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| Project title | Treating the most aggressive breast cancers using molecules from natural substances |
| Recipient | Ms Ciara Duffy |
| Institution | The University of Western Australia |
| Research description | <p>Breast cancer remains a serious health threat for women, which occurs frequently with devastating outcomes. There are no drugs available which can specifically target the most difficult to treat breast cancers, such as triple-negative breast cancer. For people with this subtype, the only treatment options are chemotherapy, radiation and surgery, which can have lifelong side effects.</p> <p>Natural substances have been studied for a long time, and shown to work in killing cancer cells. The major molecules in these cancer selective natural compounds will be investigated. This research will involve treating breast cancer cells with these anti-cancer molecules and understanding how the cells die. The molecules will also be delivered using very small targeted particles. In this project, the aim is to develop a new targeted drug derived from natural molecules, which will selectively kill the most difficult to treat breast cancer cells.</p> |
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| Fully supported | In the name of Momentum for Australia |