



research center caesar -  
associate of the  
Max Planck Society

caesar



center of advanced  
european studies  
and research

## PhD/Postdoctoral position in Neuroscience and biomedical imaging

**Position:** A PhD/Postdoctoral position is available in the laboratory of Dr. J.D. Seelig, in the Max Planck Research Group Neural Circuits. We are looking for a highly motivated Graduate/scientist interested in studying the role of neural network function across behavioral states in health and disease. The candidate will utilize modern two-photon imaging, optogenetics, and electrophysiology techniques to investigate neural population activity at cellular resolution in behaving animals, particularly fruit flies and/or mice. More information about the group can be found at <https://www.caesar.de/en/our-research/neural-circuits/research-focus.html>

**Education/Experience:** We are looking for candidates with a strong quantitative background in neuroscience and/or biophysics. Graduates and PhD graduates from related fields (such as physics, engineering or chemistry) are also encouraged to apply. Proficiency in programming languages and the willingness to hone programming skills is preferred.

### References:

<https://elifesciences.org/articles/23496>

<https://www.nature.com/neuro/journal/v20/n4/full/nn.4516.html>

<http://www.nature.com/nature/journal/v521/n7551/abs/nature14446.html>

<http://www.nature.com/nature/journal/v503/n7475/abs/nature12601.html>

<http://www.nature.com/nmeth/journal/v7/n7/abs/nmeth.1468.html>

Please send an email to [johannes.seelig@caesar.de](mailto:johannes.seelig@caesar.de) for informal enquiries or submit your application at our job portal: <https://www.caesar.de/en/joining-caesar/>



### About caesar:

Caesar is a Neuroscience research institute associated with the Max Planck Society and is located in Bonn, Germany. Caesar's research is interdisciplinary with scientists from various research areas working together on the topics of cellular signal processing and the neural foundations of behavior. This ranges from studying the behavior of single-cell organisms to studying one of the key questions of neuroscience: how does neuronal activity give rise to complex and goal-directed behavior?

Caesar is committed to supporting the development of young professionals, is an equal opportunity employer, and is certified by audit berufundfamilie.