Department of Embryology, Personnel

July 1, 2018 – June 30, 2019

Staff Members

Alex Bortvin
Donald D. Brown, Director Emeritus
Chen-Ming Fan
Steven A. Farber
Joseph G. Gall
Marnie E. Halpern
William Ludington
Allan C. Spradling
Yixian Zheng, Director

Staff Associates

Kamena Kostova¹
Christoph Lepper ²
Zhao Zhang

Postdoctoral Fellows and Associates

Yun Bai, Postdoctoral Researcher
Amanda Chicoli, Postdoctoral Researcher
Jung-Hwa Choi, Postdoctoral Researcher
Joseph Tran, Postdoctoral Researcher
John Urban, Postdoctoral Researcher
Chenhui Wang, HHMI Postdoctoral Researcher
Lu Wang, Postdoctoral Researcher
Lu Wang, Postdoctoral Researcher
Xinyi Wang, Postdoctoral Researcher
Meredith Wilson, Postdoctoral Researcher
Hao Yan, Postdoctoral Researcher
Fu Yang, Postdoctoral Researcher
Ran Zhou, Postdoctoral Researcher

**Predoctoral Fellows and Associates**

Michelle Biederman, The Johns Hopkins University
Jui-Ko Chang, The Johns Hopkins University
Ji Cheng, The Johns Hopkins University
Asya Davidian, St. Petersburg State University
Tyler Harvey, The Johns Hopkins University
Liangji Li, The Johns Hopkins University
Tabea Moll, The Johns Hopkins University
Liang-Yu Pang, The Johns Hopkins University
Emma Spikol, The Johns Hopkins University
James Thierer, The Johns Hopkins University
Han Xiao, The Johns Hopkins University

Supporting Staff

Jared Akers, Research Technician
Myriam Alexander-Kearns – Communications and Administrative Coordinator
Ajaykarthik Ananthakrishnan- Fish Facility Technician
Jen Anderson, Research Scientist
Julia Baer, Aquatic Facilities Manager
Sonya Bajwa, Business Manager
Theo Bates, JHU Undergraduate Student
Victoria Bonefont, Summer Student
Valerie Butler, Carnegie Science Outreach Coordinator
Patricia Cammon, Glasswear Assistant
Elquis Castillo, Fish Technician
Jean-Michael Chanchu, Research Technician
Stanley Chu, Fish Technician
Ted Cooper, Facilities Assistant
Aiden Danoff, Animal Technician
Carol Davenport, HHMI Research Technician III
Svetlana Deryusheva, Research Scientist
Daphne DeShields, Assistant Controller
Eugenia Dikovsky, Animal Facility Manager
Brandie Dobson, Accounting Specialist
Marcia Edwards, Administrative Coordinator
Mehran Esteghamat-Rad, Animal Technician
Lauren Gilmer, Human Resources and Administrative Assistant
Jacob Griffin, Fish Facility Technician
Rebecca Grubsy, JHU Undergraduate Student
Jeremy Hayes, Mac Support Specialist
Monica Hensley, Research Technician
Ed Hirschmugl, Information Systems Manager
Lynne Hugendubler, Research Technician
Casey Hussey, Research Technician
Maria Jaime, Research Scientist
Terrone Jasper, Outreach Educator
Connie Jewell, Information Systems Administrator
Johnson, Johnnie, Fish Facility Technician
Glenese Johnson, Glasswear Assistant
Rejeanee Juste, Research Technician
Robert Levis, Special Investigator
Taeki Kim, JHU Undergraduate Student
Sammasia King, Administrative Coordinator
Urmi Kumar, JHU Summer Student
Nhan Le, Poly Ingenuity Student
Ashley Li, Fish Technician
Yu An (Leon) Lin, Research Technician
Katelyn Macholl, Fish Technician
Michelle Macurak, Research Technician
Ona Martin, Research Technician
Daniel Martinez, Laboratory Technician
Navid Marvi, Communications Coordinator
Pedram Nozari, Animal Technician
Rebecca Obniski, Research Scientist
Darrren Paris- JHU Summer Student
Allison Pinder, HHMI Research Technician III
Christine Pratt, HHMI Administrative Coordinator
Wilber Ramos, Animal Technician
Devance Reed, Facilities Assistant
Andrew Rock, Animal Technician
Samantha Satchell, Research Technician
Michael Sepanski, Electron Microscopy Technician
Maggie Shen, Research Technician
Mahmud Siddiqi, Microscope Specialist
Kevin Smolenski, Chief Facilities Engineer
Fred Tan, Bioinformatics Staff Scientist
Elizabeth Tisch, JHU Summer Student
Allen Tsai, Fish Facility Technician
Carmen Tull, Animal Technician
Robert Vary, Carnegie Science Outreach Educator
Rick Veader, IT Systems Administrator
Maxwell Veiga, JHU Summer Student
Michael Vidal, Fish Technician
Semen Vlasov, Animal Technician
Dianne Williams, HHMI Research Technician III
Zheng-an Wu, Special Investigator
Xiaobin Zheng, Research Scientist

