



**Life Sciences und
Facility Management**

Neural Networks and Deep Learning for Life Sciences and Health Applications

An introductory course about
theoretical fundamentals, case studies
and implementations in Python and
Tensorflow

Neural Networks and Deep Learning for Life Sciences and Health Applications

Neural networks and deep learning have become state-of-the-art techniques that allow machines to surpass or even outperform humans at specific cognitive tasks. For example, thanks to these techniques, machines win against the best human player at the game Go and automatic speech recognition has become a useful feature of every smartphone. These methods and algorithms have the potential to change and disrupt entire industries, and indeed they are applied very successfully in a variety of fields such as life science, medicine, physics, trading, insurance, entertainment industry and many more. Learning these techniques and methods is a challenge. It is notoriously difficult to find material that goes deep enough in the subject to allow data scientists to learn the concepts and the intricacies of the algorithms. This course provides you with the opportunity to enter this exciting field and to apply what you will learn in interesting projects. The collaboration with the startup 4quant will also allow you to enter in contact with practitioners in the field at the forefront of research. The course is suitable for people with basic programming experience and with basic knowledge in linear algebra and calculus. However, the course will cover all the material you will need.

Main lecturer: Umberto Michelucci
Location: Zürich (ZHAW, Lagerstrasse 41)
When: Tuesday 17:15 - 20:00
23.10.2018 until 05.02.2019
Cost: CHF 760 (regular), CHF 360 (students)

For more information, visit our info event and our website:
<https://goo.gl/KzWUDX>

Info Event

**Monday,
1 October 2018
6 pm**

**ZHAW
Lagerstrasse 41
8021 Zürich
Room: ZL 03.9**

Register at:
<https://goo.gl/KzWUDX>