



AFRIKA KOMMT! 2026-2028

An Initiative of German Industry for Future Leaders from Africa

Overall remarks: AFRIKA KOMMT! is a [fellowship position](#) in Germany in which, alongside making meaningful contributions, the primary focus is on your professional development and learning.

Fellowship Profile:

Fellow in Process Modeling and Data Science in Pharmaceutical Development for Solid Oral Dosage Forms (m/f/d)

Company: ID: AK15_BI_04	Boehringer Ingelheim Pharma GmbH & Co. KG / Global Development CMC NCE	 Boehringer Ingelheim
Education:		Bachelor of Science in Chemical Engineering, Process Engineering, Information Technology or similar
Professional Experience:		<p>Essential:</p> <ul style="list-style-type: none"> • Strong programming skills in Python • Experience in data analytics, computational modeling, process simulation, kinetic modeling, etc. <p>Beneficial:</p> <ul style="list-style-type: none"> • Basic understanding or academic exposure to first-principle models (e.g. mass and energy balances, thermodynamics and transport phenomena) is an advantage. Experience working within Git-based development workflows
Maximum years' experience needed:	Graduate / work experience 2 – 5y	Or other:
Additional Qualifications	<p>Essential:</p> <ul style="list-style-type: none"> • Strong communication and problem-solving skills • Fluency in written and spoken English • Strong team player <p>Beneficial:</p> <p>Prior experience in pharmaceutical manufacturing of solid dosage forms is beneficial but not required; candidates from other process-driven industries are explicitly encouraged to apply.</p>	
Country Focus:	All African nationalities	
Division / Location / Department:	Global Development / Development NCE / Drug Product Development / Late Oral Development; Location: Biberach, Baden-Württemberg (Southern Germany)	
Planned Tasks & Activities:	<p>In this role, you will support our cross-organization activities focused on the development and deployment of AI/ML-based tools, mechanistic models, and digital twins for the pharmaceutical development of solid oral dosage forms.</p> <p>For specific pharmaceutical unit operations, you will:</p> <ul style="list-style-type: none"> • Develop custom code for data pre-processing • Perform data analysis and visualization • Develop real-time digital twins • Support the deployment of the models across the organization 	
Remarks:		