**Visiting Investigators and Collaborators**

Harry Goldberg, Visiting Scientist, Department of Biomedical Engineering, Johns Hopkins School of Medicine

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1 From November 1, 2018
2 To September 28, 2018
3 From May 20, 2019
4 To August 1, 2018
5 To October 22, 2018
6 From March 2, 2019
7 From February 15, 2019
8 To August 13, 2018
9 To January 16, 2019
10 From July 13, 2018
11 To February 26, 2018
12 From July 12, 2018 To December 31, 2019
13 To August 31, 2018
14 From December 3, 2018
15 From January 2, 2019
16 From September 1, 2018
17 From January 14, 2019
18 To September 12, 2018
19 From June 4, 2019
20 From May 3, 2019
21 From August 1, 2018
22 From July 9, 2018 to August 15, 2018
23 To May 31, 2019
24 To January 11, 2019
25 From May 20, 2019
26 From June 4, 2019
27 From March 8, 2019
28 To February 20, 2018
29 From January 15, 2019
30 To August 15, 2018
31 From April 26, 2019
32 From June 26, 2019
33 Title change to Procurement Specialist, from March 1, 2019
34 From May 14, 2019
35 From June 24, 2019
36 To September 21, 2018
37 From April 8, 2019
38 From November 19, 2018
39 Title change from September 18, 2018
40 From May 29, 2019
41 To May 25, 2019
42 From May 28, 2019
43 From October 30, 2018
To April 1, 2019
From November 8, 2019
From May 29, 2019
Title change from June 1, 2019
From March 18, 2018
2018-2019 Yearbook - GL Personnel Section

Staff Scientists
George D. Cody
Ronald E. Cohen
Yingwei Fei
Alexander F. Goncharov
Robert M. Hazen
Ho-kwang Mao\(^1\)
Bjørn O. Mysen
Douglas Rumble III
Anat Shahar
Andrew Steele
Timothy A. Strobel
Viktor V. Struzhkin
Sally Tracy\(^2\)
Michael Walter, Director

Research Scientists
Reinhard Boehler\(^3\)
Pamela Conrad
Dionysis Foustakos
Zackary Geballe
Amol Karandikar
Shaunna Morrison
Craig Schiffries
Maddury Somayazulu\(^4\)

High Pressure Collaborative Access Team (HPCAT)
Arunkumar S. Bommannavar, Beamline Control Scientist, HPCAT\(^5\)
Paul Warden, Beamline Scientist, HPCAT\(^6\)
Rick Ferry, Beamline Associate\(^7\)
Freda Humble, Project Administrator, HPCAT\(^8\)
Rostislav Hrubiak, Research Scientists, HPCAT\(^9\)
Cheng Ji, Postdoctoral Associate, HPCAT\(^10\)

