



Neuromatch, Inc.
9450 SW Gemini Dr, PMB 70309
Beaverton, Oregon 97008
United States

Curriculum Specialist – Computational Behaviour

Time zones and location: This position is fully remote. You can work from any location¹, and global applications are highly encouraged. However, we expect team members to be available to attend regular weekly meetings virtually within US and European business hours. Otherwise, working hours are flexible. *You must have work authorization in the country you want to work in.*

Compensation: \$28 – \$35 USD/hour for US-based candidates based on skills and experience. We use a [geography-based compensation policy](#) that adjusts compensation based on cost of living and market rates in a specific country.

Terms: Part-time, temporary, contract role for 6-9 months. Average ~15 hours/week with some variability. There are two roles available that will work collaboratively.

Start date: We aim to fill this role by December 2026

About Neuromatch

Neuromatch is a nonprofit organization dedicated to training the next generation of global computational research leaders. Our mission is to accelerate scientific innovation by facilitating inclusive, collaborative, and global participation in the computational sciences. We do this through high-quality education, career development programs, and field-building initiatives at the intersection of computational science, AI, and neuroscience — accessible to everyone, everywhere. We are best known for our flagship program, [Neuromatch Academy](#), which offers online courses in computational sciences. Over the past seven years, these programs have enrolled more than **14,000 early-career researchers** from over **140 countries**.

In addition to our educational initiatives, Neuromatch actively supports the career development and mentorship of early-career researchers through our [Impact Scholars Program](#) and our [AI Sentience Scholars Program](#) (AISS). We are also pioneering efforts to advance interdisciplinary research that leverages computational or AI approaches through our field-building strategy. Neuromatch leads [MEXA](#) (Mental Health x AI), supported by Wellcome, a global research platform designed to drive innovation in mental health research by leveraging artificial intelligence and computational sciences.

¹ Neuromatch is a USA-registered 501(c)(3) nonprofit organization and is therefore required to comply with US sanctions regulations administered by the Office of Foreign Assets Control (OFAC). As a result, we are currently unable to accept applications from individuals based in the following locations: Cuba, Iran, North Korea, and the regions of Crimea, Luhansk, and Donetsk.

Role Summary

The Curriculum Specialist will help build Neuromatch's newest course, [Computational Behaviour](#), a first-of-its-kind two-week virtual program launching in July 2027 that trains the next generation of researchers in the computational foundations of collective behaviour. Developed in partnership with Connected Minds, a CFREF-funded initiative hosted at York University, Toronto, Canada, the course spans the full pipeline from processing raw behavioural recordings to modeling how agents perceive, communicate, coordinate, and form collectives. Understanding collective behaviour is central to neuroscience, psychology, economics, and AI, yet no existing program brings measurement, modeling, and collective dynamics together within a unified computational framework.

This role combines technical curriculum development with hands-on project coordination. You will report to the Neuromatch Academy Program Director, Courtney Dean, and work closely with Course Director Dr. Gunnar Blohm (York University, Canada), Curriculum Chair Dr. Kate Bonnen (Indiana University, USA), another Curriculum Specialist, and a team of senior scientists.

The Curriculum Specialist will turn expert content into interactive, accurate, and fully functional tutorials for the 10-day course that will be used by thousands of students in the years to come. Responsibilities include adapting draft materials into Neuromatch's coursebook templates, writing and debugging Python and Markdown notebooks, testing code end to end, maintaining the course repository, tracking content deadlines across authors, and conducting quality review before launch. Materials will be built using JupyterBook 2, GitHub, Python, and Markdown (MyST).

This is a role suited to someone with strong Python and Markdown skills and a research background in computational behaviour, neuroscience, or related field who enjoys making complex material clear and usable. The successful candidate will be comfortable working independently with busy subject-matter experts across time zones, managing competing deadlines, and paying close attention to detail in a fast-moving, international, and mission-driven environment.

Key Responsibilities

- Collaboratively work with senior scientists who serve as Day Leads and their content creation team to translate drafted content into a live and interactive coursebook using JupyterBook 2, MyST, Markdown, and Python. The 10 days of content will be shared across two Curriculum Specialists based on areas of expertise and interest.
 - Manage timelines and content deliverable deadlines
- Manage the technical dependencies of the course book in GitHub
 - Add all videos, figures, and external data links to the course book
 - Debug and test notebooks, ensure the code runs end to end
 - Manage version control and pull requests
- Work with our Program Director, Sr. Full Stack Engineer, Course Director, and Curriculum Chair to develop learning tutorials
- Support materials testing and implement content improvements based on feedback
- Track progress on your work in Asana, our project management tool

- Interact with software such as Airtable, Google Suite, Asana, and more.

Desired Skills & Experience

- A research background in computational behaviour, neuroscience, or related field. PhD/Masters preferred
- Moderate to strong Python skills
- Strong Markdown skills, especially MyST
- Familiarity with JupyterBook 2
- Experience using git or other version control systems
- Strong communication, writing, and presentation skills, including the ability to check and adapt language to be more easily understood by non-native English speakers
- An ability and desire to understand and accommodate cultural and personal differences
- An ability to learn new systems quickly
- A stable internet connection capable of supporting video conferencing and streaming
- Available during the course dates: 12-23 July 2027

It is a bonus if you:

- Are interested in or have a background in pedagogy or scientific teaching
- Experience with Github Actions or other CI/CD tools is a bonus
- Familiar with Neuromatch (from being a volunteer, student, or similar)

Why Join Neuromatch?

- *Mission-Driven Impact:* Contribute to a global initiative dedicated to making computational science accessible to everyone, everywhere.
- *Collaborative Culture:* Be part of a passionate, diverse, and inclusive team that values innovation, equity, and shared success. We hold annual in-person retreats to strengthen collaboration, foster team building, and engage in strategic planning.
- *Flexible Work Environment:* Enjoy the freedom of fully remote work with a strong emphasis on work-life balance.
- You can learn more about working at Neuromatch on [our website](#).

How to Apply

Please apply here: <https://airtable.com/appBGDTJHklqgEahl/shrlFDsVRixlFrL9r>

Every year, thousands of students and researchers in over 100 countries learn, collaborate and grow their careers through Neuromatch. We'd love your help making that possible.