A postdoctoral fellow position is available in the INRIA team *Popix* in Orsay, France.

Popix (http://team.inria.fr/popix) develops new methods for population modelling that are applied in the areas of pharmacology, genetics, toxicology, biology, agronomy, and economy. Our key application is population pharmacokinetic/ pharmacodynamic modelling, and some of our work is implemented in the MONOLIX software (http://www.lixoft.net/monolix/overview). Our lab is located in the Mathematics Department of Paris-Sud University, one of the most dynamic places for mathematics in Europe.

The postdoctoral fellowship is sponsored by the DDMoRe project (www.ddmore.eu). One of the objectives of DDMoRe is to develop new tools for Model Based Drug Development. One potential research topic is the extension of current methods to deal with problems in (high-dimensional) pharmacogenetics. The new method is expected to accept a large number of explicative covariates, to perform parameter estimation, and to find a small number of genetic covariates which influence patient responses.

Successful applicants are expected to have a doctor's degree in applied mathematics and statistics with knowledge in (non)linear mixed-effects models and MCMC methods, or a doctorate in pharmacometrics. Programming skills in software such as Matlab or R is required. Some biological background would be a definite plus.

Qualified applicants should send their CV and a brief summary of past accomplishments via email to Marc Lavielle, team-leader of Popix: Marc.Lavielle@inria.fr .