

## (POST)DOCTORAL POSITION IN CATALYSIS FROM FIRST PRINCIPLES

A postdoctoral position is available immediately in the laboratory of [Theory and Simulation of Materials](#) (THEOS) and the [National Centre for Computational Design and Discovery of Novel Materials](#) (MARVEL), led by Prof. Nicola Marzari, to work on high-throughput screening of novel catalysts from first principles. The work will take place in close collaboration with experimental groups at the Paul Scherrer Institute and at ETHZ.

Candidates are sought with passion and commitment to the field and with a commensurate academic record. Expertise in the development and application of first-principles techniques is required; experience with high-throughput calculations and multiscale electrochemistry a plus (see e.g. [1] and [2]).

The laboratory offers a thriving intellectual environment and outstanding computational resources and facilities, together with the world-class environment of EPFL and the activities at CECAM headquarters.

Candidates should submit a full CV, including contacts for at least two references, and a cover letter of intent to [nicola.marzari@epfl.ch](mailto:nicola.marzari@epfl.ch) with "EPFL CAT application" in the subject line. Shortlisted candidates will be contacted individually for interviews, usually over Skype videoconferencing.

Initial salary for a freshly minted PhD is 81,400 CHF p/a (taxes ~25%). The position is renewable yearly, up to between 2 and 4 years. An outstanding doctoral candidate with expertise in the field could also be considered – in this case the position would be for 4 years (starting salary 51,700 CHF p/a).

[1] G. Pizzi, A. Cepellotti, R. Sabatini, N. Marzari, and B. Kozinsky, <http://www.aida.net>.

[2] O. Andreussi, I. Dabo, I. Timrov, and N. Marzari, <http://www.quantum-environment.org>.

