

Empa's Research Group Plasma & Coating in St.Gallen, Switzerland, is offering a position for a 2-3 year

Post-Doc or Scientist (100%) in the field of Plasma-Chemical Deposition Processes

Plasma-chemical deposition processes allow for the controlled functionalization of material's surfaces at the nanoscale. The research includes, but is not limited to, in-depth studies of plasma processes to achieve high control over film chemistry and nanostructure at moderate ion bombardment, building on the extensive experience and leading know-how of the group. Improved understanding based on plasma diagnostics and surface analytics will pave the way to coat soft materials as well as to deposit functional multilayers to attain novel surface properties. An important part of the work considers the interaction of plasma-modified surfaces with water as well as metal-polymer bonding, which is highly relevant in the biomedical and other fields.

Desired qualifications

You have a Ph.D. in chemistry, physics, materials science or similar. Ideally, you bring sound knowledge in surface science and/or plasma technology. Creation of own ideas and strong self-motivation is highly desired. Candidates with demonstrated research skills and good publication records will be considered. Fluency in English is required, further knowledge of German (or another language spoken in Switzerland) is a plus. To be considered as a scientist, prior experience of 2-3 years as Post Doc is necessary.

You will work in an ambitious team combining strong experience in plasma technology, basic research, and established industry contacts. Scientific exchange within the group as well as with further scientists from Empa and other institutes is encouraged.

Your Application

Submit your online application at <https://apply.refline.ch/673276/1448/pub/1/index.html> including a letter of motivation, your CV, a list of publications, diplomas with transcripts, and names of academic referees.

For further information contact Dr. Dirk Hegemann, phone +41 58 765 7268, e-mail: dirk.hegemann@empa.ch and visit our websites www.empa.ch/web/s402 and [Empa-Video](#)