



Section 1

Applicant (at the time of application, i.e. supervisor of the visiting researcher or the visiting researcher themselves)	
Name	Adam T. Guy
Job title	Associate Professor
University	Kyoto University
Affiliation	Graduate School of Biostudies

Section 2

Visiting researcher (if different from the above)	
Name	Linchi Chen
Job title	PhD Student
University	Kyoto University
Affiliation	Graduate School of Biostudies

Section 3

Host researcher	
Name	Esther Stoeckli
Job title	Full Professor of Developmental Neuroscience
University	University of Zürich
Affiliation	Department of Molecular Life Science

Section 4

Summary of the project (approx. 200 words)
<p>This project was a life sciences research collaboration between applicant Adam T. Guy at the Graduate School of Biostudies (Kyoto University) and the host laboratory of Professor Esther Stoeckli, Department of Molecular Life Science (University of Zürich) entitled “Collaborative neuroscience research for developing new drugs targeting GPR55 with the goal of treating neuropathic pain.” This project was conceived to learn specialized experimental techniques pioneered by Prof. Stoeckli, a world leader in developmental neurobiology research using chick as a model organism, and apply these skills to research being carried out in my lab here at Kyoto University. Kyoto University PhD student Mr Linchi Chen’s PhD project is based on functional analyses of the G protein-coupled receptor GPR55, an orphan receptor that is believed to be involved in disorders of the nervous system, such as neuropathic pain. By participating in this project, Linchi Chen was able to learn firsthand the method of how to knock-down GPR55 in developing brain using <i>in vivo</i> electroporation of siRNA, and how to evaluate the developmental outcomes of this loss-of-function approach in chick embryos. Linchi Chen also greatly benefited personally from this scientific experience, and the cultural exchange involved.</p>