



OeAW - Discovering the future

As a central non-university institution for science and research, the **Austrian Academy of Sciences - OeAW** has the task of "**promoting science in every respect**". Founded in 1847 as a learned society, it now has over 760 members and around 1,800 employees dedicated to innovative basic research, interdisciplinary knowledge exchange and the dissemination of new insights. The OeAW initiates and maintains partnerships worldwide and represents Austria in international scientific organizations; it cooperates with numerous institutions in the scientific field in order to actively **shape the research landscape**.



Praedoc (Diss) (f/m/x) in Mathematics of Neural Networks and Neural Operators

Job ID: RICAM043DOC226

The Austrian Academy of Sciences (OeAW), Austria's leading non-university research and science institution, is offering a Position as

Praedoc (Diss) (f/m/x) in Mathematics of Neural Networks and Neural Operators

part-time, 30h per week

for an initial period of one year (with possible extensions up to a maximum of four years)

Your Tasks

The position is within the framework of the FWF-funded project "Neural Networks in Infinite Dimensions" led by Dr. Ahmed Abdeljawad, and is affiliated with the Mathematical Data Science Group at RICAM, located in Linz, Austria. The position is available from May 01st, 2026 onwards, and the working language is English.

The successful candidate will work on research at the interface of learning theory, approximation theory, and harmonic analysis, with a particular emphasis on the expressivity and complexity of neural networks and neural operators, as well as on the development of novel algorithms connecting theory with practice. For more information contact Dr. Ahmed Abdeljawad at ahmed.abdeljawad@oeaw.ac.at

Your Profile

- Master Degree in Mathematics, Applied Mathematics or a closely related field.
- A strong background in at least one of the following areas:
 - ▷ Harmonic Analysis, Approximation Theory, Machine Learning, Inverse Problems and Regularization Theory.
- Proficiency in programming with a strong preference for Python and deep learning frameworks such as PyTorch is highly desirable.
- Good skills of English

Our Offer

Excellent opportunities to work in a lively research environment and collaborate with international experts in the fields related to the project.

The minimum annual gross salary for this position is EUR 53.140,92 (full-time based), in accordance with the collective agreement of the Austrian Academy of Sciences (ÖAW). For part-time employment, the salary will be adjusted on a pro rata basis in line with the agreed working hours.

APPLY NOW

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply. The OeAW cooperates with NEBA and is a member of MyAbility in order to provide appropriate workplace structures, in particular for persons with disabilities.

Contact

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