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\(^1\) To December 31, 2018
\(^2\) From January 7, 2019
\(^3\) To December 31, 2018
\(^4\) To July 31, 2018
\(^5\) To July 15, 2018
\(^6\) To July 15, 2018
\(^7\) To July 15, 2018
\(^8\) To July 15, 2018
\(^9\) To July 15, 2018
\(^10\) To July 15, 2018
Curtis Kenney-Benson, Beamline Associate, HPCAT
Yue Meng, Beamline Scientist, HPCAT
Changyong Park, Beamline Scientist, HPCAT
Dmitry Popov, Beamline Scientist, HPCAT
Eric Rod, Beamline Technician, HPCAT
Guoyin Shen, Director, HPCAT
Yu Shu, Postdoctoral Associate, HPCAT
Stanislav Sinogeikin, Associate Director, HPCAT
Jesse Smith, Associate Beamline Scientist, HPCAT
Yuming Xiao, Beamline Scientist, HPCAT
Jianjun Ying, Postdoctoral Associate, HPCAT

Postdoctoral Fellows and Postdoctoral Associates
Venkata Srinu Bhadram, Postdoctoral Associate, EFree
Gustav Borstad, Postdoctoral Associate, DARPA
Asmaa Boujibar, Postdoctoral Associate
Joy Buongiorno, Postdoctoral Associate
Irina Chuvashova, Postdoctoral Associate
Stephen Elardo, Postdoctoral Associate, NSF
Teresa Fornaro, Carnegie Fellow
Oliver Gagné, Postdoctoral Associate
Michael Guerette, Postdoctoral Associate, EFree
Yanhao Lin, Postdoctoral Associate
Amanda Lindoo, Postdoctoral Associate, NASA
Chao Liu, Postdoctoral Associate, Keck Foundation
Hanyu Liu, Postdoctoral Associate, EFree
Peng Ni, Carnegie Fellow
Dhiren Pradhan, Postdoctoral Associate, ONR

11 To July 15, 2018
12 To July 15, 2018
13 To July 15, 2018
14 To July 15, 2018
15 To July 15, 2018
16 To July 15, 2018
17 To July 15, 2018
18 To July 15, 2018
19 To July 15, 2018
20 To July 14, 2018
21 To July 30, 2018
22 To September 14, 2018
23 From January 7, 2019
24 From August 6, 2018
25 To August 15, 2018
26 To August 15, 2018
27 From September 19, 2018
28 To March 22, 2019
Md. Mijanur Rahaman, *Postdoctoral Associate, ONR*
Simone Runyon, *Postdoctoral Associate, Keck Foundation and Sloan Foundation* 29
Thomas Shiell, *Postdoctoral Associate* 30
Svetlana Shkolyar, *Carnegie Fellow* 31
Edgar Steenstra, *Postdoctoral Associate* 32
Yu Shu, *Postdoctoral Associate, HPCAT-NNSA*
Wan Si Tang, *Postdoctoral Associate, ARMY*
Qianqian Wang, *Postdoctoral Associate, DARPA* 33
Lin Wang, *Carnegie Fellow* 34
Matthew Ward, *Postdoctoral Associate, DARPA* 35
Liza Warden, *Postdoctoral Associate* 36
Jing Yang, *Postdoctoral Associate, NSF-Geophysics*
Shuang Zhang, *Postdoctoral Associate*
Li Zhu, *Postdoctoral Associate, DARPA*

**Support Staff**

Alycia Alexander, *Digital Communications and Events Coordinator* 37
Maceo T. Bacote, *Building Engineer*
Tyler Bartholomew, *Instrument Maker* 38
Gary A. Bors, *Facility Manager*
Emma Bullock, *Microbeam Specialist*
Mary Ferranti, *Library Technical Specialist/Digital Asset Curator*
Dyanne Furtado, *Staff Accountant*
Paul Goldey, *Electronics/Microbeam Specialist* 39
Shaun J. Hardy, *Librarian*
Michelle Hoon-Starr, *DCO Program Assistant*
William (Bill) E. Key, *Building Engineer*
Joseph Lai, *Instrumentation Engineer*
Jeff Lightfield, *Controller*
Victor Lugo, *Shop Foreman*
Andrea Mangum, *DCO Program Manager*
Jennifer Mays, *DCO Program Assistant*
Quintin Miller, *Building Engineer Apprentice*
Trong T. Nguyen, *Assistant Controller*

