. 2024/2025 DAAC

A: Monday/

W36

September

W40

PMS course overview 2024/2025	Specialisations:	More than one profile or specialisation:
BMS course overview 2024/2025	Clinical Human Movement Sciences	Moleculat Medicine / Immunology & Host Defense
Profiles:	Immunology & Host Defence	Communication profile / Health Technology Assessment
Consultancy profile	Molecular Medicine	Communication profile / Research profile
Communication profile	Drug Safety and Toxicology	Consultancy profile/Research profile
Research profile	Epidemiology	Research profile / Health Technology Assessment
	Heatlh Technology Assessment	

Medical Neuroscience

A: Monday/	Titel	B: Thursday/	Titel	C: Wednesdays
Tuesday MED-BMS24	Medical Neuroscience: Conceptual basics and anatomy	Friday MED-BMS32	Medical Neuroscience: molecular and cellular neuroscience	MED-BMS11 (part 1 Basic course on Regulations and Organisation for clinical of 8 week course)* investigators (BROK) (part 1 of 8 week course)
MED-BMS53	Orthopaedic biomechanics in motion	MED-BMS40	Nanomedicine	
MED-BMS64	Molecular and cellular toxicology	MED-BMS54	Applied exercise physiology	* BMS11 is an 8 week course that runs in W36 + W40. You register for the entire
MED-BMS75	Advanced tools in molecular biology	MED-BMS67	Chemical mutagenisis and carcinogenesis	course with the same registration deadlines as a regular W36 course.
MED-BMS77	Design of applied medical research	MED-BMS74	Inflammatory diseases	
MED-BMS86	Introduction to Health Technology Assessment	MED-BMS78	Modern methods of data collection	
MED-BMS88	Advanced Immunology	MED-BMS58	Cost-effectiveness analysis in health care	
MED-BMS25	Medical Neuroscience: Functional imaging	MED-BMS30	Medical Neuroscience: Animal models for psychiatric and	MED-BMS11 (part 2 Basic course on Regulations and Organisation for clinical
			neurological disorders	of 8 week course) investigators (BROK) (part 2 of 8 week course)
MED-BMS43	From target to therapy	MED-BMS42	Targeting cellular processes to treat disease	
MED-BMS34	Reconstructive and regenerative medicine	MED-BMS50	Neural control of movement	
MED-BMS47	Biomarkers in population-based research	MED-BMS61	Statistical modeling in observational research	
MED-BMS55	From vascular function to vascular failure	MED-BMS66	Reproductive Epidemiology and Toxicology	
MED-BMS62	Advanced modelling in economic evaluation	MED-BMS93	Data Science for Biomedical Research	
MED-BMS63	Biodynamic and toxicokinetic modelling			
MED-BMS19	Vision: From molecule to perception and treatment	MED-BMS21	Neurodevelopmental conditions: bench to bedside	MED-BMS11 (part 1 Basic course on Regulations and Organisation for clinical of 8 week course)* investigators (BROK) (part 1 of 8 week course)
MED-BMS29	Neurobiology of stress	MED-BMS33	Neural stem cells to model neurological disorders	
MED-BMS39	Understanding proteins in 3D	MED-BMS37	Cell death in life and disease	* BMS11 is an 8 week course that runs in W36 + W40. You register for the entire
MED-BMS48	Clinical trials	MED-BMS52	Disorders of movement	course with the same registration deadlines as a regular W36 course.
MED-BMS49	Movement science in rehabilitation	MED-BMS56	Health outcome measurement	
MED-BMS65	Clinical toxicology	MED-BMS59	Prediction models and machine learning	
MED-BMS72	Cancer development and immune defense	MED-BMS60	Human risk assessment	
MED-BMS81	Applied medical research and society	MED-BMS76	Cell motility in physiology and pathology	
		MED-BMS89	Moving Science - using film in science communication	
MED-BMS08	Qualitative research	MED-BMS05	Participatory approaches to innovation	MED-BMS11 (<i>part 2</i> Basic course on Regulations and Organisation for clinical of 8 week course) investigators (BROK) (part 2 of 8 week course)
MED_RMS41	Advanced models of human disease	MED-BMS07	Science communication and society	

