


<p><b>Goal</b></p> <p>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.</p>	<p><b>Specialization</b></p> <p>You may choose the <b>Human Genetics</b> specialization that will train you in genomic medicine and personalized diagnosis for health, clinical and research institutions. You may choose the <b>Stem Cells and Development</b> specialization, which will train you in the analysis of genes and genomes for research studies of development, regeneration and disease. You will be able to do your master thesis in a research laboratory (6 to 9 months research work). Several laboratories, hospitals, companies and facilities, national and international are involved in this program.</p>	<p><b>Basic Information</b></p> <p>Degree level <b>Master</b></p> <p>Specialties <b>Human Genetics Stem Cells and Development</b></p> <p>School (Lectures) <b>School of Biology Campus Pedralbes University of Barcelona</b></p> <p>Research project (Master Thesis) <b>Choice of over 50 research laboratories national or international</b></p> <p>Language of instruction <b>English</b></p> <p>Duration <b>1 year</b></p>	<p>Credits <b>60 ECTS</b></p> <p>Start Studies <b>Last week of September 2020</b></p> <p>Application period <b>Starts on February 1, 2020. Ends on June 15, 2020</b></p> <p>Eligibility <b>Eligibility to apply for a master's program requires an applicable bachelor's degree or other equivalent qualification (see web).</b></p>	<p><b>Contact</b></p> <p>Contact information:</p> <p>Send us a message and we will get back to you as soon as possible <a href="mailto:master.genetica@ub.edu">master.genetica@ub.edu</a></p> <p>Follow us on twitter <a href="https://twitter.com/MasterGeneUB">@MasterGeneUB</a></p> <p>Open on-line pre-enrolment in the web starting on February 2020 <a href="http://www.ub.edu/estudis/mastersuniversitaris/geneticagenomica/">www.ub.edu/estudis/mastersuniversitaris/geneticagenomica/</a></p> 
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# Master in Genetics and Genomics

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

