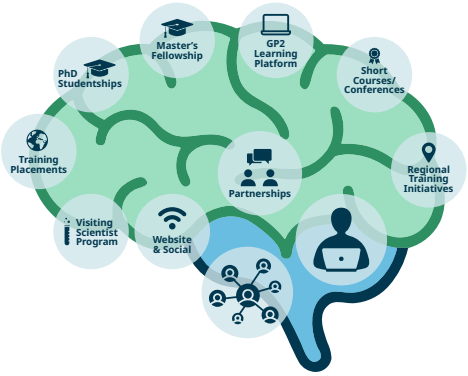
Training in Genetics, Data Science, and Clinical Research

The **Global Parkinson's Genetics Program (GP2)** is committed to training the next generation of researchers with the knowledge and skills needed to advance genetic research.

GP2 offers a range of free online learning resources and support for in-person training opportunities.

GP2 is a resource program of the Aligning Science Across Parkinson's (ASAP) initiative.



Online Learning Resources

Through its learning platform, GP2 offers a range of free, on-demand courses taught by world-class experts. Complete the courses at your own pace and earn a certificate upon completion

Available Courses:

- Using Terra to Access Data & Perform Analyses
- Introduction to Python
- Beginner Bioinformatics for Parkinson's Disease Genetics
- Parkinson's Disease Genetics for Non-Geneticists
- Research Methods I
- Intermediate Bioinformatics for Parkinson's Disease Genetics
- GP2 Bioinformatics Training Workshop
- Research Methods II
- Micro e-Learning Program
- Return of Genetic Results
- Whole-Genome Sequencing Data Analysis

Upcoming Courses:

- Integrative Multi-Omics Approaches to Parkinson's Disease
- Case study series for the Return of Results Course
- Environmental Risk Factors

GP2 Training & Networking · Building Global PD Research Capacity ·

Sign up for our learning platform

In-Person Training Programs

Training Sabbaticals & Visiting Scientists

GP2 offers funding opportunities for trainees, researchers, and clinicians to undertake placements at specialist centres around the world. These programs provide hands-on experience in wet-lab research, data analysis, bioinformatics, and clinical practice while fostering international collaboration and the development of new research opportunities.



Trainees at a GP2 Bioinformatics Training Workshop in Mexico

Workshops & Hackathons

GP2 also organizes training workshops and hackathons alongside major international and regional conferences, including the International Parkinson and Movement Disorder Society (MDS) congress.

PhD & Master's Studentships

GP2 has funded 20 PhD students and 11 Master's students from underrepresented populations in Parkinson's disease research. Although these programs have now concluded, GP2 remains committed to supporting funded students throughout their training in Parkinson's disease genetics.

Training Research Opportunities

Join collaborative research projects using GP2 data and gain practical experience in bioinformatics and data analysis. Work alongside an international team of researchers with dedicated mentorship to support your scientific and professional development. Find all GP2 publications on Google Scholar.

Follow the QR code to learn more about GP2 training opportunities and to access this information in other languages.

There is still much to learn about genetic risk factors, and the path to further understanding requires working with experts both in science and in varied populations.

Questions about GP2 or interest in training programs? Contact **training@gp2.org**