

### **Aspects of scientific integrity**

Below a comprehensive list of issues related to scientific integrity is presented. It includes information on what to do and links to available websites/tools. The aim is not only to abide by the principles set out in the [Research Code Maastricht UMC+](#) but also to engage in a broader dialogue about scientific integrity and good practice in research.

The overview can be used for all involved in research (staff, technicians, post-docs, PhD students, bachelor/master students). Moreover, this overview has also been designed for use by supervisors and PhD students at the start of a PhD trajectory, for discussion throughout the project and during the annual assessments.

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Scientific integrity - general	Action	Available tools/websites
<b>Research integrity website</b>	Look at the FHML website	<a href="https://www.maastrichtuniversity.nl/about-um/faculties/health-medicine-and-life-sciences/research/scientific-integrity">https://www.maastrichtuniversity.nl/about-um/faculties/health-medicine-and-life-sciences/research/scientific-integrity</a>
<b>Code of Ethics</b>	Acknowledge the Research Code Maastricht UMC+, the UM Integrity code of Conduct and the Netherlands Code of Conduct and comply with their provisions in all stages of research.	- <a href="#">Research Code Maastricht UMC+</a> - <a href="#">UM Integrity Code of Conduct</a> - <a href="#">Netherlands Code of Conduct for Scientific Integrity 2018</a> . Five principles of good academic research: Honesty, scrupulousness, transparency, independence and responsibility.
<b>UM declaration of scientific integrity</b>	Sign the UM the declaration of scientific integrity	<a href="#">Declaration of scientific integrity</a>
<b>Training</b>	Follow the UM workshop ethics and integrity and the Maastricht UMC+ Online course (compulsory for all PhD candidates)	-UM workshop on ethics and integrity (in development) -Online course on scientific integrity (in development)
<b>Available tools to practice research integrity</b>	Use these tools to practice/learn about research integrity	<ul style="list-style-type: none"> <li>- The <a href="#">LAB movie</a></li> <li>- The movie '<a href="#">On being a scientist</a>'</li> <li>- <a href="#">Dilemma game</a></li> <li>- Film <a href="#">Integrity Factor</a></li> </ul>
<b>Questions or complaints concerning scientific integrity</b>	Depending on the situation: <ol style="list-style-type: none"> <li>1. Contact your manager, promotor, PhD coordinator, School or FHML confidential counsellor (informal)</li> <li>2. Contact the UM Counsellor on Scientific Integrity (informal)</li> <li>3. Contact the UM Committee on Scientific Integrity (formal)</li> </ol>	More information about the procedures can be found here: <a href="https://www.maastrichtuniversity.nl/research/integrity-ethics/scientific-integrity">https://www.maastrichtuniversity.nl/research/integrity-ethics/scientific-integrity</a>  - <a href="#">Research Code Maastricht UMC+</a>

Scientific integrity - during research process	Action	Available tools/websites
<b>Ethical requirements</b>	Look at the procedures for ethical review for research with animals, human participants or personally identifiable data as described in the Research Code Maastricht UMC+.	<ul style="list-style-type: none"> <li>-<a href="#">Research Code Maastricht UMC+</a></li> <li>-Studies that fall under the <a href="#">Medical Research Involving Human Subjects Act (WMO)</a>, review by the accredited review committee <a href="#">METC (Medisch Ethische Toetsingscommissie)</a> is mandatory;</li> <li>-For non-WMO with patients from the academic hospital: contact the <a href="#">METC (Medisch Ethische Toetsingscommissie)</a>;</li> <li>- For non-WMO, not including patients from the academic hospital, contact the <a href="#">FHML-REC</a>;</li> <li>- For <a href="#">animal studies</a> review by the IvD, CCD, DEC is mandatory</li> </ul>
<b>Research data management</b>	Make a Research data management plan Register your research in the AVG register	<ul style="list-style-type: none"> <li>- <a href="#">Research Code Maastricht UMC+</a></li> <li>- <a href="#">UM Research Data Management Code of Conduct</a></li> <li>- <a href="#">UM Research Data Management portal</a></li> <li>- For data management service, contact <a href="#">DataHub</a> and the <a href="#">DataHub Portal</a></li> </ul>
<b>Requirements if processing personal data</b>	Consider the rules regarding requirement of processing personal data as described in the Research Code Maastricht UMC+.	<ul style="list-style-type: none"> <li>-<a href="#">Research Code Maastricht UMC+</a></li> <li>-In case of processing personal data, register the data processing activities via the <a href="#">GDPR registration tool</a>;</li> <li>-For more information about GDPR, the data protection officer of the UM (<a href="mailto:fg@maastrichtuniversity.nl">fg@maastrichtuniversity.nl</a>) and the Maastricht UMC+ (<a href="mailto:functionaris.gegevensbescherming@mumc.nl">functionaris.gegevensbescherming@mumc.nl</a>) can be contacted.</li> </ul>
<b>Plagiarism</b>	Consider the rules regarding avoiding plagiarism as described in the Research Code Maastricht UMC+.	<ul style="list-style-type: none"> <li>-<a href="#">Research Code Maastricht UMC+</a></li> <li>-The University Library has a <a href="#">Similarity/Plagiarism Check Service</a> in their Research support portal. To use the similarity check service, navigate to <a href="https://umlib.nl/SimilarityCheck_go">https://umlib.nl/SimilarityCheck_go</a>, and login using your own credentials.</li> </ul>
<b>Authorship</b>	Consider the rules regarding authorship as described in the Research Code Maastricht UMC+.	<ul style="list-style-type: none"> <li>-<a href="#">Research Code Maastricht UMC+</a></li> </ul>
<b>Conflict of interest</b>	Consider the rules regarding conflict of interest as described in the Research Code Maastricht UMC+. Researcher are expected to inform their manager directly whether they are facing a possible conflict of interest.	<ul style="list-style-type: none"> <li>-<a href="#">Research Code Maastricht UMC+</a></li> </ul>

<b>Collaboration with third parties</b>	Consider de rules regarding collaboration with third parties as described in the Research Code Maastricht UMC+. Before entering an agreement with an external partner contact the office support unit of the applicable FHML School/Institute who involve Legal Affairs or CTCM.	<a href="#">-Research Code Maastricht UMC+</a>
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