

Joint call in the field of ‘Biomaterials for medical applications’ and ‘Advanced Materials for printed functionality’ (Japan Science and Technology Agency, Academy of Finland and Tekes)

Japan Science and Technology Agency (JST), the Academy of Finland (AF) and the Finnish Funding Agency for Technology and Innovation (Tekes) invite researchers to submit proposals for collaborative research projects within the field of ‘biomaterials for medical applications’ or ‘advanced materials for printed functionality’. These research fields are currently undergoing remarkable development and are considered important on a global scale in achieving steady growth and sustainability in the long run. The research activities in these areas are strong both in Japan and Finland, and the collaboration potential between the two countries is significant.

Possible research topics for ‘biomaterials for medical applications’ are for example: biomaterials for implants and prostheses, biodegradable polymers, new materials to be used as controlled release reservoirs for targeted drug or gene delivery, and materials for diagnosis technology.

The research for ‘advanced materials for printed functionality’ focuses on development of novel functional printable materials and associated printing technology. Possible research topics are for example: paper as substrate material for printable devices, carbon-based materials for printable electronics, materials and printing technology for printable 3D structures, materials for printable display technology, and tailored advanced inks enabling extreme functionality.

This is the third call of the three joint calls that JST, AF and Tekes have arranged within the field of functional materials during the years 2008–2010. In each of the three joint calls, at least three joint projects will be funded. Each project will run for three years. The aim of these calls is to strengthen the collaboration between Japan and Finland to achieve world-class scientific results, leading towards new innovative technologies.