The Max Planck Institute of Molecular Cell Biology and Genetics in Dresden, Germany, is an international research institute focused on cell and developmental biology. Currently about 500 employees are working at the institute, where half are from abroad with 53 nations represented. MPI-CBG has twice been awarded the title “Best Place to Work” (Academia and postdocs) by the journal "The Scientist".

It is currently offering a

**Postdoctoral Position**

in the group of Carl Modes. The project is focused on the modelling and design of the active elements in an envisioned next-generation, fully-integrated microfluidic circuit. It will necessarily include theoretical work on fundamental questions in shape-programmable materials as well as collaborative work integrating experimental data modeling and first principles predictions and design. This project will be conducted in close collaboration with an international team of researchers coordinated by the ICMA in Zaragoza, Spain.

Applicants should be creative, flexible and committed with expertise in soft matter physics, applied mathematics, differential geometry, or topology with major interests in the theory of shape-programmable systems and/or networked fluid dynamics. Experience in working with custom-built physical simulations as well as familiarity with the theory of complex networks, elasticity and visco-elastic theory, and proficiency with Python are desirable.

The MPI-CBG provides highly competent and well-organized services and facilities and excellent mentoring and career development opportunities. The full-time position is available immediately for up to 2 years with the possibility of an extension. Salary and social benefits will be in accordance with the regulations of the German TVöD Bund (salary agreement for public service employees).

The deadline for the application is the 4th August 2019. To apply please send your CV including the contacts of 3 researchers who can be approached for reference letters and one-page motivation letter outlining your prior experience and future plans. Please use our online application system stating 2019-PostDoc-PRIME in your application letter at:

https://recruitingapp-2443.umantis.com/VacanciesIntraxData/424/Application/CheckLogin/2?lang=eng

*The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds.*

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