

TM Academy fellow in PKS Data Science

Job ID
REQ-10038977
Feb 05, 2025
Switzerland

Summary

Do you want to apply your expertise to advancing the practice of Pharmacokinetic Sciences (PKS)? As a Translational Medicine (TM) Academy fellow in PKS, you will join our Modeling & Simulation team for a 2-year period to help us to unleash the power of data science for translational drug discovery and development. With state-of-the-art machine learning and mechanistic modeling, including physiologically-based pharmacokinetic (PBPK) methods, you will help accelerate the design and selection of promising drug candidates.

About the Role

At Translational Medicine, we are committed to bringing breakthrough medicines to patients and bridging the gap between research and clinical application. TM plays a pivotal role in bringing innovative medicines to patients, by building on research advances to develop new therapies, and bridging drug discovery and clinical application. At TM, our work directly impacts patients worldwide.

During this intense 2-year program, you will receive training and mentorship, with the empowerment to learn and work in a diverse, multicultural, global and inclusive environment where innovation and revolution in medicine become a reality. If you are ready for a transformative experience and want to make a real impact on the lives of millions, then this is the opportunity for you!

Duration of program: 24 months

Program start: September 2025

Applications are open until 03 March 2025 included.

JOB DESCRIPTION

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TM Academy is designed for individuals with diverse backgrounds and experiences:

- **Career starters:** recent university degree graduate within the past 2 years
- **Career changers:** professionals with experience from a different field
- **Career relaunches:** professionals wanting to return to work after a career break

- be trained and onboarded by experts
- embark on a progressive, blended and flexible learning experience covering conceptual, theoretical and experimental techniques
- gain hands-on experience by contributing to and supporting drug discovery projects and research activities
- broaden your professional horizon by doing a deep dive in one of the PKS focus areas aligned with your interests and based on opportunities

Role requirements

- interest in translational pharmacokinetic sciences
- advanced university degree (e.g. MSc or PhD, or equivalent experience in a quantitative field including computational sciences, physics, bioengineering, mathematics, economics, computational biology, cheminformatics, machine learning, data science)
- Proven proficiency in Python, R, and/or MATLAB
- business-level English; oral & written
- good organizational and interpersonal skills
- ability to work in a team and independently, managing multiple priorities with support
- strong data exploration and data science skills including machine learning and statistical techniques.

These additional skills would be a plus:

- machine learning and/or mechanistic modeling experience
- ADME/PK and pharmacology knowledge
- research experience, preferably in drug discovery or modeling

Are you interested? - Submit your CV and motivation letter explaining your profile and interest in English to <https://www.novartis.com/careers>

Refugees with a valid S Swiss permit are also welcome to apply.

Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to diversity.inclusion_ch@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: <https://talentnetwork.novartis.com/network>

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: <https://www.novartis.com/careers/benefits-rewards>

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