



CHEMOINFORMATICS PROFESSIONAL FOR MATERIALS RESEARCH AND DEVELOPMENT USING MACHINE LEARNING (M/F/D)

CYNORA is an emerging materials leader in the global information display industry. The organic light emitting diode (OLED) technology is currently revolutionizing the display market by enabling completely new features for smartphones, tablets and TVs. We have pioneered a unique technology to produce ultra-high-efficiency emitter systems required for next-generation Organic Light Emitting Diode displays. Known as Thermally Activated Delayed Fluorescence (TADF), the technology promises to reduce power consumption by as much as fifty percent. Our international and multidisciplinary team cooperates with leading display manufacturers worldwide and develops innovative and patented OLED materials. CYNORA is offering flat hierarchies and exciting opportunities for learning and career development. We are constantly expanding our team of currently around 120 employees and are looking for motivated and talented new colleagues. Shape the future with us!

YOUR RESPONSIBILITIES

- As a member of our artificial intelligence (AI) team, you develop frameworks for exploring new areas of chemical space for organic materials *in silico*
- You improve our existing tools and frameworks for AI-based materials discovery
- You identify potential for improving our data infrastructure and contribute to further digitization of our R&D processes
- You document results and present them to interdisciplinary teams

YOUR PROFILE

- M.Sc. or Ph.D. in cheminformatics, computational chemistry, bioinformatics, computer science or a related field or equivalent qualifications
- Proficiency in programming using Python and experience with databases
- Extensive experience with at least one cheminformatics toolkit and proficiency at manipulating chemical structures *in silico*
- Experience with artificial intelligence/machine learning, ideally on chemical structure-property relationships
- Familiarity with chemical graph theory and molecular descriptors/representations
- Ability to express complex concepts in comprehensible language as well as communicative and team-oriented working style
- Very good command of the English language, both spoken and written

WE OFFER

- Varied and challenging opportunities in a growing and innovative technology company
- Modern and cooperative company culture, characterized by constant progress
- Concerted boost of your skills and expertise
- Flexible working hours and a performance-related salary
- Very good transport connections due to our location in the city center of Bruchsal

YOUR APPLICATION

We are looking forward receiving your application documents in German or English language, indicating your salary expectations and your possible date of entry by our online application form.

The Job-ID of this position is C103.

Your personal contact in case of questions concerning your application: Ms. Svenja Anderer

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