

CURRENT AND PENDING (OTHER) SUPPORT INFORMATION

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person.

*NAME: Brown, Michael

PERSISTENT IDENTIFIER (PID) OF THE SENIOR/KEY PERSON: <https://orcid.org/0000-0002-2561-7037>

*POSITION TITLE: Associate Professor

*ORGANIZATION AND LOCATION: University of Michigan, Ann Arbor, Michigan, United States

Proposals/Active Projects

***Proposal/Active Project Title:** Collaborative Research: Ideas Lab: PEL Meaningful Failure: Transforming Academic Structures and Incentives through Personalization in Engineering Education

***Status of Support:** Current

Proposal/Award Number:

***Source of Support:** National Science Foundation

***Primary Place of Performance:** University of Michigan

***Proposal/Active Project Start Date: (MM/YYYY):** 09/2024

***Proposal/Active Project End Date: (MM/YYYY):** 08/2026

***Total Anticipated Proposal/Project Amount:** \$274,703

* **Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2025	0.25
2026	0.25

***Overall Objectives:** We will engage academic leaders and instructors in engineering education in interviews on their experiences of and beliefs about failure, analyze data and generate actionable insights for the development of failure profiles to support pedagogical change in engineering education and, assist the team with instrument development, data analysis strategies, and convergence research on meaningful failure in engineering learning.

***Statement of Potential Overlap:** None

***Proposal/Active Project Title:** Creating transformative possibility in schools and communities: Asian American Studies in divergent political contexts

***Status of Support:** Current

Proposal/Award Number:

***Source of Support:** Michigan State University/Spencer Foundation

***Primary Place of Performance:** University of Michigan

***Proposal/Active Project Start Date: (MM/YYYY):** 08/2024

***Proposal/Active Project End Date: (MM/YYYY):** 07/2029

***Total Anticipated Proposal/Project Amount:** \$342,653

*** Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2025	2.8
2026	2.8
2027	2.8
2028	2.8
2029	2.8

***Overall Objectives:** Dr. Brown will serve as the co-principal investigator for the project, providing leadership on complementary methods of data collection and analysis. Dr. Brown's expertise is in the analysis of large quantitative data sets for educational improvement and in the use of network methods to understand organizational learning and organizational change. As part of this project, he will help develop data collection instruments for all strands of the research, with an emphasis on network data related to case development and survey instruments for observing teacher and student learning impact. He will also lead the analysis of network data resources and contribute to the analytical strategies of qualitative and quantitative data sets. Dr. Brown will lead the development of case studies using social network methodology and contribute to the resulting toolkit that provides guidance on adoption and sustainability of Asian American Studies in K-12 contexts. Dr. Brown will also contribute to project dissemination by leading manuscripts focused on community learning and curriculum implementation.

***Statement of Potential Overlap:** None

***Proposal/Active Project Title:** Supporting the success and persistence of biology majors through a cohort model for community college transfer

***Status of Support:** Current

Proposal/Award Number: 2129885

***Source of Support:** National Science Foundation

***Primary Place of Performance:** Evergreen Valley College

***Proposal/Active Project Start Date: (MM/YYYY):** 08/2022

***Proposal/Active Project End Date: (MM/YYYY):** 08/2028

***Total Anticipated Proposal/Project Amount:** \$749,766

*** Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2025	1
2026	1
2027	0.5
2028	0.1

***Overall Objectives:** Identify strategies and programming that fosters socio-academic relationship formation among community college life science students. Evaluate newly implemented college preparation course focused on life science transfer students.

***Statement of Potential Overlap:** Both projects focus on STEM teaching and learning although the projects have different focal disciplines. There is little potential for overlap.

***Proposal/Active Project Title:** Reforming Assessment in STEM Through Departmental Action Teams

***Status of Support:** Pending

Proposal/Award Number: 234099

***Source of Support:** National Science Foundation

***Primary Place of Performance:** University of Michigan

***Proposal/Active Project Start Date: (MM/YYYY):** 10/2025

***Proposal/Active Project End Date: (MM/YYYY):** 09/2028

***Total Anticipated Proposal/Project Amount:** \$400,000

*** Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2026	0.1
2027	0.1
2028	0.1

***Overall Objectives:** Establish two cross-role departmental action teams (DATs) to examine current assessment practices and to explore and pilot new approaches. Support the DATs with expert facilitators, data at multiple levels, a community with shared goals, and resources on alternative assessment approaches. Characterize and report on the relationship between assessment approaches and student learning and performance outcomes for different course and departmental contexts.

***Statement of Potential Overlap:** This project has minimal overlap between my existing funded projects.

However the findings may contribute inform design decisions my team makes in our project focused on the development of personalized engineering education pedagogy.

Certification:

I certify that the information provided is current, accurate, and complete. This includes but is not limited to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. § 6605.

I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program.

Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Brown, Michael in SciENcv on 2025-01-07 11:27:52