

INNOVATION VENTURES

AVAILABLE TECHNOLOGIES

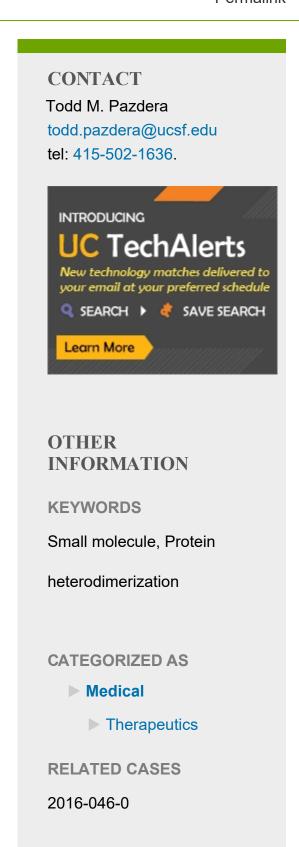
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Request Information

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Preliminary Small Molecule-mediated Protein Heterodimerization

Tech ID: 25565 / UC Case 2016-046-0



INVENTION NOVELTY

This technology provides a novel method to effectively modulate protein heterodimerization in a cell by utilizing small molecules.

TECHNOLOGY DESCRIPTION

Researchers at University of California, San Francisco have developed a method of regulated protein heterodimerization that utilizes components from an inducible transcriptional regulatory complex. Heterodimerizer modules can provide a potential way to control engineered cell activity, but there are no FDA approved heterodimerizer drugs yet. The presented technology may address this unmet need; however, this novel invention will still need some scientific and commercial validation with a goal of bringing it to market.

APPLICATION

- Potentially control synthetic receptors, signaling molecules, and other molecules in response to the cognate small molecules
- May be used for regulating activity of engineered therapeutic cells

STAGE OF DEVELOPMENT

Proof of concept

DATA AVAILABILITY

Under CDA/NDA

IP STATUS

Pending

PATENT STATUS

| Country | Туре | Number | Dated | Case |
|--------------------------|-----------------------|------------|------------|----------|
| Israel | Issued Patent | 259514 | 05/02/2023 | 2016-046 |
| Mexico | Issued Patent | 399964 | 02/08/2023 | 2016-046 |
| United States Of America | Issued Patent | 11,136,562 | 10/05/2021 | 2016-046 |
| India | Published Application | 37/2018 | 09/14/2018 | 2016-046 |
| Eurasian Patent Office | Published Application | | | 2016-046 |

Additional Patents Pending

OTHER INFORMATION

Unpublished at this time

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