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**Dear Sir or Madam,**

Tatiana Leonova was working in my lab on her project "Pro-inflammatory effects of protein isolated from the seeds of drought-treated pea (*Pisum sativum* L.) plants" since 01.10.2019 till 31.03.2020. In terms of her project, she grew pea plants and performed drought stress experiment. The physiological state of experimental and control plants was comprehensively characterized by a panel of physiological and biochemical markers. Afterwards, the total protein was isolated from the harvested seeds and was subjected to exhaustive enzymatic hydrolysis. Analysis of pro-inflammatory effects related to the seeds of drought-treated pea plants relied on SH-SY5Y human neuroblastoma cell line and multi-parametric immunofluorescent technology Luminex xMAP. A short-term drought, simulated as polyethylene glycol-induced osmotic stress and applied at the stage of seed filling, accompanied with significant suppression of NF- $\kappa$ B activation in human SH-SY5Y neuroblastoma cells after a treatment with protein hydrolyzates, isolated from the mature seeds of drought-treated plants. During her work, Tatiana Leonova demonstrated a keen interest to the topic, and proved to be a reliable colleague. She proved to be a hard-working and open-minded student, able to find creative solutions of non-trivial tasks. In her practical course, she demonstrated the ability to work independently and to manage the challenge of organizing the outside cooperation with Prof. Wessjohann. We are looking forward for further cooperation with her. I thank Tatiana Leonova for her work here and wish her success with her further PhD study at the St. Petersburg University.

With best regards,



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