

Goal	Specialization	Basic Information	Contact	
Interested to become an expert in genetic diagnosis of human diseases? Would you like to use stem cells to reconstruct missing parts of the body? Or may be you are thinking in using animal models for understanding how genes work? Perhaps you would like to discover hidden gems in complex genomes? In this master you will receive up-to-date, in-depth training based on the latest genomics and genetics advances.	You may choose the Human Genetics and Genomics specialization that will train you in genomic medicine and personalized diagnosis for health, clinical and research institutions. You may choose the Genetics and Genomics of Development specialization, which will train you in the analysis of genes and genomes for research studies of development, stem cell research, regeneration and evolution.. You will be able to do your master thesis in a research laboratory (5 to 8 months research work). Several laboratories, hospitals, companies and facilities, national and international are involved in this program.	<p>Degree level Master</p> <p>Specialties Human Genetics and Development</p> <p>School (Lectures) School of Biology Campus Pedralbes University of Barcelona</p> <p>Research project (Master Thesis) Choice of over 50 research laboratories national or international</p> <p>Language of instruction English</p> <p>Duration 1 year</p>	<p>Credits 60 ECTS</p> <p>Start Studies September 26th 2023</p> <p>Pre-enrolment period From February to June 2023.</p> <p>Open on-line pre-enrolment in the web starting on February www.ub.edu/estudis/mastersuniversitaris/geneticagenomica/</p> <p>Resolution of Admissions Last week of June</p> <p>Enrollment July and September</p> <p>Eligibility Eligibility to apply for a master's program requires an applicable bachelor's degree or other equivalent qualification (see web)</p>	<p>Contact information:</p> <p>Send us a message and we will get back to you as soon as possible master.genetica@ub.edu</p> <p>Follow us on twitter @MasterGeneUB</p> <p>Get this QR for further information</p> 

Master in Genetics and Genomics

10 ECTS	Mandatory Module	Advanced Genetic Analysis and Functional Genomics Epigenetics and Cellular Memory Human Genome
15 ECTS	Speciality Modules	<p>Development & Stem Cells</p> <p>Developmental Genetics and Genomics Evolution and Development Stem Cells and Regeneration Fluorescence and Image Analysis</p> <p>Human Genetics and Genomics</p> <p>Mendelian and Complex Genetic Diseases Genetic Diagnosis Seminars in Genetics Research Forensic Genetics</p>
5 ECTS	Elective Module	Advanced Bioinformatics Advanced Techniques in Genetic Engineering High Throughput Analysis of Genomic Data Differentiation during Fetal and Neonatal Development Comparative Genomics Organogenesis and Aging Bioethics Or subjects of the other specialty
30 ECTS	Research Project and Master Thesis / TFM	Choose research project and laboratory for your Master Thesis from the list in the Master's web page.



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