

Final Program

2nd Spring School DRS *Biomedical Sciences*, 1st week (29.2. - 4.3.2016)

	Monday, 29 th February		Tuesday, 1st March		Wednesday, 2nd March		Thursday, 3rd March		Friday, 4 th March
8.00 – 11.30 (incl. Coffee break)	Quality Assessment in Research: Of Factors and Facts Prof. B. Kaufer	8.30 – 11.30 (incl. Coffee break)	Literature Research and the Endnote program – Introduction and basic answers Part I Dr. T. Gäng	8:30 – 11:30	Literature Research and the Endnote program – Introduction and basic answers Part II, 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	Lunch break	11.30 – 12.30	Lunch break	11.30 – 12.30	Lunch break	12.30 – 13.30	Lunch break	12.30 – 13.30	Lunch break
12.30 – 14.30	Open Access, copy right and plagiarism Dr. T. Gäng	12.30 – 15.00 (Incl. Coffee break)	How to Write and Publish a Scientific Paper, Seminar, Prof. A. Gruber	12.30 – 14:00	Validation of diagnostic tests I Prof. M. Doherr (IVEB)	13.30 – 15.15	Fundamentals of laboratory safety and genetic engineering Dr. S. Sharbati	13.30 – 16:00	Design and analysis considerations for experimental studies Sample size calculations for animal trials Prof. M. Doherr & colleagues (IVEB)
15.00– 17.00	General principles, rules and practical procedures to ensure good scientific practice Prof. Aschenbach, OK	15.15 – 16.00	Guidelines in Application for Third Party Financing in Germany/Europe Prof. Clausen	14.15 – 15.45	Validation of diagnostic tests II Prof. M. Doherr (IVEB)	15.15 – 16.45	STATA statistics software installation (participants of 2nd week only; optional) Prof. M. Doherr & colleagues (IVEB)		

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

2nd week (7. - 11.3.2016) location: Veterinarium Progressum, Oertzenweg 19b, Düppel

	Monday, 7 th March	Tuesday, 8 th March	Wednesday, 9 th March	Thursday, 10 th March	Friday, 11 th March
8.30 – 10.00	Oral scientific presentations, Part I a, Prof. J. Zentek	EPI03: Observational studies and measures of disease frequency 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)	EPI06: paper discussion exercise, individual reading Prof. M. Doherr & colleagues (IVEB)
Coffee break					
10.30 – 12.00	Oral scientific presentations, Part I b, Prof. J. Zentek	EPI04: Measures of association (RR, OR), bias and confounding 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)	EPI06 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	EPI01: admin issues, definitions, reporting guidelines (intro), formulation of epidemiological research questions 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)	EPI7: Paper discussion presentation in auditorium Prof. M. Doherr & colleagues (IVEB)
Coffee break					
14.45 – 16.15	Epi02: Data formats, data sources and data collection tools 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)	EPI05: Critical paper discussion, use of STROBE or CONSORT/REFLECT checklist, group assignment Prof. M. Doherr & colleagues (IVEB)	EPI7 cont.: Paper discussion presentation in auditorium (cont.) Prof. M. Doherr & colleagues (IVEB)

