In our project ePIN-opt (electronic Pollen Information Network Optimisation) we have an open position ([www.pollenscience.eu](http://www.pollenscience.eu) and www.ePIN.bayern.de). Your task will be the adaptation and running of the existing pollen flight prediction model SILAM (http://silam.fmi.fi/pollen.html ) for Bavaria, with the help of Prof. Dr. Mihail Sofiev, Finland, and extending this system to incorporate the data of automatic pollen monitors from Bavaria, Germany. One example in the world, also with Prof. Dr. Mihail Sofiev, is available where this is already done. However, incorporating a network of monitoring stations into SILAM is new.

The job requires interest in pollen, automatic pollen monitoring, and making pollen flight predictions. Knowledge on “R” or “Python” is helpful. IT-specialists to assist you are available. If successful, you will automatically deliver a prediction of the next 3 days pollen flight in Bavaria, Germany.

**Post-doc position 100% E13 for ePIN (electronic Pollen Information Network), 3 years full-time**

**Your tasks:**

* Teamwork with installing SILAM at the Leibnitz Supercomputer in Munich, Germany
* Incorporation of local weather parameters and Bavaria vegetation maps in SILAM (customizing)
* Incorporation of automatically generated pollen data into SILAM
* Evaluation whether the system runs better with or without automatic pollen counts incorporated

**Your Profile:**

* PhD in a related subject (environment, biology, IT, etc.)
* Interest in pollen
* IT knowledge in data evaluation (R, Python,...)
* Flexibility and perseverance (you will learn on the job)

**We offer:**

* A diversity of scientifically challenging topics in a modern, well equipped institution
* Support by knowledgeable colleagues, also in IT
* Possibilities of internal and external further education
* Working in the center of Munich, Germany with good public transport connections. Job tickets are available.
* Beside the legal required support, additional financial support for your pension

**We are looking forward to your application!**

Please send your application (including preferred starting time) with the necessary documentation till 30 October 2022 per E-Mail to:

Prof. Dr. J. Buters, Deputy Director ZAUM

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