

Research Digitalization Leader (100%)

General information



Reference

2024-155

Information about Molecular Partners AG

Founded in 2004 by a group of PhD students as a spin-off from the University of Zurich, Molecular Partners AG is a thriving and steadily growing clinical stage biotech company located in Zurich-Schlieren (Switzerland) with 200 highly qualified employees. In order to advance modern medicine and significantly improve the management of serious diseases, we have developed and successfully established a powerful new class of potent, specific and versatile small protein therapies, called DARPIn therapeutics. The continuous development of a broad portfolio of therapeutic product candidates in oncology, virology and ophthalmology based on the company's proprietary DARPIn platform allowed a successful listing of the company on the SIX Swiss Exchange and Nasdaq (ticker: MOLN). Next to our own pipeline of drug candidates we have entered into collaborations with leading international pharmaceutical companies, including AbbVie, Amgen and Novartis. The highly dedicated, multi-disciplined team at MP is committed to developing breakthrough medicines for serious diseases.

Position description

Position title

Research Digitalization Leader (100%)

Job description

This interdisciplinary position plays a pivotal role in driving the digital transformation of our research engine to DARPIn based therapeutics, ensuring the integration of cutting-edge technologies to enhance efficiency, collaboration, and innovation within the research and development (R&D) teams. This role requires a strategic thinker with a deep understanding of biotechnology, digitalization trends, and a proven track record of implementing digital solutions in a research-intensive environment.

Digital Strategy and Implementation Plan:

- Collaborate with our research, IT, Digitalization Circle, and data science teams to refine our digitalization strategy, incorporating and leveraging machine learning and generative AI to advance research workflows and accelerate scientific discovery.
- Develop - in collaboration with different stakeholders -an implementation plan, starting with a few achievable projects with notable advantages for employees and company.
- Take the lead in building the necessary underlying data architecture as source, enabling digitalization

efforts.

- Translation of digital strategy initiatives and respective return for company into form allowing management team to make investment decisions.

Data Management Analytics:

- Implement advanced data analysis solutions machine learning algorithms for data analysis and pattern recognition to derive valuable insights from large dataset and facilitate data-driven decision making and hypothesis generation.
- Establish robust data management practices to ensure the quality, security, and accessibility of research data.

Workflow Optimization:

- Identify opportunities to optimize research workflows, automate routine tasks, and accelerate data analysis.
- Integrate generative AI approaches to facilitate the design and discovery of new biological entities, compounds, or materials.

Collaboration and Training:

- Foster interdisciplinary collaboration between research scientists, IT professionals, and data scientists to leverage the use of digital tools, knowledge sharing and cross-functional teamwork.
- Develop and deliver training programs to empower researchers with the necessary skills to leverage digital tools effectively.

Technology Implementation:

- Identify, evaluate, and implement emerging technologies, tools, and platforms that enhance data collection, analysis, and data-driven decision-making predictive modeling.
- Oversee the integration of laboratory information management systems (LIMS), electronic laboratory notebooks (ELN), and other digital tools to streamline research processes.

Compliance and Security:

- Ensure that digitalization initiatives comply with relevant industry regulations and data security standards.
- Implement and enforce best practices for data integrity, privacy, and confidentiality in alignment with regulatory requirements.

Requirements

- Advanced degree (Ph.D. preferred) in a relevant scientific discipline (biology, biochemistry, biotechnology, Digital Sciences, IT, etc.).
- Proven experience (10+ years) in a similar role within the biotech or pharmaceutical industry.
- Ability to develop strategies and setting bold visions, linked to the perseverance and dedication to see through the implementation.
- Experience in implementing machine learning and generative AI solutions in a biotechnology or pharmaceutical research environment.
- In-depth knowledge of biotechnology research processes (drug development, lead generation, clinical research, etc.) and digital technologies.
- Strong project management skills with a track record of successfully leading digitalization initiatives.
- Excellent communication and leadership skills to collaborate effectively with cross-functional teams.
- Familiarity with regulatory requirements and compliance standards in the biotech industry.
- Excellent communication and interpersonal skills to experts and stakeholders at all levels.

Our offer

Partnership and collaboration are at the core of our company, our research activities and our product candidates. Molecular Partners offers an international working environment and the opportunity to collaborate with outstanding individuals from numerous disciplines, who contribute to our shared goals of scientific excellence, respectful teamwork and personal aspiration. We foster true innovation and creative thinking to advance our therapeutic product candidates and continue to be inspired by the difference we can make for our patients. At Molecular Partners you will discover a challenging job, inspiring colleagues and a true purpose. If you are interested in working at Molecular Partners, we are looking forward to hearing from you! Please submit your detailed curriculum vitae via our career portal.

We only accept online applications.

Position location

Job location

Switzerland, Zürich, Schlieren

Preferred head hunter clause

Please note Molecular Partners AG operates a list of preferred recruitment partners. For those partners who have no valid, signed agreement in place with Molecular Partners AG, all unsolicited resumes, CVs, anonymous profiles, or any other candidate details submitted through our website or to personal e-mail accounts of employees of Molecular Partners AG (including any of its subsidiaries, affiliates or related companies) are not subject to payment of any form of introduction, placement or referral fees.

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