Frances Arnold
California Institute of Technology

Federal grants received in the past 36 months from the date of the hearing:

Project Title: Biocatalytic C-H Bond Functionalization for the Synthesis of Enantioenriched Amines and Amides
Source of Support: **American Chemical Society CGI Pharmaceutical Roundtable**
Award No. N/A
Start Date: 10/2020
End Date: 03/2021
Total Award Amount: $25,000

Project Title: Direct Biotransformation of Feedstock Chemicals to Primary Amines using Nitrogen Transferases
Source of Support: **Department of Energy**
Award Number: DE-SC0021141
Start Date: 09/2020
End Date: 08/2023
Total Award Amount: $575,000

Project Title: Validation and Dissemination of Machine Learning-Assisted Enzyme Engineering
Source of Support: **Camille and Henry Dreyfus Foundation**
Award No.: ML-20-194
Start Date: 09/2020
End Date: 08/2021
Total Award Amount: $100,000

Project Title: Abiological Enzymatic C-H Functionalization for Bioactive Molecule Construction and Diversification
Source of Support: **National Institutes of Health NIGMS**
Award Number: R01GM138740
Start Date: 07/2020
End Date: 06/2024
Total Award Amount: $1,289,692

Project Title: Enzymatic Degradation and C-H Functionalization of Siloxanes
Source of Support: **Dow Chemical Company**
Award Number: 227027AU
Start Date: 07/2020
End Date: 06/2023
Total Award Amount: $1,490,693

Project Title: Evolving Hemoproteins for New-to-Nature Ring-Forming Reactions
Source of Support: **National Science Foundation MCB**
Award Number: 2016137
Start Date: 06/2020
End Date: 05/2023
Total Award Amount: $1,201,350

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Federal grants received in the past 36 months from the date of the hearing:

Project Title: Next-Generation Protein Engineering: Machine Learning for Enzyme Engineering
Source of Support: **National Science Foundation CBET**
Award Number: 1937902
Start Date: 10/2019
End Date: 09/2022
Total Award Amount: $787,464

Project Title: Directed Evolution of Enzymes for Energetic Molecule Synthesis [No-cost extension]
Source of Support: **US Army Research Lab ICB UARC**
Award Number: W911NF19D0001
Start Date: 02/2019
End Date: 12/2021
Total Award Amount: $701,789

Project Title: BioEnabled Materials and Systems & Synthetic Biology
Source of Support: **US Army Research Office ICB**
Award Number: W911NF1920026
Start Date: 12/2018
End Date: 11/2023
Total Award Amount: $693,104

Project Title: Development of a Biocatalytic Platform for Convergent Synthesis of Chiral Amines
Source of Support: **National Institutes of Health NIGMS**
Award Number: R01GM125887
Start Date: 07/2018
End Date: 04/2022
Total Award Amount: $1,216,856