Call 2023
Life Sciences

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Understanding biology with AI/ML is the 16th project call within the Vienna Science and Technology Fund (WWTF) Life Sciences Programme. It is open to

— scientists at universities and non-university research institutions in Vienna, as well as scientists moving to Vienna;

— who seek to conduct a cutting-edge research project that addresses a question in biology, biomedicine or clinical sciences, by applying innovative artificial intelligence (AI) or machine learning (ML) methods to large data sets.

— Research questions may range from macromolecular to clinical in scope. Datasets may be of sequence, structure, image, phenotype, multimodal, or other forms.

— AI/ML methods applied in projects may include but are not restricted to deep learning, representation learning, kernel methods, etc.

— Proposals should primarily aim to gain biological, biomedical or clinical insights through approaches enabled by modern and innovative AI/ML methods. Advancement of existing AI/ML methods will be regarded positively but is not absolutely required.

— A total of € 6 million has been dedicated to this call. The funding range per project is € 400,000 to € 800,000 (Joint Projects up to € 880,000).

— Projects should span 2 - 4 years.

This is a two-stage call. Short proposals must be submitted by 4th April 2023. Upon invitation, full proposals must be submitted by 8th August 2023.

Interested parties are invited to an online workshop on **16th December 2022**. An information session about the submission process will be held on **14th February 2023**. Please check our website closer to the dates for further information.

More information on
Joint projects between
Vienna and Lower
Austria

More details on the reverse side

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Call 2023
Life Sciences
Understanding biology with AI/ML

This call targets cutting-edge research projects that address a question in biology, biomedicine or clinical sciences using innovative AI/ML methods.

Funding   The overall budget allocated to this call is € 6 million

Schedule   Deadline for Short Proposals: 4th of April 2023 at 2pm
Deadline for Full Proposals (upon invitation only): 8th of August at 2 pm

Note that this is a two-stage selection process; full proposals are only accepted upon invitation. The funding decision is expected in December 2023.

WWTF provides funding for scientific projects that

— pursue a clearly-framed question in biology, biomedicine or clinical sciences using approaches enabled by innovative AI/ML methods;

— demonstrate close collaboration between experimental life scientists or clinicians and computational scientists throughout the project, from the experimental design, AI/ML method development, to data interpretation stages;

— foster the interdisciplinary training of junior researchers (undergraduate and PhD students, postdocs) in experimental and computational biology;

— promote the international visibility of innovative research at the interface of experimental/clinical biology with computational sciences in Austria;

— consider and explain potential sex-specific and gender-related aspects, as well as bias and fairness in collected/utilised data;

— demonstrate commitment to the principles of Open Science, Open Data and Open Code within legal and regulatory frameworks;

— span over 2 - 4 years, and can be achieved with funding in the range of € 400,000 - € 800,000.