

11th Berlin Summer School 2018 "Non-invasive Monitoring of Hormones"

Monday 25.6.2018	Tuesday 26.06.2018	Wednesday 27.06.2018	Thursday 28.06.2018	Friday 29.06.2018
<p style="text-align: center;">9:00-10:30</p> <p>M. Dehnhard Basic biology: reproductive biology and stress physiology</p>	<p style="text-align: center;">9:00-10:30</p> <p>M. Heistermann Non-invasive endocrine assessment: Metabolism of hormones, biological validation and factors determining data interpretation</p> <p style="text-align: center;">Field endocrinology: practicalities, concerning collection and preservation of faecal samples</p>	<p style="text-align: center;">9.00-10.30</p> <p><u>Female reproductive monitoring I:</u> (Asian elephant) • Preparation of urine samples: hydrolysis and extraction</p> <p style="text-align: center;"><u>Preparation of calibration curves III:</u> • Evaluation EIA</p> <p><u>Monitoring male reproductive activity II:</u> • Evaluation EIA</p>	<p style="text-align: center;">9.00-10.30</p> <p>J. Fickel Non-invasive DNA analysis using fecal samples for identification of species, sex and individual</p>	<p style="text-align: center;">9.00-10.30</p> <p><u>Monitoring adrenal activity (stress) II:</u> (Cheetah) Evaluation of the EIA</p> <p style="text-align: center;"><u>HPLC-immunogram II:</u> (Cat species) Evaluation of the EIA</p>
<p style="text-align: center;">Coffeebreak</p>	<p style="text-align: center;">Coffeebreak</p>	<p style="text-align: center;">Coffeebreak</p>	<p style="text-align: center;">Coffeebreak</p>	<p style="text-align: center;">Coffeebreak</p>
<p style="text-align: center;">11:00 - 13:00</p>	<p style="text-align: center;">11:00-12:00</p>	<p style="text-align: center;">11.00 - 13.00</p>	<p style="text-align: center;">11.00 - 13.00</p>	<p style="text-align: center;">11.00 - 13.00</p>
<p>M. Heistermann Non-invasive endocrine assessment: Principle of enzyme immunoassay and analytical validation</p>	<p style="text-align: center;"><u>Calibration curves I:</u> • Preparation of calibration curves for Testosterone / 5a-P</p>	<p>A. Ganswindt Determining adrenocortical activity as a measure of stress</p>	<p style="text-align: center;"><u>Female reproductive monitoring III:</u> (Asian elephant) • Evaluation EIA</p> <p>M. Dehnhard HPLC immunograms</p>	<p style="text-align: center;">Participants + lecturers</p> <p>Data evaluation + presentation Evaluation of the summer school Criticism Concluding remarks</p>
<p style="text-align: center;">Lunch</p>	<p style="text-align: center;">Lunch</p>	<p style="text-align: center;">Lunch</p>	<p style="text-align: center;">Lunch</p>	<p style="text-align: center;">Pizza Party</p>
<p style="text-align: center;">14.00 - 15.30</p>	<p style="text-align: center;">13.00-14.30</p>	<p style="text-align: center;">14.00 - 15.30</p>	<p style="text-align: center;">14.00 - 15.30</p>	<p style="text-align: center;">End of 11th Berlin Summer School 2018</p>
<p><u>Preparation of microplates I:</u> • Coating</p> <p><u>Checkerboard titration I:</u> • Testosterone / 5a-P</p>	<p>Ch. Touma Of Men and Mice Stress and Neuroendocrinology of Affective Disorders</p>	<p style="text-align: center;"><u>Female reproductive monitoring II:</u> (Asian elephant) • Assessing the EIA for 5a-P</p>	<p style="text-align: center;"><u>Performing HPLC-immunograms:</u> (Cat species) • Assessing the EIA for PGFM</p>	
<p style="text-align: center;">Coffeebreak</p>	<p style="text-align: center;">Coffeebreak</p>	<p style="text-align: center;">Coffeebreak</p>	<p style="text-align: center;">Coffeebreak</p>	
<p style="text-align: center;">16.00 - 18.00</p>	<p style="text-align: center;">15.00-17.00</p>		<p style="text-align: center;">16.00 - 18.00</p>	
<p style="text-align: center;"><u>Monitoring male reproductive activity:</u> • Preparation and extraction of fecal samples</p>	<p style="text-align: center;"><u>Checkerboard titration II:</u> • Finalization and evaluation</p> <p style="text-align: center;"><u>Preparation of microplates II:</u> • Blocking</p>	<p style="text-align: center;">Historical sight-seeing cruise</p>	<p style="text-align: center;"><u>Monitoring adrenal activity (stress) I:</u> (Cheetah) • Application of three EIAs to monitor adrenocortical activity in cheetahs</p>	
<p style="text-align: center;">Barbecue party</p>	<p style="text-align: center;">Coffeebreak</p>			
	<p style="text-align: center;">17.30-19.30</p>			
	<p style="text-align: center;"><u>Calibration curves II:</u> • Assessing the enzyme immunoassays (EIA) for calibration curves for Testosterone / 5a-P</p> <p style="text-align: center;"><u>Monitoring male reproductive activity I:</u> (Asian elephant) • Assessing the EIA for testosterone</p>			

Lecture room

Lab