

Onderwijsplanning opleidingen Biomedische wetenschappen en Molecular Mechanisms of Disease
Radboudumc Health Academy / Studiejaar 2021 - 2022

Master Molecular Mechanisms of Disease

06-09-21				04-10-21				01-11-21				29-11-21				10-01-22				07-02-22				07-03-22				04-04-22				02-05-22				30-05-22				27-06-22			
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
M2 MMSTA Omics data analysis and interpretation				MM1MC Masterclass 1				MMSS Science and society				Electives				Internships & electives				Internships				Internships				Internships				Internships											
M1 MMIC Introduction course				MMEC Excellence in communication				MM3CFB Cell growth and differentiation				MM3TR Developmental disorders and malignancies				MM2CFA Metabolism, transport and motion				MM2TR Metabolic disorders				MM1TR Imm. related disord. & immunotherapy				MM2MC Masterclass 2				MMSKB Scientific Skills				MMSKB Scientific Skills							
Opening Academic year Mo 06-09-2021								MMBS Understanding basic statistics				MM1CFA Immunity, infection and inflammation				MMICBB Comp. Biology & Bioinformatics				Internships & electives				Internships & electives				Internships & electives				Internships & electives											
																																Easter mon 18-04-2022				Ascension Day thu 26-05-2022				Pentecost mon 06-06-2022			

Master Biomedical Sciences

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Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives															
Monday / Tuesday BMS24 Medical Neuroscience: Conceptual basics and anatomy BMS53 Orthopaedic biomechanics in motion BMS54 Molecular and cellular toxicology BMS75 Advanced tools in molecular biology BMS77 Design of applied medical research BMS86 Introduction to Health technology assessment BMS88 Advanced immunology				Monday / Tuesday BMS25 Medical Neuroscience: Functional imaging BMS43 From target to therapy BMS47 Biomarkers in population-based research BMS48 Clinical trials BMS49 Movement science in rehabilitation BMS65 Clinical toxicology BMS72 Cancer development and immune defense BMS81 Applied medical research and society				Monday / Tuesday BMS19 Vision: from molecule to perception and treatment BMS29 Neurobiology of stress BMS39 Understanding proteins in 3D BMS48 Clinical trials BMS49 Movement science in rehabilitation BMS65 Clinical toxicology BMS72 Cancer development and immune defense BMS81 Applied medical research and society				Monday / Tuesday BMS08 Qualitative research BMS13 Data analysis and modelling in MATLAB BMS16 Causal inference in observational research BMS28 Stress-related disorders BMS85 Big data in biomedical sciences BMS87 Applied infectious disease epidemiology				Monday / Tuesday BMS02 Management skills for a consultant BMS09 Science presentation and visualization BMS23 Biomedical imaging: seeing is understanding BMS27 Higher order cognition and emotion BMS38 Biomarkers: let's get personal BMS57 Health care improvement science				Monday / Tuesday BMS01 Thinking critically about science BMS26 Neuroscience of sleep BMS69 Tumors of the digestive tract BMS71 Women's cancers BMS84 Longitudinal and multilevel data analysis				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives															
Wednesday BMS11 BROK				Wednesday BMS11 BROK BMS12 Research with ionizing radiation				Wednesday BMS11 BROK				Wednesday BMS11 BROK				Thursday / Friday BMS03 Policy research BMS06 Science popularisation BMS10 Laboratory animal science BMS17 Hands-on: genome data association analysis BMS22 Vanishing boundaries between neurodevelopmental disorders BMS82 Matlab for signal analysis				Thursday / Friday BMS04 Policy making, health systems and public management in health care BMS34 Reconstructive and regenerative medicine BMS44 Mitochondrial disease drug development BMS46 Healthy versus neurodegenerative brain aging BMS68 Innovative research in urological cancers				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives															
Thursday / Friday BMS32 Medical Neuroscience: Molecular and cellular neuroscience BMS40 Nanomedicine BMS54 Applied exercise physiology BMS58 Cost-effectiveness analysis in health care BMS67 Chemical mutagenesis and carcinogenesis BMS74 Inflammatory diseases BMS78 Modern methods of data collection				Thursday / Friday BMS30 Medical Neuroscience: Animal models for psychiatric and neurological disorders BMS41 Advanced models of human disease BMS42 Targeting cellular processes to treat disease BMS57 Neural control of movement BMS61 Statistical modeling in observational research BMS66 Reproductive epidemiology and toxicology				Thursday / Friday BMS21 Neurodevelopmental disorders: Bench to bedside BMS33 Neural stem cells to model neurological disorders BMS37 Cell death in life and disease BMS52 Disorders of movement BMS56 Health outcome measurement BMS59 Prediction models and machine learning BMS60 Human risk assessment BMS76 Cell movements BMS89 Moving science, using film in science communication				Thursday / Friday BMS05 Participatory approaches to innovation BMS07 Science, communication and society BMS14 Design and analysis of experiments BMS31 OMICS data analysis for systems biology BMS51 Sensorimotor control				Thursday / Friday BMS03 Policy research BMS06 Science popularisation BMS10 Laboratory animal science BMS17 Hands-on: genome data association analysis BMS22 Vanishing boundaries between neurodevelopmental disorders BMS82 Matlab for signal analysis				Thursday / Friday BMS04 Policy making, health systems and public management in health care BMS34 Reconstructive and regenerative medicine BMS44 Mitochondrial disease drug development BMS46 Healthy versus neurodegenerative brain aging BMS68 Innovative research in urological cancers				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives				Internships, literature thesis and electives															
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Bachelor Biomedische Wetenschappen

