The Faculty of Mathematics and Natural Sciences, University of Bonn, invites applications at the Institute of Pharmaceutical Biology in Pharmacy for a

**W1 Junior Professorship (Tenure-Track W2) for Pharmaceutical Biology**

starting as early as possible. Candidates should have their main research focus in the field of pharmacologically active natural products. Desired overarching research themes are bacterial natural product discovery, genome mining and mass spectrometry-based workflows, genomic and synthetic biology approaches coupled with heterologous biosynthesis and engineering of specialized metabolites.

We are looking for a candidate with an internationally visible research profile, successful acquisition of competitive third-party funding and a publication record including articles in high-profile and/or internationally renowned specialized journals.

A high degree of commitment to participation in collaborative and interdisciplinary projects within Pharmacy, as well as the faculties of Medicine and Natural Sciences is expected, particularly in the Transdisciplinary Research Area (TRA) Life & Health. In addition, participation in the Master’s program ‘Drug Research’ as well as the Bonn International Graduate School ‘Drug Sciences’ (BIGS DrugS) is obligatory. Partaking in the advanced training course ‘Drug Regulatory Affairs’ is also desired.

The ability to take over teaching responsibilities in Pharmaceutical Biology is expected (relevant experience is advantageous) as well as active participation in the State Examination Course ‘Pharmazie’ in accordance with the licensing regulations for pharmacists in Germany; licensure as a pharmacist is desired but not obligatory.

Junior professors are appointed for a period of three years; an extension for a further three years is possible if the interim evaluation is positive. Following a positive final evaluation decision by the responsible committees of the University of Bonn, they can then be appointed to a permanent W2 professorship.

This professorate is funded by the Tenure Track Program of the German Federal Government and the Federal States. Awarding tenure is not subject to a vacancy at the time when the fixed-term contract of the tenure-track position expires. This call is aimed at early-career researchers. Candidates who have completed their doctorate at the University of Bonn must have changed universities or have been working in academic research outside of the University of Bonn for at least two years prior to applying. Formal requirements are defined by § 36 of the Higher Education Act of North Rhine Westphalia (Hochschulgesetz Nordrhein-Westfalen). Regulations on tenure track at the University of Bonn and further information on tenure track professorates at the University of Bonn available at [https://www.unibonn.de/research/argelander-program/after-your-doctoral-studies/tenure-track?set_language=en](https://www.unibonn.de/research/argelander-program/after-your-doctoral-studies/tenure-track?set_language=en)

The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly University and has a dual career-service. 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 NRW State Gender 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) electronically as a single pdf file by November 1, 2020 to the

University of Bonn, Fachgruppe Pharmazie
Head of the appointment committee
Frau Prof. Dr. Christa Müller (E-mail: fachgruppe.pharm@uni-bonn.de)
An der Immenburg 4
53121 Bonn

Evaluation criteria by the Department of Pharmacy for appointment of a qualified 'WISNA' (W1 with tenure track to W2 pay grade) Professor of Pharmaceutical Biology

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

a) Research

<table>
<thead>
<tr>
<th>Interim review (2 years)</th>
<th>Final review (5 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Contribution to advancement of the field of research, in particular methodological and</td>
<td>- Contribution to advancement of the field of research, in particular methodological and</td>
</tr>
<tr>
<td>conceptual innovations during the evaluation period and in the 2 years prior to</td>
<td>conceptual innovations during the evaluation period.</td>
</tr>
<tr>
<td>appointment.</td>
<td>Objective: implementation of new and innovative methods from the research</td>
</tr>
<tr>
<td>* Objective: implementation of new and innovative methods from the research concept has</td>
<td>concept has been initiated and partly completed.</td>
</tr>
<tr>
<td>been initiated and partly completed.</td>
<td></td>
</tr>
<tr>
<td>- Quality, originality, creativity and autonomy of the research</td>
<td>- Quality, originality, creativity and autonomy of the research</td>
</tr>
<tr>
<td>- Publications with a substantial authorship since appointment.</td>
<td>- Publications with a substantial authorship since appointment.</td>
</tr>
<tr>
<td>* Objective: at least one original work as a senior or corresponding author (in press)</td>
<td>* Objective: two articles as a senior or corresponding author (in press) in peer-</td>
</tr>
<tr>
<td>in a peer-reviewed journal in the first quartile (Q1) for the corresponding field of</td>
<td>reviewed journals (review or original works).</td>
</tr>
<tr>
<td>expertise (pharmaceutical biology).</td>
<td>* This includes only original articles in journals that are listed for the</td>
</tr>
<tr>
<td></td>
<td>corresponding field of</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
• One presentation at a conference
  • Invitations to speak (such as at conferences)
    Objective: one invitation during the evaluation period
  • Prizes, awards, research professorships, scholarships (such as AvH), including for members of the working group.
    There is no formal target here, but attainment of these objectives is considered a positive.

