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A comparison analysis on nanotechnology policies of the US and Korea

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After nanotechnology was considered a key technology for the future of industry, several countries have established national nanotechnology development plans. As the importance of nanotechnology for creating innovation has increased significantly, leading countries in nanotechnology also have invested much in the transformation of nanoscience into commercialization. The US is a leading country in the nanotechnology area while Korea is one of the upcoming countries. In this study, we carried out a cross-country comparative study on R&D and commercialization trends of the two countries in the nanotechnology area by analyzing national nanotechnology budgets of the US and Korea. Through the comparative analysis, we expect to find out what roles the US and Korea governments will play to become world leaders in the nanotechnology area. We also expect to promote relevant policies and strategic positioning of both countries in the nanotechnology area. Additionally, we propose R&D directions for Korea's nanotechnology policy based on this study.

Biography

Kyunghye Lee has completed her PhD from School of Computing, Soongsil University. She is working as a Research Fellow at National Nanotechnology Policy Center, Korea Institute of Science Technology Information.

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