

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 PhD 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
Scientific integrity website	Check the FHML website	https://www.maastrichtuniversity.nl/about-um/faculties/health-medicine-and-life-sciences/scientific-integrity
Code of Ethics	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.	- Research Code Maastricht UMC+ - UM Integrity Code of Conduct - Netherlands Code of Conduct for Scientific Integrity 2018 . Five principles of good academic research: Honesty, scrupulousness, transparency, independence and responsibility.
UM declaration of scientific integrity	Sign the declaration of scientific integrity via PhD Track (for all PhDs)	Declaration of scientific integrity via PhD Track
Training	Follow the UM workshop ethics and integrity and the FHML/MUMC+ in depth online course scientific integrity	- UM workshop on ethics and integrity (UM Graduate School) - FHML/MUMC+ in depth online course scientific integrity (SCIIN-ID)
Available tools to practice research integrity	Use these tools to practice/learn about research integrity	-The LAB movie -The movie 'On being a scientist' - Dilemma game -Film Integrity Factor
Questions or complaints concerning scientific integrity	Check the roadmap 'scientific integrity and social safety' Depending on the situation: 1. Contact your manager, promotor, PhD coordinator, School or FHML confidential counsellor (informal) 2. Contact the UM Counsellor on Scientific Integrity (informal) 3. Contact the UM Committee on Scientific Integrity (formal)	More information about the procedures can be found here: https://www.maastrichtuniversity.nl/research/integrity-ethics/scientific-integrity - Research Code Maastricht UMC+ - Roadmap 'scientific Integrity and social safety'

Scientific integrity - during research process	Action	Available tools/websites
Ethical requirements	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"> - Research Code Maastricht UMC+ - Studies that fall under the Medical Research Involving Human Subjects Act (WMO), review by the accredited review committee METC (Medisch Ethische Toetsingscommissie) is mandatory; - For non-WMO with patients from the academic hospital: contact the METC (Medisch Ethische Toetsingscommissie); - For non-WMO, not including patients from the academic hospital, contact the FHML-REC; - For animal studies review by the IvD, CCD, DEC is mandatory
Research data management	Make a Research data management plan Register your research in the AVG register	<ul style="list-style-type: none"> - Research Code Maastricht UMC+ - UM Research Data Management Code of Conduct - UM Research Data Management portal - For data management service, contact DataHub and the DataHub Portal
Requirements if processing personal data	Consider the rules regarding requirement of processing personal data as described in the Research Code Maastricht UMC+.	<ul style="list-style-type: none"> - Research Code Maastricht UMC+ - In case of processing personal data, register the data processing activities via the GDPR registration tool; - For more information about GDPR, the data protection officer of the UM (fg@maastrichtuniversity.nl) and the Maastricht UMC+ (functionaris.gegevensbescherming@mumc.nl) can be contacted.
Plagiarism	Consider the rules regarding avoiding plagiarism as described in the Research Code Maastricht UMC+.	<ul style="list-style-type: none"> - Research Code Maastricht UMC+ - The University Library has a Similarity/Plagiarism Check Service in their Research support portal.
Authorship	Consider the rules regarding authorship as described in the Research Code Maastricht UMC+.	<ul style="list-style-type: none"> - Research Code Maastricht UMC+
Conflict of interest	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"> - Research Code Maastricht UMC+

Collaboration with third parties	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.	-Research Code Maastricht UMC+
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