

The [Ophthalmic Technology Laboratory \(OTL\)](#) of the University of Bern along with the [Paul Scherrer Institute \(PSI\)](#) and [Medical Image Analysis Laboratory \(MIAL\)](#) of the University of Lausanne are looking for a:

Postdoctoral fellow in Computer Vision and Machine Learning

for a research and development project on automated treatment planning for proton beam therapy for ocular tumors. The position is for a 1-year duration with an opportunity to continue beyond this duration if desired.

Activities:

- Research new strategies in segmentation and registration of MR images
- Development of a planning system for tumor treatment
- Coordination of project tasks with other engineers, MRI technicians and clinicians
- Possibility for supervision of PhD and MSc students
- Writing scientific publications

Requirements:

- PhD in medical imaging, computer vision, machine learning or other relevant fields.
- Excellent publication record (e.g. at least one publication in MICCAI, TMI, MedIA, TPAMI, etc...)
- Strong English communication skills (both written and spoken)
- Willingness to work in multiple sites within Switzerland
- Experience in software development (C++, python, MATLAB)
- Experience in MR technology would be beneficial but is not a necessity

About the position:

The University of Bern is located in the heart of Switzerland. Salaries for post-doctoral fellows start from CHF 81,000 per year, the precise amount to be determined by the University's department of human resources.

The position is within a collaborative multi-site research project with the University of Lausanne and the Paul Scherrer Institute (Villigen). Travelling within these three institutions will be necessary.

Start date:

January 2017 (flexible start date possible as well).

Application deadline:

November 1st, 2016

To apply:

Applications must be sent by email (with subject "[OPPP-02] Postdoc position") to Prof. Dr. Raphael Sznitman (raphael.sznitman@artorg.unibe.ch) and must contain a statement of interest (max 1 page), a CV, a list of publications and the names of three references.