

The Deutsches Museum is one of the largest museums of science and technology worldwide. For the project below, the Conservation Science Department is currently seeking to fill a position for a

## Conservation Scientist / Chemist

The Deutsches Museum has more than 17.000 artefacts composed of synthetic organic polymers. The aim of the project is to develop analytical methods for the analysis of synthetic organic polymers by means of Py-GC/MS (qualitative and quantitative), of TGA-FTIR (qualitative and quantitative) and GPC (quantitative). Furthermore, strong collaborations with international leading partners should be developed for investigating complex research questions - from the field of organic chemistry - in connection with the collection, and for jointly write scientific articles and submit research project proposals.

### Main activities / Responsibilities

- Examination of artefacts, preparation of samples, performing analyses on synthetic and natural organic molecules (i.a. polymers, organic pigments, antioxidants, plasticizers, binding media), interpretation of results, documentation of data and writing reports.
- Development of quantitative analytical methods by means of Py-GC/MS, TGA-FTIR and GPC for the identification and characterization of historical plastics and their additives.
- Search and acquisition of natural and synthetic organic reference materials necessary for the project.
- Development of the EGA-MS, Py-GC/MS, TGA-FTIR and GPC databases with reference materials.
- Support in the maintenance of the specialized equipment and in the laboratory security.
- Support in the supervision and guidance of researchers involved in specific projects, guest-researchers, interns and visiting scholars.
- Development and application for research grants and submission of publications.

### Requirements

- Completed graduate studies in the field of chemistry or a related field, as chemical engineering, conservation science or materials science.
- Preference: PhD in the field of chemistry or a related field, as chemical engineering, conservation science or materials science.
- Profound knowledge of Py-GC/MS, TGA-FTIR, GPC, FTIR from organic substances, predominantly plastics (testified through experience running national and international research projects or by scientific publications).
- Up-to-date knowledge of sample preparation, analytical procedures and laboratory security.
- Experience in teamwork with i.a. conservators and curators in cultural institutions.

### Personal / social / methodological Competences

- Analytical and network thinking
- Autonomous and responsible work style
- Social and communicative competences
- Aim-oriented and good writing skills

### We offer

- A responsible, interesting and diversified position in the public service, with family oriented regular working times, in the city of Munich.
- The position serves the need to substitute a current employee and is limited until the 30.04.2022.
- The position is graded at grade E 13 TV-L.
- There is the general possibility to work in part time, though not in a 450,- €-basis.

For the Deutsches Museum the professional gender equality and the reconciliation of work, family life and home care are important. Flexible working times and variable part-time modalities are generally possible.

Severely disabled candidates will be preferred over other candidates, if they present the same eligible requirements, competences and performance.

Candidates from all nationalities are welcome.

**Are you interested?**

We are glad to receive your informative and complete application with CV, copy of certificates from your academic degrees and career progression until **24.02.2021**. Delayed applications will not be considered.

Applications with the job reference Nr. **2104** can be sent per email, exclusively as a **single document (max. 5 MB)** in **PDF-format**, to [bewerbung@deutsches-museum.de](mailto:bewerbung@deutsches-museum.de). After arrival, an automatic confirmation of reception will be sent to you.

For applications sent per post (Address: Deutsches Museum – Personalstelle – Museumsinsel 1 – 80538 München), please enclose a stamped sae if you would like the submitted documents returned to you.

Information about the protection of data privacy and person-related processing of data connected to your application can be found under <http://www.deutsches-museum.de/impressum/datenschutz/>.