2015 he is the Academic Editor of the Animal Reproduction journal.

His research group is dedicated to understanding cellular and molecular mechanisms underlying oocyte and embryo development. They investigate metabolic and signaling pathways leading to the acquisition of oocyte competence as well as the disturbances caused by in vitro culture conditions on oocytes and embryos. In the last years, they increased their interest in mechanisms that allows intercellular communication within the ovarian follicle and between the embryo and maternal tissues (i.e. transzonal projections and extracellular vesicles). The group goals include the development of strategies aiming improvements on assisted reproduction technologies and fertility in domestic animals.