Lausanne, novembre 3, 2021

Open Post-doc positions in organic-inorganic hybrid perovskite solar cells at EPFL

The Laboratory for Molecular Engineering of Optoelectronic Nanomaterials (LIMNO, headed by Prof. Kevin SIVULA) in the Institute of Chemical Sciences and Engineering at the Ecole Polytechnique Fédérale de Lausanne (EPFL) invites applications for Post-Doctoral positions in developing high performing and stable organic-inorganic hybrid perovskite solar cells for building-integrated photovoltaic (BIPV) application.

Starting date: The position is open for March 1st 2022 or after.

Position: This project is in the framework of a research consortium with an industrial partner and other academic partners from South Korea. The role of LIMNO in this project is to develop robust organic-inorganic hybrid perovskites suitable for BIPV via organic cation modification and to apply molecular engineering strategies to enhance charge transfer at device interfaces. The successful candidate is a highly motivated individual who will be expected to work with the following topics: organic-inorganic hybrid perovskite solar cell fabrication, organic materials synthesis, in-depth materials/interface characterization, and material/device stability characterization. The initial appointment will be for one year at a salary of approximately 80'000 – 90'000 CHF/year depending on qualifications. Contract extension is possible based on mutual agreement. The duration of the project is three years.

Requirements: A PhD in Chemistry, Chemical Engineering, Materials Science/Engineering, or other related disciplines is generally required. **Significant experience in organic-inorganic hybrid perovskite solar cells (in particular on p-i-n device structure) is a must. Experience in organic synthesis (even in simple synthesis) will be highly welcome.** The candidate should be enthusiastic about working in the atmosphere of a dynamic and multidisciplinary research team. It is noted that English is the working language.

Application: Interested candidates should include a cover letter (including a brief statement of motivation and career objective), and curriculum vitae (including a list of publications, and names and contacts of three references). Candidates who will be further considered will be invited for zoom interviews, and on-site visits when possible.

The school: The Ecole Polytechnique Fédérale de Lausanne is in the heart of Europe and is Europe's most cosmopolitan technical university. It receives students, professors and staff from over 120 nationalities. EPFL is evaluated as the 14th best university in the world across all field in 2021 in the QS World University Rankings. The Institute of Chemical Sciences and Engineering is world-leading in the development of perovskite solar cells. More information about EPFL and the Institute of Chemical Sciences and Engineering can be found at: http://www.epfl.ch/ and http://isic.epfl.ch.

To submit applications or request further information please contact:
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