5	MED-BMS34	Reconstructive and regenerative medicine	MED-BMS50	Neural control of movement		
bbe	MED-BMS47	Biomarkers in population-based research	MED-BMS61	Statistical modeling in observational research		
October	MED-BMS55	From vascular function to vascular failure	MED-BMS66	Reproductive Epidemiology and Toxicology		
0	MED-BMS62	Advanced modelling in economic evaluation	MED-BMS93	Data Science for Biomedical Research		
	MED-BMS63	Biodynamic and toxicokinetic modelling				
W44	MED-BMS19	Vision: From molecule to perception and treatment	MED-BMS21	Neurodevelopmental conditions: bench to bedside	MED-BMS11 (part 1 of 8 week course)*	Basic course on Regulations and Organisation for clinical investigators (BROK) (part 1 of 8 week course)
	MED-BMS29	Neurobiology of stress	MED-BMS33	Neural stem cells to model neurological disorders		
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er	MED-BMS48	Clinical trials	MED-BMS52	Disorders of movement	course with the same	e registration deadlines as a regular W36 course.
November	MED-BMS49	Movement science in rehabilitation	MED-BMS56	Health outcome measurement		
ove	MED-BMS65	Clinical toxicology	MED-BMS59	Prediction models and machine learning		
ž	MED-BMS72	Cancer development and immune defense	MED-BMS60	Human risk assessment		
	MED-BMS81	Applied medical research and society	MED-BMS76	Cell motility in physiology and pathology		
			MED-BMS89	Moving Science - using film in science communication		
W48	MED-BMS08	Qualitative research	MED-BMS05	Participatory approaches to innovation	MED-BMS11 (part 2 of 8 week course)	Basic course on Regulations and Organisation for clinical investigators (BROK) (part 2 of 8 week course)
	MED-BMS41	Advanced models of human disease	MED-BMS07	Science, communication and society		
ecember	MED-BMS16	Association does not mean causation: Causal inference in c	MED-BMS14	Design and analysis of experiments		
em	MED-BMS28	Stress-related disorders	MED-BMS31	OMICS data analysis for systems biology		
Sec	MED-BMS85	Big data in biomedical sciences	MED-BMS51	Sensorimotor control		
	MED-BMS87	Applied Infectious Disease Epidemiology	MED-BMS91	Values in doing assessments of healthcare Technologies (VALIDATE)		
	MED-BMS13	Introduction to linear algebra and data analysis in MATLAB	(part 1) **	** BMS91 is an 8 week course that runs in W48B + W02B.		
W02	MED-BMS02	Management skills for a consultant	MED-BMS03	Policy research		
	MED-BMS09	Science presentation and visualisation	MED-BMS06	Science popularisation		
2	MED-BMS23	Biomedical imaging: seeing is understanding	MED-BMS10	Laboratory animal science		
January	MED-BMS27	Higher order cognition and emotion	MED-BMS22	Vanishing boundaries between neurodevelopmental disorders		
Ja	MED-BMS38	Biomarkers: let's get personal	MED-BMS82	Applied Matlab for Biomedical Problems		
	MED-BMS57	Health care improvement science	MED-BMS92	Organ Toxicology		
	MED-BMS17	Hands-on: genome data association analysis	MED-BMS91	Values in doing assessments of healthcare Technologies (VALIDATE)		
			(part 2) **	** BMS91 is an 8 week course that runs in W48B + W02B.		
W06	MED-BMS01	Thinking Critically about Science	MED-BMS04	Policy making, health systems and public management in health care		
5	MED-BMS26	Neuroscience of sleep	MED-BMS44	Mitochondrial disease drug development		
nai	MED-BMS69	Tumors of the digestive tract	MED-BMS46	Healthy versus neurodegenerative brain aging		
February	MED-BMS71	Women's cancers	MED-BMS68	Innovative research in urological cancers		
ш	MED-BMS84	Longitudinal and multilevel data analysis	MED-BMS90	Research with ionizing radiation		
W10	MED-BMS09	Science presentation and visualisation				
March	MED-BMS02	Management skills for a consultant				

Profile courses

Consultancy profile

Period	Code	Title	ECTS
W02A	MED-BMS02 *	Management skills for a consultant	3
	or	or	
	MED-BMS57	Health care improvement science	
W02B	MED-BMS03	Policy research	3
W06B	MED-BMS04	Policy making, health systems and public management in health	3
		care	
W48B	MED-BMS05	Participatory approaches to innovation	3

* MED-BMS02 has another course edition in W10A (March)

