



SWISS ASSOCIATION OF COMPUTATIONAL CHEMISTRY (SACC)  
ASSOCIATION SUISSE DE CHIMIE COMPUTATIONNELLE (ASCC)

# Tutorial

## First Steps in Quantum Computing using Qiskit



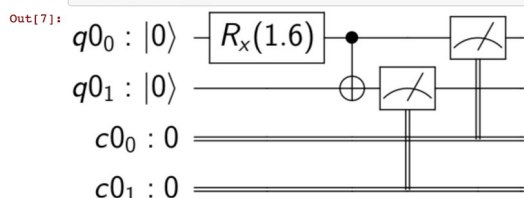
```
In [7]: from qiskit import QuantumRegister, ClassicalRegister, QuantumCircuit
        from qiskit.tools.visualization import circuit_drawer
        import numpy as np

        qr = QuantumRegister(2)
        cr = ClassicalRegister(2)
        qc = QuantumCircuit(qr, cr)

        qc.rx(np.pi/2, qr[0])
        qc.cx(qr[0], qr[1])

        qc.measure(qr, cr)

        circuit_drawer(qc)
```



**University of Zürich-Irchel**

**7. February 2020**

**10:00 – 16:00**

**Location: Y34-K-01**

**Registration: [hutter@chem.uzh.ch](mailto:hutter@chem.uzh.ch)**