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| Technology/ Title | Targeted antigen delivery system | |
| Technology Type | <input checked="" type="checkbox"/> Biotechnology | <input type="checkbox"/> Device/Diagnostics |
| | <input type="checkbox"/> Pharmaceutical | <input type="checkbox"/> Others: _____ - |
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| Link | http:// | |
| Technology Description | <p>Dendritic cells express various Fcγ receptors (FcγRs), which mediate internalization of antigen-antibody complexes and regulate immune responses. Targeting of antigen to dendritic cells via FcγRs potentially constitutes an effective strategy for modulation of antigen-specific immune responses. Formyl peptide receptor-like inhibitory protein (FLIPr), secreted by <i>Staphylococcus aureus</i>, can bind to various Fcγ receptors. We demonstrate that <u>antigen-FLIPr fusion proteins</u> can guide antigens to FcγR and induce potent immune responses. These findings support that FLIPr is a potent antigen delivery vector to augment antigen-specific responses. This strategy can be applied to other vaccine development.</p> <p>We expect this technology to be used in the development of new and better vaccines, especially for the unmet medical need disease areas.</p> | |

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| Intellectual Property | Taiwan patent allowed (Publication No. 201834693). PCT application pending (Publication no. WO2018128931A1) |
| Key Publications | Manuscript in submission |
| Business Opportunity | License and/or Collaboration and Sponsored Research |