



Vamos a Fermilab - Mentors and Access Status

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Fermilab

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Recruitment of Fermilab mentors

First round of recruitment of STEM professionals at Fermilab through massive messaging with information about the program was very successful

- 25 volunteers, covering most areas of Fermilab STEM
 - Particle beams, software, computing (including quantum and AI), magnets, theoretical and experimental physics (neutrinos, muons, collider, dark matter), cryogenics, procurement and finance, etc.

Email Address	Name	Research Area
jdl@fnal.gov	Jonathan Lewis	LBNF Beamline Project Manager
marcom@fnal.gov	Marco Mambelli	Scientific distributed computing
stoyan@fnal.gov	Stoyan Stoynev	superconducting magnet technologies and diagnostics
kbadgley@fnal.gov	Karie Badgley	Superconducting and resistive magnet design
shirleyli.phys@gmail.com	Shirley Li	Theory Group, Neutrino Physics
cmantill@fnal.gov	Cristina Mantilla Suarez	LHC physics and Higgs bosons, accelerator experiments for dark matter detection
mtanaz@fnal.gov	Tanaz Mohayai	Neutrino Physics
akish@fnal.gov	Alexander Kish	Proton Assembly Building, activities are R&D and usually include hardware: photodetection, electronics, low and high volta
aquinter@fnal.gov	Andrés Quintero Parra	test beam, FPGA readout, and cryogenic SiPM readout
marchan@fnal.gov	Miguelangel Marchán	Detector electronics. Schematic and layout design of DUNE's front end board. Hardware, testing, debugging circuit boards
lyon@fnal.gov	Adam Lyon	Software, computing, quantum computing, g-2 muon experiment.
gardiner@fnal.gov	Steven Gardiner	Neutrino generators software, neutrino physics.
shirleyl@fnal.gov	Shirley LLi	Software, neutrino physics.
jhirsch@fnal.gov	Jim Hirschauer	CMS experiment, calorimeter hardware, module testing, BSM physics.
perdue@fnal.gov	Gabe Perdue	Quantum science, artificial intelligence, neutrino physics.
macosta@fnal.gov	María Acosta	Computing services infrastructure
jyturral@fnal.gov	James Yturralde	Procurement and finance.
gfmoroni@fnal.gov	Guillermo Fernández Mo	Dark matter experiments
betan009@fnal.gov	Minerba Betancourt	Neutrino physics
daniel@fnal.gov	Daniel Elvira	Collider physics
estrada@fnal.gov	Juan Estrada	Dark matter physics

Recruitment of Fermilab mentors

If there were more than 20 qualified students recruited for the program

- Stipend - We may be able to obtain extra resources from Fermilab
- Mentors - We should be able to recruit more with a little bit of leg work

As of March 1st, Fermilab has moved out of maximum teleworking and employees are returning to work in-person at the Fermilab Campus

As of today, the plan for Vamos a Fermilab for the Summer-Fall 2022 includes:

- Three days (not necessarily consecutive) of a paid shadowing experience to be scheduled independently for each student
- Presentations, most probably hybrid attendance
- Tours of Fermilab facilities to be planned according to interest
- Mentoring to apply to the DOE CCI and SULI programs

Student information

Please fill out this form for each of your students:


https://docs.google.com/forms/d/e/1FAIpQLSfGxTZAv_pmb6sH1CEel6hmJo_FNn99C9ufPWTLsQRB_SiFIQ/viewform

Include every student who qualifies - no quota for now

We will work to find more mentors, if necessary, and financial resources to support as many students as possible

- We may need to establish a student quota per institution ~ end of March

Vamos a Fermilab

v.daniel.elvira@gmail.com [Switch account](#) 

*** Required**

Email *

Your email

Student Name

Your answer

Student Email

Your answer

Institution

Your answer

STEM area of interest

Your answer

College/University Mentor Name

Your answer

Fermilab Campus Access

Students will be User/Affiliates (depending exactly on their project).

Instructions: <https://get-connected.fnal.gov/accessandbadging/instructions/>

Will need to require: **“Onsite Access (ID Badge)”**

[New or Renewing Onsite Access Request Form](#)

Need to start this **2 month before first visit**.

To complete the form student needs:

- Personal email address (not shared), phone number.
- Name, email address, and phone number of Fermilab point of contact (Mentor).
- The location where student will be working (from Mentor).
- Fermilab Experiment, Project, Division, or Section affiliation (from Mentor).

Up to one year of access can be requested, [discuss timeline with Mentoring team](#).

Select onsite option on the access request form.

You are required to present a **valid REAL ID** in order to come onsite.

Some hints for the access form

* Professional Class

Visiting Student - University - Non-Thesis

* Please briefly describe the research and/or technology you will be working on at Fermilab.

[Ask Mentor for help filling this field](#)

Are you receiving any of the following from Fermilab? (Check all that apply)

- Per diem → **students will receive per diem**
- Lodging
- Car rental
- Travel
- None

* Will you be working at the Fermilab site continuously or intermittently?

Intermittently - I will be going back and forth between the Fermilab site and other institutions.

Ask mentors for help, ask us for help, start early.

Status of student recruitment - roundtable

Dominican University

DePaul University

University of Illinois at Chicago

Harold Washington College

Joliet Junior College

Kennedy-King College

Moraine Valley College

Northern Illinois University

Waubonsee College