

Description of the course

Researchers prefer not to consider the risks which can be caused by their own work in the laboratory. They distance themselves from the possible work-related risks using various arguments, such as: it should be fine, before me they did it in this way, we want to use the same technique as the research group we collaborate with. Sometimes these arguments are valid, but there is no harm in looking critically at the risks. And this does not only involve the risk of fires or explosions. More and more scientific research has shown that in fact, exposures which have taken place in the past can have deleterious effects on the long term.

This one day course provides guidelines for the objective assessment of these risks and, based on this knowledge, the application of the right measures according to the occupational hygiene strategy. On the one hand this is a refresher course, but on the other hand it will become clear to the participant which technical and organizational measures have been taken within the LUMC to perform research responsibly. Which requirements should a laboratory meet? Where can I find safety information? Which rules apply and why? All these matters have been arranged within the LUMC, but they may not be entirely clear yet.

Content

The course will start with risk perception: which factors motivate risk-taking? This will be followed by a good approach to risks: if we cannot remove the cause, then what will be the next step? Subsequently, several topics will be discussed in more detail: dangerous substances, biological agents, radioactive substances and the environment. The day will be ended with an example case.

Course material

Code of Conduct for Biosecurity (download from LMS) or download from the KNAW website:

<https://www.knaw.nl/nl/actueel/publicaties/a-code-of-conduct-for-biosecurity>

Reading suggestions

- Managing safety, health and environmental risks in laboratories (ISBN: 978 90 77423 69 1) See:

<http://www.syntaxmedia.nl/show-book.php?id=92>

- Code of conduct for biosecurity (download from course material)

- Website DokterHoe: www.dokterhoe.nl

Program

Tijd / time	Subject	Onderwerp	Docent / teacher
9.15 – 9.30	Introduction	Introductie	Fred van Dam
9.30 – 10.15	Toxic chemicals	Gevaarlijke stoffen	Fred van Dam
10.15 – 10.45	Biological agents	Biologische agentia	Gijsbert van Willigen
10.45 – 11.00	Coffee/thee	Koffie/thee	

11.00 – 11.30	Biosecurity	Biosecurity	Gijsbert van Willigen
11.30 – 12.00	Physical Strain	Fysieke belasting	Paul Everaert
12.00 – 12.45	Lunch	Lunch	
12.45 – 13.15	Ionising radiation	Ioniserende straling	René Huinen
13.15 – 13.40	Transport and disposal hazardous waste	Afvoer van gevaarlijk afval	Fred van Dam
13.40 – 13.45	In conclusion, certificates	Afronding, certificaten	Fred van Dam
13.45 – 14.30	Excursion waste depot	Bezoek afvalstation	Fred van Dam

Costs

As a LUMC-employee this course is for free.