The University of Vienna (20 faculties and centres, 184 fields of study, approx. 10.400 members of staff, about 90.000 students) seeks to fill the position as soon as possible of a

University Assistant (prae doc)
at the Vienna Doctoral School in Chemistry (DoSChem)

Reference number: 13971

The University of Vienna, Faculty of Chemistry, is home of the Vienna Doctoral School in Chemistry (DoSChem). DoSChem is the largest doctoral training program in Austria focusing on the field of chemistry and closely related sciences by bringing together more than 200 doctoral students and over 50 principal investigators. Our goal is to train excellent scientists and to provide an open-minded environment that allows them to connect with each other and to experience a scientifically rich environment to carry out interdisciplinary and curiosity-driven research.

DoSChem offers 13 PhD positions with various starting times in 2023.
The contract duration is 3 years with a preliminary limitation of 1,5 years and will automatically be extended to 3 years unless the employer hands in a non-extension declaration after 12 months. An extension up to a total of 4 years is then possible provided the excellent performance of the candidate. In order to apply please visit our web page https://doschem.univie.ac.at/application/ .

We expect the successful candidate to sign a doctoral thesis agreement within 12-18 months and to participate in research, teaching and administration, including: - Participation in research projects / research studies - Participation in publications / academic articles / presentations - Participation in teaching and independent teaching of courses as defined by the collective agreement - Supervision of students - Involvement in the organisation of meetings, conferences, symposiums - Involvement in the department administration as well as in teaching and research administration.

The University of Vienna has a very strong, institutionalised gender equality policy and within this framework DoSChem strives to strengthen the career development of female scientists at all qualifications levels and to support compatibility between family and work/ training. The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (http://diversity.univie.ac.at/). The University lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.

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Duration of employment: 3 year/s
Extent of Employment: 30 hours/week
Job grading in accordance with collective bargaining agreement: §48 VwGr. B1 Grundstufe (praedoc) with relevant work experience determining the assignment to a particular salary grade.

Job Description:
#1-#3 (Planstellen 10015673, 10015702, 10015712): 3 PhD positions in Physical Chemistry are available in the group of Prof. Backus, at the Institute of Physical Chemistry, starting fall 2023. #4-#6 3 PhD positions are available in the group of Prof. Lieberzeit, at the Institute of Physical Chemistry; #4 (Planstelle 10015711): 1 PhD position in developing in-deep characterization methods to characterize polymer-based thin film receptors starting ASAP; #5 (Planstelle 10015671): 1 PhD position in applications of monoclonal antibody mimics based on polymers starting ASAP; #6 (Planstelle 10015703) PhD position in designing MIP-based receptors for detecting engineered nanoparticles (November, 2023). #7 (Planstelle 10016870): 1 PhD position in Biological Chemistry is available in the group of Prof. Becker, at the Institute of Biological Chemistry, starting December. #8 (Planstelle 10016807): 1 PhD position in Computational Chemistry in the group of Prof. Boresch, at the Institute of Computational Biological Chemistry, starting July 2023. #9 (Planstelle 10011407): 1 PhD position in partial synthesis as well as elucidation of structure, binding behavior and biological activities of selected natural products as well as natural product analogues in the group of Prof. Brecker at the Institute of Organic Chemistry, starting in summer 2023 or later. #10 (Planstelle 10034676): 1 PhD

position in Computational/Theoretical Chemistry in the group of Prof. González, at the Institute of Theoretical Chemistry, starting ASAP. #11 (Planstelle10016851): 1 PhD position in Organometallic Chemistry/Catalysis in the group of Prof. Hultzsch, at the Institute of Chemical Catalysis starting August 2023 or later. #12 (Planstelle 10033807): 1 PhD position in Bioinorganic Radiochemistry in the group of Prof. Mindt, at the institute of Inorganic Chemistry, starting June 2023. #13 (Planstelle 10011403): 1 PhD position in organic synthesis of boron- and nitrogen-doped molecular graphenoids in the group of Prof. Bonifazi, at the Institute of Organic Chemistry, starting in June 2023 or later.

For detailed description and application please visit: https://doschem.univie.ac.at/application/

Profile:
#1-#3
- Experience with (vibrational) spectroscopy and/or optics would be an advantage

#4
- Background in physical, analytical, or materials' chemistry
- Experience with surface analysis is an advantage
- Experience with sensor development or measurements is an advantage

#5
- Background in analytical or materials' chemistry and/or basic bioanalysis
- Experience with measuring science is an advantage
- Experience with sensor development or measurements is an advantage

#6
- Background in analytical or materials' chemistry.
- Experience with measuring science is an advantage
- Experience with sensor development or measurements is an advantage

#7
- Experience in the area of peptide and protein chemistry with materials chemistry

#8
- Experience (commensurate with a Master’ s degree) with at least one of the following computational methods: quantum chemistry, force fields, Monte Carlo and/or molecular dynamics simulations, bio-/chemo-informatics
- Sufficient familiarity with at least one low- (e.g., C++) or high-level programming language (e.g., Python)
- German must be sufficient to fulfill the teaching requirements

#9
- Scientific skills: Experience in participating in scientific research and project work, especially in the areas of natural product chemistry, organic structural chemistry and molecular interaction, is required.
- Methodological skills: Experience in synthetic organic chemistry as well as in the interpretation of NMR, MS, IR and UV spectra is necessary.
- Didactic skills: First teaching experience (e.g. as a lecturer or tutor) is necessary
- IT user skills are expected

#10
- Good knowledge in theoretical chemistry, especially on one or more of the following topics: excited-state quantum chemistry, nonbadiabatic dynamics or multiscale methods
- scientific computing and/or programming skills

#11
- Experience with organic synthetic and analytical methods
- Experience in the synthesis and characterization of homogeneous organometallic compounds, including working under inert atmosphere (Schlenk line, glove box) is desirable

#12
- Experience in synthetic organic/inorganic/peptide chemistry and analytical methods (MS, NMR)

#13
- with a 5-years degree (Master) in Chemistry
- with experience in organic synthesis and molecule characterisation
- great sense of thoroughness and organization;

For All: Ability to work both independently and collaboratively, strong ambition and good work ethics,

strong communication skills, excellent command of the English language.
Teamwork - Good oral and written skills - High resilience - Conflict ability -

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Human Resources and Gender Equality of the University of Vienna
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