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Erratum to the dissertation titled "Integration and visualization of scientific big data to aid systems biology research"

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Originalveröffentlichung in:

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Corrigendum

The following paragraph on page 15 contains false scientific statements:

Most of the proteins are synthesized in the endoplasmic reticulum, and many proteins are exported to other organelles in the cells. These proteins have a short target peptide (usually 3-70 amino-acid long) in their sequence and it is used by the cellular transport machine to deliver the protein into the right compartment. The short target peptide is either located in the middle of the sequence or in the latter case on the end of the protein (C- or N-terminus). When the protein reaches its final destination, the target peptide is cleaved.

It should be replaced with the following:

The proteins are synthesized in the cytoplasm by the ribosomes. The ribosomes can float freely in cytoplasm or membrane-bound to the surface of the rough endoplasmic reticulum. The proteins can have a short target peptide (usually 3-70 amino-acid long) in their sequence and this peptide sequence defines the final destination of the protein. The target peptide is either located in the middle of the sequence or on the C- or N-terminus of a protein. In the latter case the target peptide is cleaved off, after the protein has been transported.

