

The **Pharmaceutical Institute, Faculty of Mathematics and Natural Sciences**, University of Bonn invites applications for a

**Junior Professorship in Pharmaceutical & Medicinal Chemistry
(W1/Tenure Track W2)**

(successor of Prof. Dr. Michael Gütschow)

A focus on a current research field of Pharmaceutical/Medicinal Chemistry is desired, e.g., computer-aided drug design, structural biology as a basis for drug research, or new modalities and methods in Medicinal Chemistry.

We are looking for a candidate with an internationally visible research profile, international research experience, and a publication list with articles in internationally renowned, high-ranking journals.

The holder of the position will be responsible for the full range of the subject Pharmaceutical Chemistry in accordance with the applicable licensing regulations for pharmacists (AAppO). Teaching is an integral part of the professorship, and holding courses and lectures mainly in German language is required. Relevant teaching experiences and the willingness to participate in State Examinations (2nd and 3rd State Examinations in Pharmacy) are assumed. Licensure ("Approbation") as a pharmacist is desirable. Moreover, participation in the study program "Arzneimittelforschung/Drug Research" is requested. Participation in the advanced study course "Drug Regulatory Affairs" is also desired.

The candidate's willingness to participate in collaborations and interdisciplinary projects within the Pharmacy Division (e.g., RTG 2873), and also with the Faculty of Mathematics and Natural Sciences, and the Faculty of Medicine is expected, in particular within the PharmaCenter Bonn, The Bonn International Graduate School of Drug Sciences (BIGS DrugS), and the Transdisciplinary Research Areas (TRA) Life & Health (TRA3) and Matter (TRA2).

The research focus should be in one of the following areas: macromolecular agents including antibodies, nucleic acids or cellular therapies, structure-based and computer-aided drug design, pharmaceutical bio- and chemoinformatics, identification, characterization and validation of drug targets - or another innovative field of pharmaceutical/medical chemistry.

Networking opportunities with other research areas within the Pharmaceutical Institute, the Faculties of Mathematics and Natural Sciences and Medicine should be utilized and further developed.

In addition, participation in the Master's programme "Drug Research" as well as participation in the PharmaCenter Bonn and the Bonn International Graduate School "Drug Sciences" (BIGS DrugS) is expected. Participation in the advanced training course "Drug Regulatory Affairs" would be desirable.

Scientific achievements should be proven by a habilitation or equivalent postdoctoral qualifications.

Candidates have to comply with the general prerequisites in accordance with § 36 HG (University Law) of the federal state of North Rhine-Westphalia.

The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university and has a dual-career programme. Its aim is to increase the proportion of women in areas where women are under-represented. It therefore explicitly urges qualified women to apply. Applications will be processed in accordance with the State Equality Act. The application of suitable persons with proven severe disabilities is particularly welcome.



Applications should be submitted in German or English with the usual documents (C.V., list of publications - separated by original papers, book contributions, reviews, without abstracts - description of teaching activities and third-party funding, research perspectives and teaching concept) **by 15.02.2025** via our online portal: <https://berufungsportal.uni-bonn.de>.

If you have any questions, please contact the secretariat of the Pharmacy (fachgruppe.pharm@uni-bonn.de).

Evaluation criteria by the Department of Pharmacy for appointment of an Assistant Professor (Jun.-Prof.) of Pharmaceutical & Medical Chemistry (W1/tenure track to W2 pay grade)

The following table presents the criteria for both the interim and final review. All criteria essential for successful achievement of objectives are noted in *italics*.

a) Research

Interim review (3 years)	Final review (6 years)
<ul style="list-style-type: none"> Contribution to advancement of the field of research, in particular methodological and conceptual innovations during the evaluation period and in the 2 years prior to appointment <i>Objective: implementation of new and innovative methods from the research concept has been initiated and partly completed</i> 	<ul style="list-style-type: none"> Contribution to advancement of the field of research, in particular methodological and conceptual innovations during the evaluation period <i>Objective: implementation of new and innovative methods from the research concept has been largely completed</i>
<ul style="list-style-type: none"> Quality, originality, creativity and autonomy of the research 	<ul style="list-style-type: none"> Quality, originality, creativity and autonomy of the research
<ul style="list-style-type: none"> Publications with a substantial authorship since appointment <i>Objective: at least one original work as a senior or corresponding author (in press) in a peer-reviewed journal in the first quartile (Q1) for the corresponding field of expertise</i> One presentation at a conference Invitations to speak (such as at conferences) <i>Objective: one invitation during the evaluation period</i> Prizes, awards, research professorships, scholarships (such as AvH), including for members of the working group <i>There is no formal target here, but attainment of these objectives is considered a positive.</i> 	<ul style="list-style-type: none"> Publications with a substantial authorship since appointment <i>Objective: two original publications as a senior or corresponding author (in press) in peer-reviewed journals; this includes only original articles in journals that are listed for the corresponding field of expertise during the first quartile (Q1)</i> Two conference presentations Invitations to speak (such as at conferences) <i>Objective: two invitations during the evaluation period</i> Prizes, awards, research professorships, scholarships (such as AvH), including for members of the working group <i>There is no formal target here, but attainment of these objectives is considered a positive.</i>
<ul style="list-style-type: none"> Success in competitive tendering procedures (EU, DFG, BMBF, AiF, industry, 	<ul style="list-style-type: none"> Success in competitive proceedings (EU, DFG, BMBF, AiF, industry, foundations, etc.)

