Empa - the place where innovation starts

Empa is the research institute for materials science and technology of the ETH Domain and conducts cutting-edge research for the benefit of industry and the well-being of society.

The Laboratory Transport at Nanoscale Interfaces pioneers and implements novel fabrication methods for functional nanostructured interfaces. We develop fundamental understanding in the opto-electronic, thermal and ionic transport properties of low-dimensional materials & devices and transfer our knowledge to applications for biochemical sensing and bioelectronics.

To strengthen our interdisciplinary team, we look for a

Group Leader (Tenure Track) in the area of Functional interfaces and biosensing

Your tasks
- You take the lead of a research team in the field of biosensing.
- You establish an original and creative research portfolio, striving for excellence, develop novel experimental methods and develop your team according to the research portfolio.
- You actively collaborate with other Empa units, with national and international research teams and with industrial partners.
- You successfully present your results in peer-reviewed scientific journals and at international conferences.
- You successfully acquire external funding and support the laboratory mission.

Your profile
- PhD degree in biophysics, physics, nanoscience, materials science, or a closely related field.
- Experience in leading a scientific group.
- Internationally recognized scientific excellence and research independence.
- International collaboration network.
- Profound expertise in liquid-solid interfaces, biochemical surface modification & characterization, bio-materials & low-dimensional materials characterization.
- Creative, curious and a talent for interdisciplinary research.
- Demonstrated track-record in project acquisition (SNF, EU or similar)

We offer a challenging executive position at a research institution with excellent infrastructure and broad interdisciplinary surrounding. The position is available upon agreement and will initially be limited to three years. Contract extension and tenure evaluation will be performance based. The work will be carried out at Empa Dübendorf and Empa St. Gallen.

Applications shall include a motivation letter, CV, publication list, research statement (max 6 pages) and at least 3 references. Please upload the requested documents through our webpage. Applications via email will not be considered.

For further information about the position, please contact Prof. Dr. Michel Calame, michel.calame@empa.ch, +41 58 765 4260 and visit our website www.empa.ch/web/s405 and Empa-Video.