29 To August 21, 2018
30 From May 6, 2019
31 To January 30, 2019
32 From February 6, 2019
33 To July 13, 2018
34 From September 28, 2018
35 To November 30, 2019
36 To August 24, 2018
37 From January 7, 2018
38 To May 15, 2019
39 To July 3, 2018
Daniel Nicholls, Systems Administrator/Laboratory Support Staff
Aline Niyonkuru, Assistant to the Director
Gefei Qian, IT/IS Administrator
Javier Rojas, Research Engineer
Michelle Scholtes, Digital Communication/Event Coordinator
Gabor Szilagyi, Information Systems Manager
Helen Venzon, Accounts Payable Specialist
Suzanne Vitale, Microbeam Specialist
Seth Wagner, Machine Shop Apprentice
Merri Wolf, Library Technical Assistant

2019 High School Summer Interns and Summer Scholars
Eli Harrison, Landon School
Ciara Jacobs, Stone Ridge School of the Sacred Heart
Janneke Kovoor, Winston Churchill High School
Sophia Economon, Florida Institute of Technology
Kristen Chiama, George Mason University
Isabella Lupini, George Mason University
Samantha Howell, Washington College
Randolph Rutledge, George Mason University
Alexander Skender, Rensselaer Polytechnic Institute

Visiting Investigators
Catharine Conley, NASA Ames
Hendershon James Cleaves II, Earth-Life Science Institute/Institute for Advanced Study
Austin Gion, University of Maryland
Piotr Guńka, Warsaw University of Technology
Shuqing Jiang, Institute of Solid-State Physics, PR China
Dr. Murray W. Hitzman, University College Dublin, Ireland
Yunxiu Li, Peking University, China
Mingguang Yao, Jilin University, China
Yuan Yin, Institute of Geochemistry at the Chinese Academy of Sciences, China

40 From April 29, 2019
41 To September 26, 2018
42 To October 26, 2018
43 To December, 2019
44 From September 1, 2018
45 From May 16, 2019
46 From March 1, 2019
47 From August 8, 2018
48 From October 29, 2018
49 To July 16, 2019
50 From January 2, 2019
Teerachote Pakornchote, Chulalongkorn University, Thailand\textsuperscript{51}
Feifei Pan, Reinsselaer Polytechnic Institute\textsuperscript{52}

\textsuperscript{51} To December 31, 2018
\textsuperscript{52} To August 31, 2018
Personnel 2017-2018  
July 1, 2018 to June 30, 2019

Department of Global Ecology

Research Staff Members
Gregory Asner, (to 2/28/19)
Joseph A. Berry, Acting Director
Kenneth Caldeira
Robin Martin, (to 1/11/19)
Anna Michalak

Visiting Investigators
Lee Anderegg, *National Oceanic and Atmospheric Administration*
James Askew, *University of Southern California*, (to 3/31/19)
Philip Brodrick, *Arizona State University*, (from 2/1/19)
Jaqueline Dowling, *California Institute of Technology*, (to 8/27/18)
Luis Fernandez, *Stanford University*
Nathan Lewis, *California Institute of Technology*
David Knapp, *Arizona State University*, (from 2/1/19)
Juan Moreno-Cruz, *University of Waterloo*, (from 9/1/18)
Bingwen Qiu, *Fuzhou University*, (from 10/1/18)
Dan Tong, *University of California, Irvine*, (from 5/22/19)
Mary Whelan, *NSF Fellow*

Graduate Students
Grayson Badgely, *Stanford University*, (to 6/1/19)
Tristan Ballard, *Stanford University*
Rachel Carlson, *Stanford University*, (to 7/1/19)
Jimena Diaz, *University of California, Berkeley*, (from 12/6/18)
Rachel Engstrand, *Stanford University*, (to 7/1/19)
Emily Francis, *Stanford University*
Elsa Ordway, *Stanford Wood Institute for the Environment*, (to 1/11/19)
Nina Randazzo, *Stanford University*
Eva Sinha, *Stanford University*, (to 1/18/19)

