





## Vamos a Fermilab - Mentors and Access Status

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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	BNF 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 des	ign		
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 phy	sics.		
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

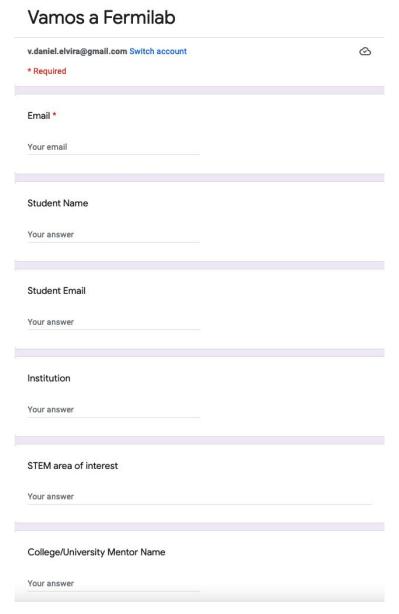
Please fill out this form for each of your students:

https://docs.google.com/forms/d/ e/1FAIpQLSfGxTZAv\_pmb6sH1C Eel6hmJo 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





## Fermilab Campus Access

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

Instructions: <a href="https://get-connected.fnal.gov/accessandbadging/instructions/">https://get-connected.fnal.gov/accessandbadging/instructions/</a>

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).

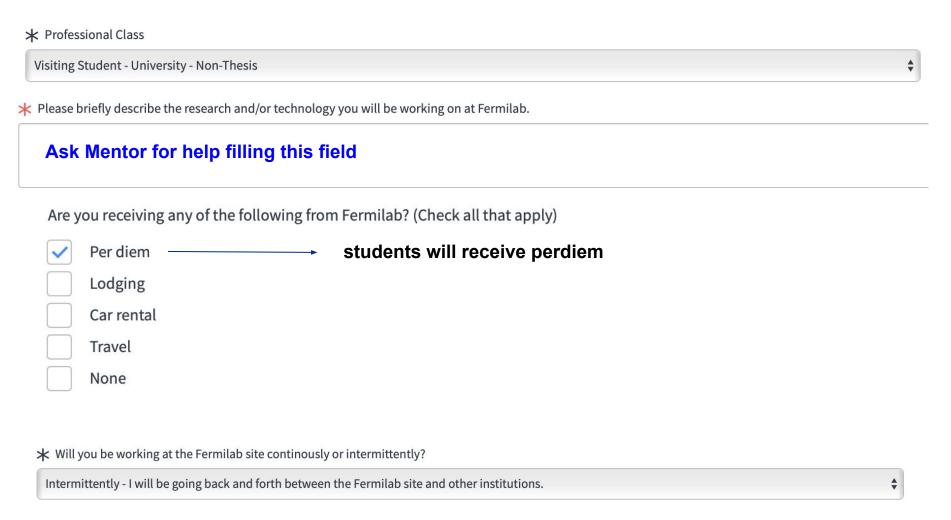
Up to one year of access can be requested, <u>discuss timeline with Mentoring</u> <u>team</u>.

**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



# 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

