Master of Cellular and Immunological Bioscience – MSc CIB – a joined study program by the IZB (Institute of Cell Biology) and the ZMBP (Center for Plant Molecular Biology)

Participating groups

Working Group (AG) Name	Institute	Main Research Focus
AG Ewald	IZB	Molecluar Cell Biology - How do cells coordinate metabolism, growth and division?
AG Macek	IZB	Quantitative proteomics
AG Proikas-Cezanne	IZB	Autophagy
AG Huelsmann	IZB	Cytoskeleton & cell behavior in *Drosophila* / Coordinator of MSc CIB program
AG Weber	Immunology	Function of Toll-like receptors (TLRs) and Nod-like receptors (NLRs) in innate immunity
AG Walz	Immunology	Peptide-based immunotherapy
AG Planz	Immunology	Anti-viral immunity
AG Gouttefangeas	Immunology	Interactions between immune cells and tumors
AG Amann	Immunology	Viral vector vaccines
AG Salih	Associated to Immunology	Medical Director KKE Translational Immunology
AG Harter	ZMBP / Plant Physiology	Plant signal perception, transduction and integration
AG Oecking	ZMBP / Plant Physiology	Function of plant 14-3-3 proteins
AG El Kasmi	ZMBP / Plant Physiology	Plant NLR biology and relation of immunity and trafficking / Deputy coordinator of MSc CIB
AG Monte	ZMBP / Plant Physiology	Evolution of plant signaling in immunity and development
AG Wolf	ZMBP / Plant Physiology	Plant cell wall signaling
AG Timmermans	ZMBP / Developmental Genetics	Pattern formation and cell differentiation during organogenesis
AG Bayer	ZMBP / Developmental Genetics	Cell polarity and reproductive development
AG Smit	ZMBP / Developmental Genetics	Timing of fate transition
Central facilities (M. Stahl, K. Berendzen, S. Richter)	ZMBP	Analytics / metabolomics / microscopy
AG Lahaye	ZMBP / General Genetics	Effector proteins of bacterial plant pathogens
AG Mosca	ZMBP / General Genetics	Biomechanical modelling of morphogenesis
AG Kemen	ZMBP / IMIT	Microbial interactions in plant ecosystems
AG Schäffer	ZMBP / Nanoscience	Cellular nanoscience
AG Nürnberger	ZMBP / Plant Biochemistry	Plant innate immunity
AG Lozano-Duran	ZMBP / Plant Biochemistry	Molecular plant-(gemini)virus interactions
AG Kemmerling	ZMBP / Plant Biochemistry	Molecular analysis of *Arabidopsis thaliana* receptor protein kinases implicated in pathogen defense
AG Zentgraf*	ZMBP / General Genetics	Leaf senescence of annual plants
AG Gronnier*	ZMBP / General Genetics	Spatial and temporal regulation of cell-surface signaling, from the nanoscale to the organism

*these groups will leave before start of the program

status as of 2024-02-14