



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)

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| Company: ID: AK15_BI_04 | Boehringer Ingelheim Pharma GmbH & Co. KG / Global Development CMC NCE | |
| Education: | Bachelor of Science in Chemical Engineering, Process Engineering, Information Technology or similar | |
| Professional Experience: | Essential: <ul style="list-style-type: none"> Strong programming skills in Python Experience in data analytics, computational modeling, process simulation, kinetic modeling, etc. Beneficial: <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 <input checked="" type="checkbox"/> | Or other: |
| Additional Qualifications | Essential: <ul style="list-style-type: none"> Strong communication and problem-solving skills Fluency in written and spoken English Strong team player Beneficial: <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: | | |