Investigator - Biology

Job ID
REQ-10016346
Aug. 22, 2024
Schweiz

Zusammenfassung

We are seeking a dedicated, creative, and skilled physiologist to study how the age-related decline of organ and tissue homeostasis, and associated changes in metabolism and endocrine systems cross-talk contribute to diseases of aging across the core therapeutic areas of Novartis including cardiometabolic/renal diseases, oncology and neurodegeneration. You will join our global, dynamic, research environment to enable the discovery of new medicines addressing diseases of aging. Our vision is to pioneer the development of novel therapeutic approaches from an understanding of age as the biggest risk factor for age-related disease. The ideal candidate will have a strong physiology background, experience of human physiology and its back-translation to rodent model systems. As part of the Diseases of Aging and Regenerative medicine (DARe) Disease Area you will work across Physiology and In-vitro Science Units and have the opportunity to drive research on elucidating and targeting the molecular mechanisms underlying diseases of aging to develop regenerative pharmacological interventions for patients in areas of core interest to Novartis.

About the Role

Key responsibilities:

- Managing a small in vivo laboratory team, designing and conducting state-of-the-art *in-vivo* mouse and rat experiments in support of research to develop novel therapeutics for age-related diseases.
- Mentoring and career development of direct reports.
- Hands-on laboratory research including both in vivo and follow up ex vivo tissue and biofluid analyses applying a broad range of molecular and cellular techniques.
- Work at the interface between *in-vitro* biology, integrated pharmacology, data science, aging research and disease experts globally across Novartis Biomedical Research to deliver new and actionable therapeutic targets addressing diseases of aging, such as cardiometabolic/renal diseases and neurodegeneration.
- Develop and maintain state-of-the-art animal work, in particular focused on pathophysiological organ cross-talks during aging, loss of regenerative capacity, and extracellular matrix.
- Support the identification of biomarker candidates, elucidation of the mode of action of drugs and understanding of cross-talk across organs and disease trajectories.

Essential Requirements:

- PhD and post-doctoral research in physiology and hands-on experience designing and conducting

experiments with small rodents.

- LTK1, FELASA B or equivalent.
- Deep knowledge of human and animal physiology across organs, endocrine systems, metabolism and tissue homeostasis.
- Fluency in the handling and analysis of large datasets and integration of genomic, proteomic and metabolomic data into research.
- Highly motivated to learn more about diseases of aging and regenerative medicine.
- Proactive and dynamic attitude with a demonstrable inquisitive mindset and a proven ability to formulate, articulate, and critically evaluate scientific experiments.
- Excellent teamwork skills and aptitude to work and thrive in cross disciplinary teams. High learning agility and a desire to be up to date with the latest animal work.
- Fluency in written and oral English with excellent presentation skills.

Desirable Requirements:

- Knowledge about extracellular matrix and/or aging biology.
- Experience with CRISPR, CRISPR screens and/or proteomics.
- Experience in assessing mouse frailty and healthspan.

Why Novartis? Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here: https://www.novartis.com/about/strategy/people-and-culture

You'll receive: You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook. https://www.novartis.com/careers/benefits-rewards

Commitment to Diversity & Inclusion: Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

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.

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here: https://talentnetwork.novartis.com/network

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

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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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Full time
Employment Type
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Shift Work
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