Pre/Postdoctoral Fellows and Associates
Enrico Antonini, *Postdoctoral Research Associate*, (from 3/18/19)
Christopher Balzotti, *Postdoctoral Research Associate*, (to 1/11/19)
Nienke Besbrugge, *Postdoctoral Research Associate*, (from 5/1/19)
Phil Broderick, *Postdoctoral Research Associate*, (to 1/11/19)
Patrick Brown, *Postdoctoral Research Associate*, (to 2/1/19)
Ovidiu Csillik, *Postdoctoral Research Associate*, (to 1/11/19)
Danny Cullenward, *Postdoctoral Research Associate*
Andrew Davies, *Postdoctoral Research Associate*, (to 1/11/19)
Frederick Draper, Postdoctoral Research Associate, (to 1/11/19)
Lei Duan, Predoctoral Research Associate, (from 9/4/18)
Yuanyuan Fang, Postdoctoral Research Associate, (to 11/9/18)
David Farnham, Postdoctoral Research Associate, (from 9/10/18)
Shawna Foo, Postdoctoral Research Associate, (to 1/11/19)
Clara Garcia-Sanchez, Postdoctoral Research Associate, (to 12/19/18)
Anna Goldstein, Postdoctoral Research Associate, (to 12/31/18)
Candice Henry, Postdoctoral Research Associate, (from 2/1/19)
Jennifer Johnson, Postdoctoral Research Associate
Ari Kornfeld, Senior Postdoctoral Research Associate, (to 5/31/19)
David Koweek, Postdoctoral Research Associate
Pramukta Kumar, Postdoctoral Research Associate, (to 1/11/19)
Jiwei Li, Postdoctoral Research Associate, (to 1/11/19)
Juan Moreno-Cruz, Postdoctoral Research Associate, (to 8/31/18)
Rebecca Peer, Postdoctoral Research Associate, (from 6/3/19)
Geeta Persad, Postdoctoral Research Associate
Anna Possner, Postdoctoral Research Associate, (to 11/30/18)
Manoela Romano de Orte, Postdoctoral Research Associate, (from 9/1/18)
Tyler Ruggles, Postdoctoral Research Associate, (from 6/10/19)
Yoichi Shiga, Postdoctoral Research Associate
Sinan Sousan, Postdoctoral Research Associate, (to 11/30/18)
Wu Sun, Postdoctoral Research Associate, (from 4/15/19)
Fan Tong, Postdoctoral Research Associate, (to 1/30/19)
Mengyao Yuan, Postdoctoral Research Associate, (to 5/30/19)
Yixuan Zheng, Postdoctoral Research Associate, (from 8/27/18)

Interns / Volunteers
Zihan Chen, 2018 Intern
Emily Francis, 2018 Intern
Emmie LeRoy, 2019 Intern
Flor Maciel, 2018 Intern
Neosha Narayanan, 2018 Intern

Supporting Staff
Jessamy Barker, Executive Administrator, (to 7/2/18)
Heather D'Angelo, Project Manager, (to 1/11/19)
Nicholas Fabina, Research Associate, (to 1/11/19)
William Hayes, Scientific Computer Programmer
Joseph Heckler, CAO Mapping Technologist, (to 1/11/19)
David Knapp, Scientific Computer Programmer, (to 1/11/19)
Ari Kornfeld, Software Maintenance Assistant, (from 6/1/19)
Clare LeDuff, Research Facilitator/Operations Specialist, (to 2/28/19)
Michael Mastrandrea, Director Near Zero Project
Mae Qiu, Scientific Computer Programmer
Munish Sikka, Computational Data Processor, (to 10/1/18)
Catherine Spina, *Laboratory Technician*, (to 1/11/19)
Elizabeth Susskind, *Executive Administrator*, (from 9/13/18)
Nick Vaughn, *Head CAO Instrumentation & Data Processing*, (to 1/11/19)
Leslie Willoughby, *Science Writer*
YB18-19OBSPersonnel
July 1, 2018 – June 30, 2019