<p>foundations, etc.) or participation in submitted collaborative research projects (such as CRCs, RTGs, RUs or collaborative projects funded by EU, BMBF or AiF)</p> <p><i>Objective: at least one submission</i></p> <ul style="list-style-type: none"> • Application, issuance and utilization of patents <p><i>There is no formal target here, but attainment of these objectives is considered a positive.</i></p>	<p>or participation in submitted collaborative research projects (such as CRCs, RTGs, RUs or collaborative projects funded by EU, BMBF or AiF)</p> <p><i>Objective: at least two submissions or one approved application</i></p> <ul style="list-style-type: none"> • Application, issuance and utilization of patents <p><i>There is no formal target here, but attainment of these objectives is considered a positive.</i></p>
<ul style="list-style-type: none"> • Successful supervision of doctoral students or postdoctoral researchers <p><i>Objective: filling of all available doctoral slots with candidates performing on-site research and supervision of those students</i></p>	<ul style="list-style-type: none"> • Successful supervision of doctoral students or postdoctoral researchers <p><i>Objective: successful attainment of a PhD degree by at least one supervised student at the University of Bonn</i></p>

b) Teaching

Interim review (3 years)	Final review (6 years)
<ul style="list-style-type: none"> • Quality and range of teaching, regarding type of teaching (lectures, seminars, lab courses, etc.) for students in the Pharmacy degree program (with state examination), the master's degree program in Drug Research (MAF) or, in addition, the master's degree program in Drug Regulatory Affairs (MDRA) or other related master's degree programs of the faculty <p><i>Objective: teaching of one course in pharmaceutical chemistry:</i></p> <ul style="list-style-type: none"> • Quality of teaching and didactic skills, including teaching evaluations by students <p><i>Objective: at least one evaluation from students with a top 2 value of 70% (or better) during the evaluation period; if participation in the survey is poor, the results of the evaluation can be disregarded</i></p> <ul style="list-style-type: none"> • Supervision initiated and completed for master's theses (MAF, MDRA or other related master's degree programs) 	<ul style="list-style-type: none"> • Quality and range of teaching, regarding type of teaching (lectures, seminars, lab courses, etc.) for students in the Pharmacy degree program (with state examination), the master's degree program in Drug Research (MAF), the master's degree program in Drug Regulatory Affairs (MDRA) or other related master's degree programs of the faculty <p><i>Objective: teaching of one course in pharmaceutical chemistry at undergraduate and graduate level, respectively:</i></p> <ul style="list-style-type: none"> • Quality of instruction and didactic skills, including teaching evaluations by students <p><i>Objective: at least one evaluation from students with a top 2 value of 70% (or better) during the evaluation period; if participation in the survey is poor, the results of the evaluation can be disregarded</i></p>

<p><i>Objective: at least one active supervision</i></p>	<ul style="list-style-type: none"> Support completed for master's theses (MAF, MDRA or other related master's degree programs) <p><i>Objective: at least two successful graduates</i></p>
<ul style="list-style-type: none"> Development and introduction of new teaching materials, teaching concepts and teaching formats based on the regulations of the Licensing Regulations for Pharmacists (AAppO) and the study regulations of the MAF <p><i>Objective: composition and presentation of a teaching concept</i></p>	<ul style="list-style-type: none"> Development and introduction of new teaching materials, teaching concepts and instructional formats based on the regulations of the Licensing Regulations for Pharmacists (AAppO) and the study regulations of the MAF <p><i>Objective: successful implementation of the presented teaching concept</i></p>
<ul style="list-style-type: none"> Participation in didactic training and cross-disciplinary events <p><i>Objective: participation in at least one training measure</i></p> <ul style="list-style-type: none"> Prizes and awards for quality of teaching <p><i>There is no formal target here, but attainment of these objectives is considered a positive.</i></p>	<ul style="list-style-type: none"> Participation in further didactic training and cross-disciplinary events <p><i>Objective: participation in at least two further training measures</i></p> <ul style="list-style-type: none"> Prizes and awards for quality of teaching <p><i>There is no formal target here, but attainment of these objectives is considered a positive.</i></p>

c) Personnel management skills

Interim review (3 years)	Final review (6 years)
<ul style="list-style-type: none"> Management of own working group 	<ul style="list-style-type: none"> Management of own working group
<ul style="list-style-type: none"> Participation in training courses offered by the personnel development program at the University of Bonn (such as coaching for managers) or by external trainers 	<ul style="list-style-type: none"> Participation in training courses offered by the personnel development program at the University of Bonn (such as coaching for managers) or by external trainers <p><i>Objective: attendance of at least one event</i></p>

d) Academic engagement

Interim review (3 years)	Final review (6 years)
<ul style="list-style-type: none"> Participation on university commissions and committees <p><i>Objective: active participation in the department and its working groups (e.g. instruction planning commission, Structure</i></p>	<ul style="list-style-type: none"> Participation on university commissions and committees <p><i>Objective: active participation in the department and its working groups (e.g. instruction planning commission, Structure</i></p>

<p><i>working group, Research and Teaching working group)</i></p>	<p><i>working group, Research and Teaching working group)</i></p>
<ul style="list-style-type: none"> • Engagement in student support <i>Objective: need-based support for degree program managers</i> 	<ul style="list-style-type: none"> • Engagement in student support <i>Objective: need-based support for degree program managers</i>
<ul style="list-style-type: none"> • Review work for scientific journals or foundations for the promotion of science (such as AvH, DAAD) and in institutions for the promotion of research (such as DFG, DPhG, EFMC/YSN) <i>Objective: contribution and support through reviews or references as requested by institutions</i> <i>Objective: at least one review or reference/year for funding requests or peer review journals</i> 	<ul style="list-style-type: none"> • Managerial participation in foundations for promotion of science (in particular AvH, DAAD) and in institutions for the promotion of research (especially DFG, German Council of Science and Humanities, EU, EIT, FEBGLA) and review work for scientific journals <i>Objective: contribution and support through reviews or references as requested by institutions</i> <i>Objective: at least two reviews or references/year for funding requests or peer review journals</i>