



# Funding Opportunities

## October 17, 2022

*Department of Energy, Advanced Manufacturing Office*

### **(NOI) Applied Research and Development for Materials and Technologies to Drive Innovation in Clean Manufacturing**

**Summary:** the U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) announced its intent to issue a funding opportunity announcement (FOA) that will drive innovation leading to economy-wide decarbonization, increased sustainability, and economic competitiveness. The "FY22 Advanced Materials and Manufacturing Technologies—Building Technologies Office Multi-topic FOA" will support the Biden-Harris Administration's priorities to invest in the next-generation materials and manufacturing technologies needed to support manufacturing competitiveness, tackle the climate crisis, and move the U.S. towards a net-zero carbon economy by 2050.

**Topic Areas:** The "FY22 Advanced Materials and Manufacturing Technologies—Building Technologies Office Multi-topic FOA" is expected to include the following topics that will accelerate research and development (R&D) leading to the adoption of innovative materials and manufacturing technologies in support of a clean, decarbonized economy.

- **Next Generation Materials and Manufacturing** — This topic will focus on RD&D of novel materials with improved properties such as high-strength, high-temperature performance, and/or enhanced conductivity. Specific areas of interest include increased conductivity materials, harsh environment materials, and AI/machine learning for aerostructures.
- **Secure and Sustainable Materials** — This topic will focus on R&D of material and process innovation in support of secure and sustainable supply chains for a clean economy. A specific area of interest includes materials circularity regional pilot demonstrations with a focus on accelerating pilot-scale demonstrations of circular economy technologies such as innovative material recovery, end-of-life processing, and recycling for key regional material supply chains.
- **Energy Technology Manufacturing and Workforce** — This topic will focus on R&D of innovative manufacturing technologies to advance a clean energy economy.

Specific areas of interest include building dehumidification scale-up and electric vehicle battery manufacturing to develop, scale-up, and pilot demonstrate chemistry-agnostic processing technologies to manufacture state-of-the-art cathode active materials (CAM) for current domestic manufacturing.

**Additional Information:** [FY22 Advanced Materials and Manufacturing Technologies](#)

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*Camille and Henry Dreyfus Foundation, Inc.*

**Camille Dreyfus Teacher-Scholar Award | February 1, 2023**

**Summary:** The Camille Dreyfus Teacher-Scholar Awards Program supports the research and teaching careers of talented young faculty in the chemical sciences. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. Criteria for selection include an independent body of scholarship attained in the early years of their appointment, and a demonstrated commitment to education, signaling the promise of continuing outstanding contributions to both research and teaching.

**Award:** The Camille Dreyfus Teacher-Scholar Award provides a \$100,000 unrestricted research grant. Of the total amount, \$7,500 is for departmental expenses associated with research and education. Charges associated with indirect costs or institutional overhead are not allowed. Defrayal of academic-year salary is not permitted. Funds are normally expended over a period of five years. Foundation approval is not required for budgetary changes after an award is made. If the awardee leaves the institution, the transfer of the remaining funds requires prior Foundation approval.

**Additional Information:** [Camille Dreyfus Teacher-Scholar Awards Program](#)