The Observatories

Staff Scientists
Andrew Benson
Rebecca Bernstein
Alan Dressler, Staff Member Emeritus
Juna Kollmeier
Nicholas Konidaris
Patrick McCarthy
Andrew McWilliam
John Mulchaey, Director
Andrew Newman
Augustus Oemler, Jr., Director Emeritus
Eric Persson, Staff Member Emeritus
Mark Phillips, Director Emeritus, Las Campanas Observatory
Anthony Piro
George Preston, Director Emeritus
Michael Rauch
Gwen Rudie
François Schweizer, Staff Member Emeritus
Stephen Shectman
Joshua Simon
Ian Thompson
Ray Weymann, Director Emeritus

Research Associates
Christopher Burns, Research Associate
Jeffrey Crane, Staff Associate
Dan Kelson, Staff Associate
Barry Madore, Senior Research Associate Emeritus

Postdoctoral Fellows and Associates
Louis Abramson, Carnegie-Princeton Fellow
Eduardo Bañados, Carnegie-Princeton Fellow
Pavaman Bilgi, Postdoctoral Fellow
Thomas Connor, Postdoctoral Research Associate
Thomas Cooper, Postdoctoral Fellow

1 Emeritus
2 Carnegie-Princeton Fellow
3 Carnegie-Princeton Fellow
4 Postdoctoral Fellow
5 Postdoctoral Fellow
Philip Cowperthwaite, *Hubble Fellow*²
Maria Drout, *Hubble Fellow*⁶
Xiaolong Du, *Postdoctoral Fellow*⁷
K. Decker French, *Hubble Fellow*
Ylva Goetberg, *Carnegie-Nashman Fellow*⁸
Terese Hansen, *Postdoctoral Research Associate*⁹
Thomas Holoien, *Carnegie Fellow*
Alexander Ji, *Hubble Fellow*
Alicia Lanz, *Carnegie Fellow*²
Rosalie McGurk, *Carnegie Fellow*
Stefano Pasetto, *Postdoctoral Research Associate*⁶
Shannon Patel, *Research Associate*
Nicole Relatores, *Research Assistant*¹⁰
Mark Seibert, *Senior Research Analyst*¹¹
Allison Strom, *Carnegie Fellow*
Johanna Teske, *Hubble Fellow*
Syed Ashraf Uddin, *Postdoctoral Fellow*¹²
Gregory Walth, *Postdoctoral Fellow*¹³

**Las Campanas Research Staff**
Leopoldo Lira Infante, *Director, Las Campanas Observatory*
David Osip, *Associate Director, Las Campanas Observatory*
Mark Phillips, *Director Emeritus, Las Campanas Observatory*

**Las Campanas Fellows and Associates**
Huan Yang, *Postdoctoral Fellow*¹⁴

**Las Campanas Resident Astronomer**
Nidia Morrell, *Resident Astronomer*

**Supporting Staff, Pasadena**
Leon Aslan, *Senior Opto-Mechanical Engineer*
Christoph Birk, *Data Acquisition Programmer*
Jerson Castillo, *Instrument Maker*
Erica Clark, *Strategic Initiative Coordinator*¹⁵
Paul Collison, *Computer Systems Manager*
Jorge Estrada, *Electronics Technician*
Beverly Fink, *Assistant to the Director*
Tyson Hare, *Mechanical Engineer*
Charles Hull, *Opto-Mechanical Engineer*
Earl Harris, *Shipping and Receiving Specialist*
Patricio Jones, *Electronics Engineer*
Sharon Kelly, *Senior Buyer*
Vincent Kowal, *Machine Shop Foreperson/Instrument Maker*
Becky Lynn, *Administrative Assistant*
Kristin Macklin, *Business Manager-Controller*
Greg Ortiz, *Assistant, Buildings and Grounds*
Luis Ochoa Ramirez, *Accounts Payable Specialist*
Solange Ramirez, *SDSS-V Project Manager*  
Jeffery Rich, *Outreach Coordinator*
Scott Rubel, *Facilities Manager*
Sung-Ri Sok, *Financial Accountant*
Robert Storts, *Instrument Maker*
Irina Strelnik, *Assistant Business Manager*
Gillian Tong, *Accounting Analyst*
Alan Uomoto, *Observatory Technical Manager*
Stefanie Wachter, *SDSS-V Lead Systems Engineer*  
Sarah Whitten, *Library/Archivist Intern*

