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Molecular Virology / Cell Biology / Immunology: Prof. Dr. Ralf Bartenschlager (Heidelberg University)
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Pediatric Hematology / Immunology / Oncology: Prof. Dr. Dr. Christoph Klein (LMU Munich)
Degenerative Diseases of the Retina / Ocular Toxicology & Clinical Electrophysiology / Optoelectronic Retinal Implants: Prof. Dr. Eberhart Zrenner (Eberhard Karls University Tübingen)

The Hector Fellow Academy offers you the opportunity to realize a self-developed research project under supervision of a Hector Fellow. The Hector Fellows are a community of outstanding professors from different research institutions across Germany. They have been recognized by the Hector Foundation for their merit in research and teaching within natural sciences, informatics, mathematics, medicine / psychology and engineering. At the Academy they pass on their expertise to prospective young scientists.

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Carry out your own PhD project!

– in Molecular Virology / Cell Biology / Immunology –

supervised by

Prof. Dr. Ralf Bartenschlager (Heidelberg University)

The Hector Fellow Academy offers you the opportunity to realize a self-developed research project under supervision Prof. Ralf Bartenschlager. He is one of the Hector Fellows, a community of outstanding professors from different research institutions across Germany working in STEM-subjects, medicine, and psychology.

The virologist researches the reproduction strategies and the immune biology of medical important hepatitis viruses as well as flaviviruses, especially the dengue virus and the zika virus. He achieved to develop cell culture models of the hepatitis C virus (HCV), with which it was possible for the first time to simulate in vitro the viral replication cycle.

Your profile

You are enthusiastic about developing and investigating an innovative research idea within the discipline of Prof. Bartenschlager

You have a master’s degree in a scientific or engineering subject with excellent grades

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– in Experimental Biophysics / Biochemistry –

supervised by

Prof. Peter Hegemann (Humboldt University of Berlin)

The Hector Fellow Academy offers you the opportunity to **realize a self-developed research project under supervision Prof. Peter Hegemann**. He is one of the Hector Fellows, a community of outstanding professors from different research institutions across Germany working in **STEM-subjects, medicine, and psychology**.

He is one of the founding fathers of optogenetics, which combines the methods of optics and genetics to create a form of non-invasive stimulation of neurons. His research with photoreceptors of algae has led to the discovery of light-sensitive ion compositions in cells. The protein involved (“channelrhodopsin-2”) enables a precise control of genetically modified cells through light pulses, which leads to a new possibility to treat neuronal illnesses.

**Your profile**

You are enthusiastic about developing and investigating an innovative research idea within the **discipline of Prof. Hegemann**

You have a master’s degree in a scientific or engineering subject with excellent grades

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Carry out your own doctoral project!

– in Pediatric Hematology / Immunology / Oncology –

supervised by

Prof. Christoph Klein (LMU Munich)

The Hector Fellow Academy offers you the opportunity to realize a self-developed research project under supervision Prof. Christoph Klein. He is one of the Hector Fellows, a community of outstanding professors from different research institutions across Germany working in STEM-subjects, medicine, and psychology.

He belongs to the pioneers in the field of cell and gene therapy in children with rare inherited disorders of the blood and immune system. Together with his research team he identifies molecular causes of genetic diseases, studies their pathomechanisms and develops new therapeutic strategies with the aim of, in long-term, improving the chances of recovery of affected children.

Your profile

You are enthusiastic about developing and investigating an innovative research idea within the discipline of Prof. Klein

You have a master’s degree in a scientific or engineering subject with excellent grades

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Your application

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Further information: www.hector-fellow-academy.de
Carry out your own PhD project!
– in Degenerative Diseases of the Retina / Ocular Toxicology & Clinical Electrophysiology / Optoelectronical Retinal Implants –
supervised by Prof. Eberhart Zrenner (Eberhard Karls University Tübingen)

The Hector Fellow Academy offers you the opportunity to realize a self-developed research project under supervision Prof. Eberhart Zrenner. He is one of the Hector Fellows, a community of outstanding professors from different research institutions across Germany working in STEM-subjects, medicine, and psychology.

He belongs to the pioneers in the development of sub-retinal electronic chips aiming at functional restoration of vision. With the help of these chips, which are now approved as medical devices and are produced by the Retina Implant AG cofounded by Zrenner, blind test persons were able to recognize objects and read words.

Your profile
You are enthusiastic about developing and investigating an innovative research idea within the discipline of Prof. Zrenner
You have a master’s degree in a scientific or engineering subject with excellent grades

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