FASSBERG Seminar Series

Tuesday
6. 2. 2018
11:00 s.t.

Prof. Dr. Oliver Hobert

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Gene regulatory principles of nervous system development

One of the central questions in developmental neurobiology is how a developing organism can generate a vast array of distinct neuronal cell types. For a terminally differentiating neuron this questions boils down to a gene regulatory question: how is the expression of the distinct batteries of genes that define the terminal, functional properties of distinct neuron type induced and maintained? Through the decoding of cis-regulatory elements and forward genetic screens in the nematode *C.elegans*, my laboratory has begun to uncover what appear to some simple, phylogenetically conserved principles that underlie the generation of diverse neuronal identities.

Host: Dirk Görlich

Large Seminar Room, Ludwig Prandtl Hall
Max Planck Institute for Biophysical Chemistry, Am Fassberg 11, 37079 Göttingen