

BioRN Lounge with: Eckhard Friauf, [University of Kaiserslautern](#)

Topic: *“How hearing happens – behind the crucial cochlear curtain”*

November 27, 2018, 7pm

At the restaurant Urban Kitchen, Poststr. 36/5 in Heidelberg

Register by emailing to Sibylle Geilenberg: sg@biorn.org



Prof. Eckhard Friauf

About:

In order to hear, we need a functional ear. Although this statement sounds reasonable if not trivial, proper hearing requires a lot more, namely neuronal computation at many stations of the acoustic brain. How auditory neurons fulfill their demanding task with remarkably high temporal precision and great robustness, and how we can manage to focus acoustically at a cocktail party, will be the topic of today's talk.

Speaker: Prof. Eckhard Friauf, Biology Department, [University of Kaiserslautern](#).

The neurobiologist Eckhard Friauf has headed the Department of Animal Physiology at the Department of Biology at the TU Kaiserslautern (TUK) since 1999. He previously held a professorship at the University Hospital of Frankfurt. He studied biology with the minor subjects in physics and pharmacology at the Universities of Marburg and Tübingen, where he also habilitated. Two stays abroad at New York University and Stanford University, lasting several years, complete his scientific curriculum vitae. Since 2017, Professor Friauf has been President of the German Neuroscientific Society, which represents the interests of basic researchers dealing with the development, function, performance and disorders of the brain and nervous system. His main area of expertise is information processing in the brain, with a focus on those areas that have to do with hearing. His research group is investigating the interaction of individual nerve cells in animals using ultra-fine measuring probes that can register signals in the millivolt and microsecond range.