



## OPEN POSITIONS

August 2020.

emergentec biodevelopment GmbH develops innovative computational tools and solutions for digital health applications. We invite motivated individuals to join our team (full time positions; remuneration according to Austrian collective treaty agreement for Information Technologies, level ST1/ST2 depending on track record; working language: English; place of work: Vienna, Austria).

Our application cases quest for statements about the evolution of dynamical systems together with deciding on means of interference for optimizing certain target characteristics. In the medical domain this means prognosis of disease progression together with decision support for optimal (personalized) treatment (for more details see our EU H2020 ongoing project: [www.dc-ren.eu](http://www.dc-ren.eu)). With making use of big data we follow a structure-rich model approach: Observation characterizing (clinical) Phenotypes presenting with a molecular Architecture, embedded in a hybrid AI implementation: OPai

**Profile 1:** Translational research

MS or PhD in computer science/mathematics. Background in Applied Category Theory/Dynamical Systems Science.

You will contribute to foundations of OPai (categorical construction of composite function; automata representation of nested dynamical hierarchies) together with effective translation along code prototyping and evaluation of example data.

**Profile 2:** Software development

MS or PhD in information technology. Experience in .Net Core (F# is a plus), distributed computing/architecture as well as DevOps is preferred.

You will implement core algorithmic aspects of OPai (TRL6) at the interface of foundations and application cases.

We welcome applications (short CV, motivation letter) at [office@emergentec.com](mailto:office@emergentec.com).

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