

NANOTECHNOLOGY & TECH TRANSFER IN THE CZECH REPUBLIC – RECENT DEVELOPMENTS

Jiri Fusek

Sector Manager for Nanotechnologies & Advanced Materials

CzechInvest

Stepanska 15, Prague, Czech Republic

jiri.fusek@czechinvest.org

CzechInvest, the Investment and Business Development Agency of the Czech Republic, has identified Nanotechnology as one of its priority sectors mainly due to immense potential of this field with traditional basis in industrial heritage of the Czech Republic (textiles, chemistry, optics) and influence over key industries of the Czech economy (automotive, aerospace, precise engineering), and outstanding achievements of Czech companies and R&D institutions (especially in nanofibers, electron microscopy or lithography). Therefore, CzechInvest actively supports internationalization of Czech nanotechnology by its marketing activities and participation in the most important nanotechnology events in the world.

Main aim of this presentation will be to give an overview of the recent developments in nanotechnology tech transfer in the Czech Republic and opportunities for international collaboration. Apart from introducing basic information about current situation in the Czech nanotechnology sector, I would like to provide you with several examples of successfully transferred technologies into practice or the ones on the best way to do so. These consist of new types of electron microscopy, nanoparticles for water treatment, laser-induced breakdown spectroscopy or artificial blood vessels and tissue regeneration using nanofibers.