



**Ústav
experimentální
medicíny AV ČR, v.v.i.**

EU Centre of Excellence

1. **Job information :** Post-doctoral position in Prague, Czech Republic
2. **Closing date :** 15 June 2012
3. **Employment start date :** 01 October 2012
4. **Contract length :** 30 months
5. **Institution :** Institute of Experimental Medicine AS CR (IEM AS CR), Videnska 1083, Praha 4, 142 00, Czech Republic, <http://www.iem.cas.cz>
6. **Department :** Department of Auditory Neuroscience
7. **Contact information :** Prof. Josef Syka, M.D., Ph.D., D.Sc, Head of Dpt. of Auditory Neuroscience, Institute of Experimental Medicine AS CR, syka@biomed.cas.cz, tel. +420 241 062 700, (scientific information) or Mr. Jan Proksik, proksik@biomed.cas.cz, tel. +420 296 443 632 (technical /administrative information)
8. **Job description :**

The research profile is behavioral neuroscience combined with genetics. The main role of the post-doc will be to initiate the assessment of hearing function in mutant mice using electrophysiological and behavioral methods as part of a Mouse Clinic constructed as part of a new biotechnology and biomedical institute. The main focus of investigation will be assessing the details of hearing dysfunction in mice and rats using electrophysiological and behavioral methods as well as otoacoustic emissions. A necessary prerequisite is skills in contemporary genetic methods for the study of transgenic animals (knock-outs, knock-in etc.). Participation in other projects will be possible, e.g investigating the underlying principles of presbycusis, the effects of noise on the auditory system, the function of the descending auditory pathways and plasticity of the auditory system. We are interested in attracting a candidate with expertise in combining behavioral research with in vivo electrophysiology and extensive knowledge of contemporary genetics.

Requirements: thesis with relevance to auditory neuroscience defended in April 2008 or later, very good knowledge of English (CAE or equivalent) or Czech, at least 3 articles in impacted journals (IF>1).



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How to apply: Send a letter of motivation, CV, copy of university diploma, proof of nationality, list of publications and abstract of the thesis. All documents must be originals or certified copies, submitted in Czech/English by surface mail no later than 15 June 2012 to the given address, marked „BIOCEV POSTDOC – AUDITORY NEUROSCIENCE“. Shortlisted candidates will be invited for an interview. Travel expenses can not be covered.

Applicants will be assessed based on the number and quality of publications in IF journals, the scope and quality of lectures presented, the total duration of foreign research fellowships, the scope of methodological knowledge and the significance and quality of the letters of reference and recommendations.



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