

# Research Scientist - Neuroscience (80-100%\*)

Job ID

REQ-10014943

Jul 22, 2024

Switzerland

## Summary

The Neuroscience Department within the Biomedical Research (BR) at Novartis, Basel, Switzerland, is looking for a motivated Research Scientist with demonstrated background in Neuroimmunology. This role will support our discovery efforts in the neuro/axonal/glia field to address the high medical needs of patients with progression in Multiple Sclerosis (piMS) and other neurodegenerative diseases such as Alzheimer's Disease, Parkinson's Disease and ALS.

## About the Role

### Your responsibilities will include:

- Development of functional assays using primary cells, iPSC-derived cells and cell lines to explore the activity and mode of action of novel drug candidates modulating neuroinflammatory/neurodegenerative pathways to support our portfolio projects and candidate selection
- Establishment of iPSC-derived glia/neurons for in vitro disease modeling, including cultivation, differentiation, and modification
- Independently establishing protocols and designing, developing, executing a variety of experiments to perform phenotypic and functional characterization of cells
- Accurately recording, analyzing, and interpreting data and document experiments in electronic laboratory journal
- Communicating and presenting of results to the team
- Supporting general laboratory duties

## Your profile:

- Master's degree or engineer diploma in Biology or equivalent, with 2-3 years of additional relevant work experience preferably in industry. \*Please note that PhD candidates will not be considered for this offer\*
- Previous experience in neuroscience drug discovery area would be an advantage.
- Hands-on experience in cell culture including primary cells and iPSC technology, in vitro differentiation, and characterization. Experience in coculture models is a plus.
- Expert knowledge in various technologies and assays with living cells to analyze cellular targets and cellular functions. Previous experience in flow cytometry and CyTOF technologies would be of advantage. Familiarity with cell assay technologies e.g. MSD, HTRF, AlphaLISA, LegendPlex.
- Experience in biology techniques including gene editing (RNAi, CRISPR), imaging technologies (confocal, live-cell imaging) and molecular/protein assays (RNA isolation, qPCR, Western Blotting)
- Track record on integrating, visualizing, interpreting, and reporting data.
- Enthusiasm developing, applying, and optimizing new protocols and techniques. Embrace opportunities

to gain new skills

- Good communication and presentation competences
- Excellent problem-solving, multi-tasking and attention to detail
- Show initiative, well-organized and structured with excellent analytical abilities and take pride in delivering results of high quality.
- Ability to work both independently and collaboratively.
- Fluent in English

**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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Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Division

Biomedical Research

Business Unit

Pharma Research

Location

Switzerland

Site

Basel (City)

Company / Legal Entity

C028 (FCRS = CH028) Novartis Pharma AG

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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