



## An Adventitial Painting Modality Of Local Drug Delivery To Abate Intimal Hyperplasia

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### The Invention

*The UW inventors and collaborators developed a new modality of directly “painting” drug-loaded unimolecular micelles (UM) to the adventitia thus obviating the need for a hydrogel. To render tissue adhesion, they generated amine-reactive unimolecular micelles with N-hydroxysuccinimide ester (UM-NHS) terminal groups to form stable amide bonds with the adventitia. This ensures that the active ingredient (in this case rapamycin) in the micelle stays at the damaged site rather than leaking away from the vessel and no additional tissue damage is observed.*

### Additional Information

#### For More Information About the Inventors

- [Shaoqin Gong](#)

#### Tech Fields

- [Drug Delivery : Other drug delivery technologies](#)

For current licensing status, please contact Rafael Diaz at [rdiaz@warf.org](mailto:rdiaz@warf.org) or 608-960-9847