Job opportunity (permanent work contract): Modeling Scientist - Sanofi R&D - Location: Paris (France)

Sanofi R&D is looking for a highly motivated and creative individual to join its Modelling & Simulation group in Paris. The individual will primarily be responsible for developing and executing PK/PD and Physiologically-based PK (PBPK) Modelling and Simulations (M&S) analyses to support drug development from discovery to late clinical stages in a variety of therapeutic areas for both small and large molecules. The candidate must have strong experience in PK/PD, PBPK modelling in the pharmaceutical industry and/or academia.

Main Responsibilities & Accountabilities:

* Implements innovative quantitative methods to integrate data of pharmacokinetics, pharmacodynamics, biomarkers and preclinical or clinical outcomes with information of patient characteristics, pathway biology, disease physiology and disease progression to facilitate quantitative decision making in support to projects.

* Elaborates and executes PBPK and PK/PD modeling strategies in order to support model informed drug decisions in discovery programs, in strong collaboration with preclinical teams (Biopharmacy, DMPK, pharmacology and toxicology)

* Works and communicates interactively with people from diverse scientific backgrounds in a multi-disciplinary environment and interacts effectively with project teams representatives

* Ensures quality of the study plan, protocols, reports, sections of reports required for regulatory submissions to health authorities

* Maintains state-of-the art knowledge of modelling techniques and works in compliance with guidance of regulatory authorities.
Education and Experiences Required:

* PhD or equivalent degree in pharmaceutical sciences, mathematics or similar disciplines with demonstrated expertise and a track record in PBPK and Pharmacometrics.

*Excellent programming skills (e.g.: R, Matlab, SAS,...) and solid hands-on experience (minimum of 3 years' experience) in Population PK/PD modelling tools (e.g. NONMEM, Monolix, PFIM, STAN,..). Also practice in Physiologically-based pharmacokinetics modelling (e.g.: SimCYP, PK-sim MoBi, Gastro-Plus) would be a strong asset.

* Excellent written and verbal communication skills, with successful presentation capabilities

* At ease in working in a dynamic matrix organization and team player

*Proficient in spoken and written English and ability to communicate in French is an asset

For further details on this position, please contact Laurent Nguyen by email: laurent.nguyen@sanofi.com