

Planned Program

3rd Spring School DRS *Biomedical Sciences*, 1st week (6. - 10.3.2017) location: Veterinarium Progressum, Oertzenweg 19b, Düppel

	Monday, 6 th March		Tuesday, 7 th March		Wednesday, 8 th March		Thursday, 9 th March		Friday, 10 th March
8.00 – 11.30 (incl. Coffee break)	Quality Assessment in Research: Of Factors and Facts Prof. B. Kaufer	8.30 – 10.30	General principles, rules and practical procedures to ensure good scientific practice Prof. Aschenbach	8:30 – 10:30	Open Access, copy right and plagiarism Dr. T. Gäng	8.30 – 12.30 (Incl. Coffee break)	Preparing Scientific Poster Presentations Prof. R. Einspanier	8.30 – 12.30 (Incl. Coffee break)	Application for animal trials, considerations, planning and legal prerequisites Prof. C. Thoene-Reineke
11.30 – 12.30	<i>Lunch break</i>	10.30 – 12.45	Requirements for Project Management Dr. R. Merle	10.30 – 12.00	Fundamentals of laboratory safety and genetic engineering Dr. S. Sharbati	12.30 – 13.30	<i>Lunch break</i>	12.30 – 13.30	<i>Lunch break</i>
12.30 – 15.45 (Incl. Coffee break)	How to Write and Publish a Scientific Paper, Seminar, Prof. A. Gruber	12.45 – 13.45	<i>Lunch break</i>	12.00 – 13.00	<i>Lunch break</i>	13.30 – 15.00	Basics of antimicrobial susceptibility testing of bacteria from animals: New developments and how to prevent commonly made mistakes Prof. S. Schwarz	13.30 – 16:45 (Incl. Coffee break)	Validation of diagnostic tests I Prof. M. Doherr (IVEB)
		13.45 – 16.00 (Incl. Coffee break)	Guidelines in Application for Third Party Financing in Germany/Europe Prof. P.-H. Clausen/Dr. M. Lukowiak	13.00 – 13:45	Networking in Natural Sciences Prof. B. Kaufer	15.15 – 16.45		Bacterial resistance to antimicrobial agents: Resistance mechanisms and dissemination of resistance Prof. S. Schwarz	Validation of diagnostic tests II Prof. M. Doherr (IVEB)

"From research idea to scientific publication - basics of observational study design and analysis"

2nd week (13. - 17.3.2017) location: Course Hall (house 23), Königsweg 67, Düppel

	Monday, 13 th March	Tuesday, 14 th March	Wednesday, 15 th March	Thursday, 16 th March	Friday, 17 th March
8.30 – 10.00	EPI01: admin issues, definitions, reporting guidelines (intro), formulation of epidemiological research questions Prof. M. Doherr & colleagues (IVEB)	EPI05: Design and analysis considerations for experimental studies Prof. M. Doherr & colleagues (IVEB)	STAT03: Parameter estimation from samples, confidence intervals based on SD and SEM, one sample t-tests Prof. M. Doherr & colleagues (IVEB)	STAT07: Correlation and linear regression II Prof. M. Doherr & colleagues (IVEB)	EPI08: paper discussion exercise, individual reading Prof. M. Doherr & colleagues (IVEB)
Coffee break					
10.30 – 12.00	Epi02: Data formats, data sources and data collection tools Prof. M. Doherr & colleagues (IVEB)	EPI06: Sample size calculations for observational and experimental studies Prof. M. Doherr & colleagues (IVEB)	STAT04: From 2-sample t-test to One Way ANOVA, multiple comparisons and posthoc tests Prof. M. Doherr & colleagues (IVEB)	STAT08: From frequencies, cross tabulations, ChiSquare tests and Odds Ratios (OR) to logistic regression Prof. M. Doherr & colleagues (IVEB)	EPI08 cont.: Paper discussion exercise – preparation of talks Prof. M. Doherr & colleagues (IVEB)
Lunch break	Possibility to eat your lunch at the Mensa Düppel				
13.00 – 14.30	EPI03: Observational studies and measures of disease frequency Prof. M. Doherr & colleagues (IVEB)	STAT01: Introduction to statistical software packages & features, basics of statistical hypothesis testing Prof. M. Doherr & colleagues (IVEB)	STAT05: 2-way ANOVA with and without interaction, repeated measures ANOVA Prof. M. Doherr & colleagues (IVEB)	STAT09: Multivariable logistic regression models and model building concepts Prof. M. Doherr & colleagues (IVEB)	EPI09: Paper discussion presentation in auditorium Prof. M. Doherr & colleagues (IVEB)
Coffee break					
14.45 – 16.15	EPI04: Measures of association (RR, OR), bias and confounding Prof. M. Doherr & colleagues (IVEB)	STAT02: Basic descriptive analysis for various data formats, tests for normality Prof. M. Doherr & colleagues (IVEB)	STAT06: Correlation and linear regression I Prof. M. Doherr & colleagues (IVEB)	EPI07: Critical paper discussion, use of STROBE or CONSORT/REFLECT checklist, group assignment Prof. M. Doherr & colleagues (IVEB)	EPI09 cont.: Paper discussion presentation in auditorium (cont.) Prof. M. Doherr & colleagues (IVEB)
16:15 – 17:30	Reading & Self-Study time, STATA software installation Prof. M. Doherr & colleagues (IVEB)	Reading & Self-Study time	Reading & Self-Study time	Reading & Self-Study time	