Bachelor Biomedische Wetenschappen - jaar 3

06-09-21				15-11-21				10-01-22				07-02-22				18-04-22				02-05-22				04-07-22																							
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Semester 5																Semester 6																															
Patiëntcontacten en Professionaliteit (PCP, MED-B3PFS5B) Research minoren Q9 + Q10 (maandag / dinsdag) (MED-MINxx) MIN01 Efficacy and safety of drugs MIN02 Visualizing health and disease: from molecule to man MIN04 Cancer mechanisms and immune defense MIN05 Moving questions: an introduction to clinical human movement science MIN06 Global health & infectious diseases MIN09 Pain, inflammation and cancer: new drugs to combat disease Research minoren Q9 + Q10 (donderdag / vrijdag) (MED-MINxx) MIN03 Translational cardiovascular research MIN08 State-of-the-art research technologies in cancer, immunology and diagnostics MIN10 Diagnostics and molecular research in kidney disease MIN12 Assessment of surgical innovation MIN13 Medical biotechnology towards clinical practice MIN16 Translational neuroscience KoBa's (woensdagen) (MED-KOx) B3KOB Advanced data analysis and programming B3KOE Science in action, philosophy and the dynamics of science B3KOF From mice to men: translating animal research into clinical benefit																Patiëntcontacten en Professionaliteit (PCP, MED-B3PFS5B) MIN11 Clinical research: principles and practice MIN14 Neuroscience of stress-related psychopathology MIN18 Hemato-Oncology – from concept to cure MIN22 Hemostasis, a delicate balance! MIN23 Pediatric infectious diseases and immunity MIN27 Genomics research – from molecule to population MIN17 Biomedical research methods (premaster minor) MIN19 Clinical exercise physiology MIN21 Breast cancer: biology, treatment, patient MIN25 Sustainable healthcare improvement: principles and practice MIN28 Human embryology in perspective MIN29 Control of infectious diseases B3WI Thinking critically about science (MED-B3WI)																B3WR Bachelorwriting (MED-B3WR) B3BOS Bachelorstage (MED-B3BOS)				Patiëntcontacten en Professionaliteit (PCP, MED-B3PFS6B) B3WR Bachelorwriting (MED-B3WR) B3BOS Bachelorstage (MED-B3BOS)											
Opening academisch jaar ma 06-09-2021																Carnaval ma 28-2 + di 01-03-2022																Pasen ma 18-04-2022				Koningsdag di 27-04-2022				Hemelvaartsdag do 26-05-2022				Pinksteren ma 06-06-2022			