Communication Profile

Period	Code	Title	ECTS
W02B	MED-BMS06	Science popularisation	3
W48B	MED-BMS07	Science communication and society	3
W48A	MED-BMS08	Qualitative research	3
W02A	MED-BMS09	Science presentation and visualisation	3
or			
W10A			

Research profile

Students in the research profile should take at least 6 ECTS of research profile courses

Period	Code	Title	ECTS
W02A	MED-BMS09	Science presentation and visualisation	3
W02B	MED-BMS10	Laboratory animal science	3
WC,	MED-BMS11	BROK	1.5
4x			
W48A	MED-BMS13	Introduction to linear algebra and data analysis in MATLAB/PYTHON	3
W48B	MED-BMS14	Design and analysis of experiments	3
W02A	MED-BMS38	Biomarkers: let's get personal	
W48A	MED-BMS41	Advanced models of human disease	
W44A	MED-BMS48	Clinical trials	
W02A	MED-BMS57	Health care improvement science	
W02B	MED-BMS82	Applied Matlab for Biomedical Problems	3
W06A	MED-BMS84	Longitudinal and multilevel data analyses	
W48A	MED-BMS85	Big data in biomedical sciences	
W44B	MED-BMS89	Moving Science - using film in science communication	3
W06B	MED-BMS90	Research with ionizing radiation	3

Courses per specialisation

Immunology and Host Defence

Period	Code	Title
W36A	MED-BMS88	Advanced immunology
W36B	MED-BMS74	Inflammatory diseases
W40A	MED-BMS43	From target to therapy
W40B	MED-BMS42	Targeting cellular processes to treat disease
W44A	MED-BMS72	Cancer development and immune defense
W44B	MED-BMS37	Cell death in life and disease
	or	
	MED-BMS76	Cell motility in physiology and pathology

Clinical Human Movement Sciences

Period	Code	Title	
W36A	MED-BMS53	Orthopaedic biomechanics in motion	
W36B	MED-BMS54	Applied exercise physiology	
W40A	MED-BMS55	From vascular function to vascular failure	
W40B	MED-BMS50	Neural control of movement	
W44A	MED-BMS49	Movement science in rehabilitation	
W44B	MED-BMS52	Disorders of movement	

Epidemiology

Period	Code	Title
W36A	MED-BMS77	Design of applied medical research
W36B	MED-BMS78	Modern methods of data collection
W40A	MED-BMS47	Biomarkers in population-based research
W40B	MED-BMS61	Statistical modeling in medical research
W44A	MED-BMS81	Applied medical research and society
W44B	MED-BMS59	Prediction models and machine learning

Health Technology Assessment

Period	Code	Title
W36A	MED-BMS86	Introduction to Health Technology Assessment
W36B	MED-BMS58	Cost-effectiveness analysis in health care
W40A	MED-BMS62	Advanced modelling in economic evaluation
W44A	MED-BMS48	Clinical trials
W44B	MED-BMS56	Health outcome measurement

W48A	MED-BMS08	Qualitative research

Drug Safety and Toxicology

Period	Code	Title
W36A	MED-BMS64	Molecular and cellular toxicology
W36B	MED-BMS67	Chemical mutagenesis and carcinogenesis
W40A	MED-BMS63	Biodynamic and toxicokinetic modeling
W40B	MED-BMS66	Reproductive Epidemiology and Toxicology
W44A	MED-BMS65	Clinical toxicology
W44B	MED-BMS60	Human risk assessment

Molecular Medicine

Period	Code	Title
W36A	MED-BMS75	Advanced tools in molecular biology
W36B	MED-BMS40	Nanomedicine
W40A	MED-BMS43	From target to therapy
	or	
	MED-BMS34	Reconstructive and regenerative medicine
W40B	MED-BMS42	Targeting cellular processes to treat disease
W44A	MED-BMS39	Understanding proteins in 3D
W44B	MED-BMS37	Cell death in life and disease
	or	
	MED-BMS76	Cell motility in physiology and pathology

Medical Neuroscience

Period	Code	Title
W36A	MED-BMS24	Medical Neuroscience: Conceptual basics and anatomy
W36B	MED-BMS32	Medical Neuroscience: molecular and cellular neuroscience
W40A	MED-BMS25	Medical Neuroscience: Functional imaging
W40B	MED-BMS30	Medical Neuroscience: Animal models for psychiatric and neurological disorders