• Success in competitive proceedings (EU, DFG, BMBF, AiF, industry, foundations, etc.) or participation in submitted collaborative research projects: (such as Collaborative Research Centers, GRKs, Research Units (FORs), EU, BMBF and AiF joint projects)
  Objective: at least one submission
• Application, issuance and utilization of patents
  There is no formal target here, but attainment of these objectives is considered a positive.

• Successful supervision of doctoral students and postdoctoral researchers
  Objective: filling of all available doctoral slots with candidates performing on-site research and supervision of those students
• Successful supervision of doctoral students and postdoctoral researchers
  Objective: successful attainment of a doctorate by at least one supervised student at the University of Bonn

b) Teaching

<table>
<thead>
<tr>
<th>Interim review (2 years)</th>
<th>Final review (5 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Quality and range of teaching, accounting for type of instruction (lectures, seminars, lab courses, etc.) for students in the Pharmacy degree program (with state examination),</td>
<td>• Quality and range of teaching, accounting for type of instruction (lectures, seminars, lab courses, etc.) for students in the Pharmacy degree program (with state examination),</td>
</tr>
</tbody>
</table>
the master's degree program in Drug Research (MAF) or the master's degree program in Drug Regulatory Affairs (MDRA) or other related master programs of the faculty.

**Objective:** execution of the course Pharmaceutical Biology I (seminar + lecture), participation and successful coordination of the course Biogenic drugs.

- Quality of instruction and didactic skills, including teaching evaluations by students.  
  **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.

- Support initiated and completed for master's theses (MAF, MDRA, or other related master programs)  
  **Objective:** at least one active supervisory relationship

- 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.  
  **Objective:** composition and presentation of a teaching concept

- Participation in further didactic training and cross-disciplinary events  
  **Objective:** participation in at least one further training measure

- Prizes and awards for quality of teaching  
  **There is no formal target here, but attainment of these objectives is considered a positive.**

---

**Objective:** at least one active supervisory relationship

- 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.  
  **Objective:** successful implementation of the presented teaching concept

- Participation in further didactic training and cross-disciplinary events  
  **Objective:** participation in at least two further training measures

- Prizes and awards for quality of teaching  
  **There is no formal target here, but attainment of these objectives is considered a positive.**
### c) Personnel management skills

<table>
<thead>
<tr>
<th>Interim review (2 years)</th>
<th>Final review (5 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Management of own working group</td>
<td>• Management of own working group</td>
</tr>
</tbody>
</table>
| • Further training through the personnel development program at the University of Bonn (such as coaching for managers) and through external events | • Further training through the personnel development program at the University of Bonn (such as coaching for managers) and through external events  
*Objective: attendance of at least one event* |

### d) Academic engagement

<table>
<thead>
<tr>
<th>Interim review (2 years)</th>
<th>Final review (5 years)</th>
</tr>
</thead>
</table>
| • Participation on university commissions and committees  
*Objective: active participation in the department (Fachgruppe Pharmazie) and its working groups (instruction planning commission, Structure working group, Research and Teaching working group).* | • Participation on university commissions and committees  
*Objective: active participation in the department (Fachgruppe Pharmazie) and its working groups (instruction planning commission, Structure working group, Research and Teaching working group).* |
| • Engagement in student support  
*Objective: Need-based support for degree program managers* | • Engagement in student support  
*Objective: Need-based support for degree program managers* |
| • 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 peer review work for scientific journals  
*Objective: contribution and support through reviews or references as requested by institutions*  
*Objective: at least one review or reference/year for funding requests and peer review journals* | • 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 peer review work for scientific journals  
*Objective: Contribution and support through reviews or references as requested by institutions*  
*Objective: at least two reviews or references/year for funding requests and peer review journals* |