

**Table 2:** Overview of study modules offered by the RTG

<b>Colloquia, Lectures and Seminars</b>	<b>Participation</b>	<b>Frequency</b>	<b>Credit Points (CP)</b>
Berlin Parasitological Seminar Series (BPS; Hartmann, for all PhD students)*	Mandatory	Monthly	1.0
Interdisciplinary Parasitological Lecture: "Parasite Infections: From laboratory-based research to natural systems"* (Hartmann, for 1 <sup>st</sup> year PhD students)	Mandatory	Weekly	1.0
Biodiversity, ecology and evolution of host and parasite communities in East African ecosystems (Hofer, East, Wachter, for all PhD students)	Optional	2 days	1.0
Students' Day participation (ZIBI GS, for all PhD students)	Mandatory	Monthly	1.0/year
Berlin Life Science Colloquium* (IMPRS-IDI, for all PhD students)	Optional	Monthly	1,0
BRIDGE Colloquium on Functional Molecular Infection Epidemiology* (IRTG1673, for all PhD students)	Optional	Weekly	1,0
Diverse lecture series (e.g., Clinic Club (Löhning); for all PhD students)*	Optional	Monthly	1.0
Scientific Thinking (ZIBI GS, for all PhD students)	Optional	Monthly	0.5
<b>Practical Courses</b>	<b>Participation</b>	<b>Duration</b>	<b>CP</b>
Introductory course on biostatistical analysis and experimental design (Hofer, for 1 <sup>st</sup> year PhD students)	Mandatory	5 days	2.5
Introductory course on bioinformatics (Reinert, for 1 <sup>st</sup> year PhD students)	Mandatory	5 days	2.5
Advanced course on biostatistical analysis and experimental design (Hofer, for 2 <sup>nd</sup> /3 <sup>rd</sup> year PhD students)	Optional	2.5 days	1.0
Evolutionary genomics using high throughput sequencing (Heitlinger, for all PhD students)	Optional	2 days	1.0
Experimental genetics to assign gene function (Matuschewski, for all PhD students)	Optional	2 days	1.0
Optogenetic manipulation of protozoan parasites (Gupta, for all PhD students)	Optional	2 days	1.0
Pyrosequencing of single nucleotide polymorphisms (v. Samson, for all PhD students)	Optional	2 days	1.0
Transfection of <i>C. elegans</i> (Demeler, for all PhD students)	Optional	2 days	1.0
Parasite glycomics (Lepenies, for all PhD students)	Optional	2 days	1.0
Mosquito biology (Levashina, for all PhD students)	Optional	2 days	1.0
<i>In vitro</i> cultivation of <i>Plasmodium falciparum</i> and drug susceptibility testing (Mockenhaupt, for all PhD students)	Optional	2 days	1.0
Cellular reprogramming during coinfections (Hartmann, for all PhD students)	Optional	2 days	1.0
Applied FACS Technology (Steinfelder, for all PhD students)	Optional	2days	1.0
Micromanipulation, parasite infection and imaging of stem cell derived intestinal organoids (Klotz, for all PhD students)	Optional	2 days	1.0
Th2 generation during intestinal nematode infection (Rausch, for all PhD students)	Optional	2 days	1.0
Parasite interaction with epithelial function (Schulzke, for all PhD students)	Optional	2 days	1.0

<b>Practical Courses (continued)</b>	<b>Participation</b>	<b>Duration</b>	<b>CP</b>
Diagnosis of diseases in an insect host (Genersch, for all PhD students)	Optional	2 days	1.0
Working with bees in the lab (Genersch, for all PhD students)	Optional	2 days	1.0
Phylogenetic analyses by multi-locus DNA-sequences (Krücken, for all PhD students)	Optional	3 days	1.5
Phyloproteomic analyses based on MALDI-TOF MS (Murugaiyan, v. Samson, for all PhD students)	Optional	2 days	1.0
Parasites in animal farming and aquaculture (Knopf, IGB, for all PhD students)	Optional	2 days	1.0
Diverse courses on methodologies in infection biology and immunology (DRS/ZIBI GS, for all PhD students)	Optional	2-5 days	0.5/day
<b>Transferable Skills Training</b>	<b>Participation</b>	<b>Duration</b>	<b>CP</b>
Good Scientific Practice (DRS, for 1 <sup>st</sup> /2 <sup>nd</sup> year PhD students)	Mandatory	2 days	1.0
Time and Self-Management (DRS, for 1 <sup>st</sup> year PhD students)	Mandatory	2 days	1.0
Scientific Writing (DRS, for 1 <sup>st</sup> /2 <sup>nd</sup> year PhD students)	Optional	3 days	1.5
Data Visualization for the Life Sciences (Scavetta, Science Craft, for 1 <sup>st</sup> /2 <sup>nd</sup> year PhD students)	Optional	2 days	1.0
Diverse courses promoting scientific development (DRS, for all PhD students)	Optional	1-3 days	0.5/day
Diverse courses promoting personal development (DRS, for all PhD students)	Optional	1-3 days	0.5/day
<b>Scientific communication and meetings, additional scientific activities</b>	<b>Participation</b>	<b>Frequency</b>	<b>CP</b>
RTG Retreat (presentation)	Mandatory	Annually	1.0
Written Progress Report, Thesis advisory committee meeting	Mandatory	Annually	1.0
Attending a scientific conference with presentation (oral presentation or poster)	Mandatory	Annually	1.0
Writing a successful grant application	Optional		1.0
Writing and publishing a scientific paper	Mandatory		4.0
Organizing a focus workshop	Optional		2.0
Hosting a guest speaker of the BPS	Optional		1.0
Co-organizing the GRK retreat	Optional		1.5
Co-organizing and participating in science outreach activities	Optional		0.5-2
Internship at an industrial private company	Optional		2.0
* 1 CP for attending 15 events of the lecture series			