Popular scientific project description for project funded by Ekhagastiftelsen

Popular scientific project description is to be submitted within 2 months of project grant.

Application number:	2013-127
Project title:	Stepwise improvement of Biocrystallisation Assay …
Receiver of grant (name, address):	University of Bern Switzerland
Contact / project manager:	Stephan Baumgartner
Project start (yyyy-mm-dd): *	
Project end (yyyy-mm-dd): *	
By Ekhagastiftelsen granted sum:	270.000 SEK

Project description: (max 150 words)

A major challenge of homeopathic basic research is to develop test systems that yield consistent results. A newly developed test system that uses biocrystallisation of homeopathically treated cress seedlings yielded very high evidence for specific effects of an ultramolecular homeopathic dilution. The computerized image analysis evaluation tool yielded statistical significance for 7 out of 15 experimental days. This raised the question whether the non-significant days were due to the cress-biocrystallisation procedure applied or due to the evaluation tool. Within a currently running follow-up project, in which possible influences of heat and cell phone radiation on remedy efficacy are investigated, various sub-procedures for generating the cress-biocrystallisation pictures have been optimized. The current project focuses on optimizing the evaluation tool to a more 'picture-mimicking' approach, potentially increasing the number of significant experimental days and likewise the applicability of the homeopathic test system, additionally allowing an improved re-evaluation of several agricultural quality investigations.

* Dates for project start and end should be the dates for which the grant is received (Not dates for total project if longer than period for which grant is received)