



## Chemically Defined Differentiation Protocol For Pericyte Differentiation From Pluripotent Stem Cells

[View U.S. Patent Application Publication No. US-2019-0316094 in PDF format.](#)

**WARF: P180159US02**

Inventors: William Murphy, William Daly, Cheryl Soref, Elizabeth Torr, Elizabeth Aisenbrey, Hunter Johnson

---

### The Invention

The present invention provides methods of differentiating pericytes from pluripotent stem cells comprising culturing steps in chemically defined culture medium. A population of exogenously derived pericytes from PSCs are also contemplated. Further uses of the exogenously cultured pericytes for an in vitro disease model or in vitro angiogenesis assay are contemplated, including an in vitro 3D model of vasculature.

### Additional Information

#### For More Information About the Inventors

- [William Murphy](#).

#### Tech Fields

- [Pluripotent Stem Cells : Differentiation](#)

For current licensing status, please contact Andy DeTienne at [adetienne@warf.org](mailto:adetienne@warf.org) or 608-960-9857