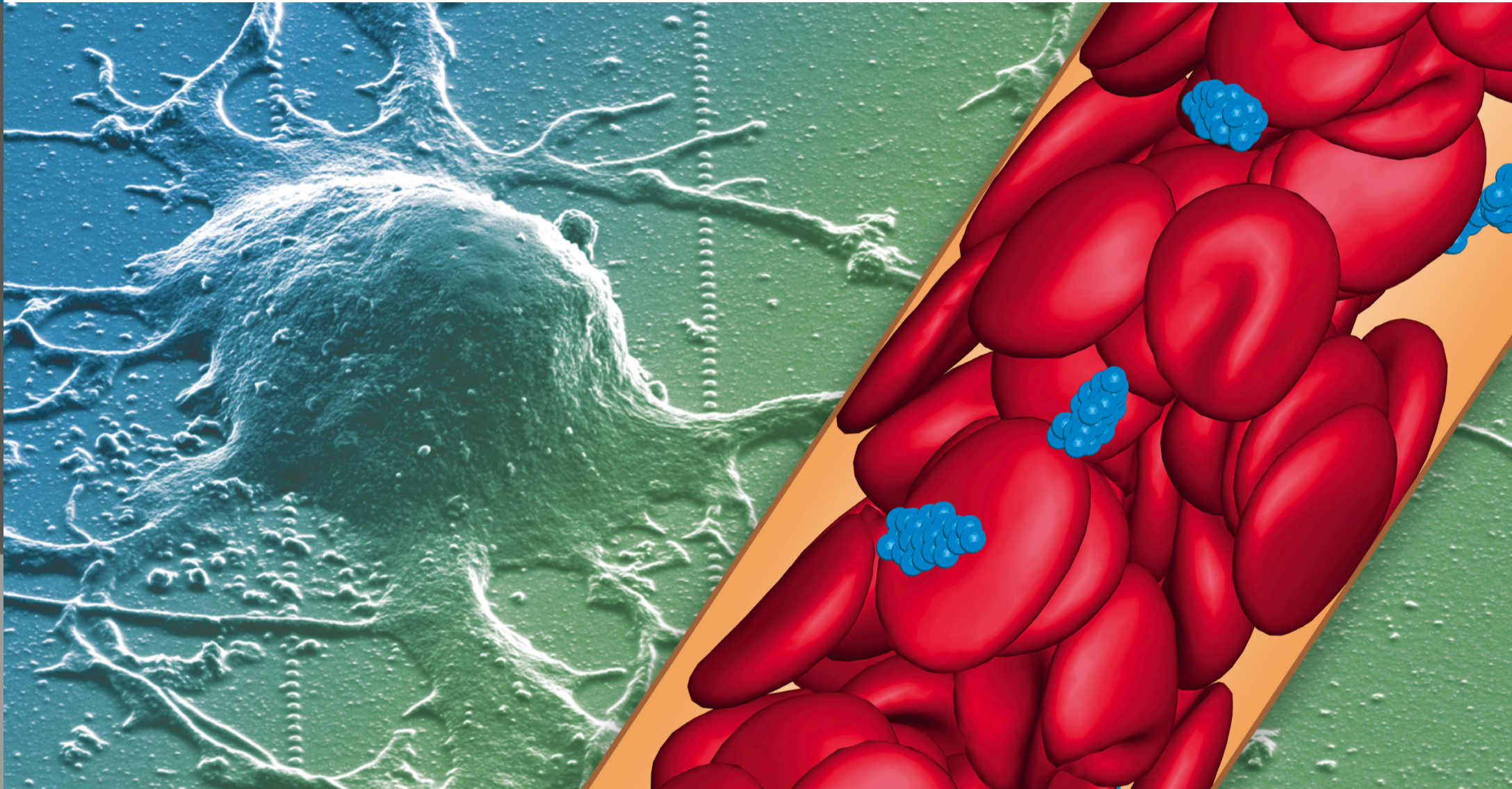


49<sup>th</sup> IFF Spring School 2018

# Physics of Life

26<sup>th</sup> February – 9<sup>th</sup> March 2018 • Jülich • Germany



Foreground: red blood cells and von Willebrand factor proteins, which play an important role at the start of the blood clotting process, in capillary flow – snapshot of a hydrodynamic simulation (ICS-2)  
Background: nerve cells (neurons) grown on a substrate (ICS-8)

- **Experimental & theoretical methods**
- **Bio-macromolecules**
- **Membranes and cells**
- **Cell cytoskeleton and motility**
- **Active matter**
- **Biological tissue**
- **Collective behaviour**
- **Systems biology**
- **Physics of disease**
- **Neurobiology**

Two-week course with around 50 hours of lectures for students and young scientists.

**Deadline for applications: 20<sup>th</sup> December 2017**

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