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Q5 Levensfasen en nieuwvorming																Q6 Beweging en stroming																Q7 Biomedical evidence in practice																Q8 Research in personalized healthcare																															
Patiëntcontacten en Professionaliteit (PCP, MED-B2PFS3) Vrije keuze onderwijs (MED-B2VKRB) Context science and innovation (CSI, MED-B2CSIS3/MED-B2CSIP) 5CCS Kanker: screening, diagnose en dure geneesmiddelen 5CPD Prenatale screening en morele dilemma's Research (RES, MED-B2RS3) 5RWL Wet lab research 5RMT Modelling systemic therapy Mechanismen van gezondheid en ziekte (MGZ, MED-B2MGZK5) 5MLD Life-span development 5MGO Groei en ontwikkeling 5MRL Reproductieve levensfase 5MVE Veroudering en laatste levensfase																Patiëntcontacten en Professionaliteit (PCP, MED-B2PFS3) Vrije keuze onderwijs (MED-B2VKRB) Context science and innovation (CSI, MED-B2CSIS3/MED-B2CSIP) 6CEBP Evidence based practice 6CSEB Statistiek voor EBP Research (RES, MED-B2RS3) 6REBP Evidence based practice 6RMR Measuring and modelling reflexes Mechanismen van gezondheid en ziekte (MGZ, MED-B2MGZK6) 6MAS Atherosclerose 6MAB Belasting en belastbaarheid 6MBT Beeldvormende technieken 6MEV Elektrische verschijnselen 6MHB Hart en bloed, gaswisseling																Patiëntcontacten en Professionaliteit (PCP, MED-B2PFS4) Vrije keuze onderwijs (MED-B2VKRB) Context science and innovation (CSI, MED-B2CSIP) 7CPRI Scientific research proposal Research (RES, MED-B2RK7) 7RST Statistics 7RSD Screening as early diagnostics 7RUR Uncertainty factors in risk assessment 7RVA Vaccinations 7RBB Bioinformatics & Big data																Patiëntcontacten en Professionaliteit (PCP, MED-B2PFS4) Vrije keuze onderwijs (MED-B2VKRB) Research (RES, MED-B2RK8) 8RAS Alzheimer's disease and stress related disorders 8RIG Infectious diseases and global health 8RPH Personalized healthcare research 8RBB Bioinformatics & Big data 8RNM Nanomedicine 8RRD Renal disorders 8RTR Topics in research for personalized healthcare																															
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Q1 Verwondering																Q2 Nature and nurture																Q3 Homeostase																Q4 Aanval en verdediging																															
Patiëntcontacten en Professionaliteit (PCP, MED-B1PFS1) Context science and innovation (CSI, MED-B1CSIS1/MED-B1CSIO/MED-B1CSIP) 1CSI Context, science and innovation 1CINT Integratieopdracht Research (RES, MED-B1RES1) 1RBL Biochemistry Laboratory Skills: enzymes in the biomedical practice 1RMM Methods and measures in human based research Mechanismen van gezondheid en ziekte (MGZ, MED-B1MGZK1) 1MAA Nature en nurture 1MGG Gezondheid en gedrag 1MME Metabolisme 1MFT Farmacologie, toxicologie 1MAV Aanval en verdediging																Patiëntcontacten en Professionaliteit (PCP, MED-B1PFS1) Context science and innovation (CSI, MED-B1CSIS1/MED-B1CSIO/MED-B1CSIP) 2CSI CSI toolbox 2CINT Integratieopdracht Research (RES, MED-B1RES1) 2RPP Etiological research on pregnancy outcomes 2RRA Recording and analyzing physiological signals Mechanismen van gezondheid en ziekte (MGZ, MED-B1MGZK2) 2MNAT Nature 2MNUR Nurture																Patiëntcontacten en Professionaliteit (PCP, MED-B1PFS2) Context science and innovation (CSI, MED-B1CSIS2/MED-B1CSIO/MED-B1CSIP) 3CCT Clinical trials 3CINT Integratieopdracht Research (RES, MED-B1RES2) 3RMP Meet your PhD 3RWL Wet lab research Mechanismen van gezondheid en ziekte (MGZ, MED-B1MGZK3) 3MBE Beeldvorming met ioniserende straling 3MCA Circulatie en respiratie 3MEH Energiehuishouding 3MFD Farmacodynamiek																Patiëntcontacten en Professionaliteit (PCP, MED-B1PFS2) Context science and innovation (CSI, MED-B1CSIS2/MED-B1CSIO/MED-B1CSIP) 4CIE Infectie-epidemiologie 4CCS Critical science Research (RES, MED-B1RES2) 4RAC Associations and causal relations 4RMO Modelling epidemic outbreaks Mechanismen van gezondheid en ziekte (MGZ, MED-B1MGZK4) 4MBA Balans 4MIN Immunsysteem als netwerk 4MISD Stranger-Danger 4MMC MGZ meets CSI																															
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