**Supporting Staff, Las Campanas**
Gustavo Miriel Abarca, *Magellan Maintenance Support*
Ricardo Alcayaga, *Mechanic*
Hernán Ángel, *Driver/Purchaser*
Nicolas Angel, *El Pino Guard*
Jorge Araya, *Magellan Telescope Operator*
Héctor Balbontin, *Chef*
Ivan Barraza, *El Pino Guard*
Yuri Beletsky, *Service Observing Support Scientist*  
Roberto Bermúdez, *Administrative Assistant*
Felipe Pimentel Besser, *Operations Engineer (SDSS-V)*  
Guillermo Mendiberri Blanc, *Staff Associate Astronomer*
Andres Borquez, *Chef*
Konstantina Boutsia, *Magellan Instrument Scientist*
Jorge Bravo, *Magellan Instrument Specialist*
Daniel Mella Briones, *Human Resource Manager*  
Alfredo Calderon, *Janitor*
Juan-Carlos Carrasco, *Driver/Purchaser*
Pedro Carrizo, *Plumber*
Jilberto Carvajal, *Purchasing Assistant*
Sergio Castellon, *Night Assistant*
Emilio Cerda, *Magellan Electronics Engineer*
Andres Condore, *Electrician*
José Cortés, *Janitor*
Fernando Virgilio Camilo Corvetto, *Janitor*
Francisco Di Mille, *Technical Manager*
Oscar Duhalde, *Mechanical Technician*
Juan Espoz, *Mechanic*
Juan N. Espoz, *Electronics Engineer*
Carlos Flanega, *Janitor*
Juan Gallardo, *Mechanical Engineer*
Jaime Gómez, *Accounting Assistant*
Danilo González, *Magellan Maintenance Support*
Consuelo González, *Telescope Assistant*
Luis González, *Janitor*
Erwin Guerra, *Carpenter*
Javier Gutiérrez, *Mechanical Technician Assistant*
Nelson Ibacache, *Mechanical Assistant*
Ester Cortez Nelda Jucia, *Purchasing Officer*
Luis Letelier, *El Pino Guard - same as Jorge*
Eduardo Lizardi, *Administrative Assistant*
Angelica Leon, *Magellan Telescope Operator*
Mauricio Martinez, *Magellan Telescope Operator*
Jonathan Medalla, *Accountant*
Miguel Méndez, *Mechanical Technician*
Víctor Meriño, *Magellan Instrument Specialist*
Javier Mery, *Electrician*
Manuel Millar, *Maintenance Support*
Eric Muñoz, *Accountant*
Silvia Muñoz, *Business Manager*
Mauricio Navarrete, *Magellan Instrument Specialist*
Hernán Nuñez, *Magellan Telescope Operator*
Miguel Ocaranza, *Administrative Assistant*
Herman Olivares, *Night Assistant*
Jorge Olivares, *Mechanic*
Povilas Palunas, *Telescope Scientist*
Alberto Pastén, *Magellan Telescope Operator*
Patricio Pinto, *Electronics Engineer*
Galie Encina Perla Pommer, *Administrative Assistant*
Félix Quiroz, *Mechanical Technician*
Javiera Rey, *Communications and Extension Manager*
Andres Rivera, *Electronics Engineer*
Hugo Rivera, *Magellan Telescope Operator*
Armando Rodriguez, *Janitor*
Marcelo Rodriguez, *Supervisor of Mountain Maintenance*
Herman Rojas, *Web Page Specialist*
Jorge Rojas, *Janitor*
Mauricio Rojas, *Janitor*
Felipe Sánchez, *Telescope Controls Operator*
Pedro Tirado, *Carpenter*
Manuel Traslaviña, *Heavy Equipment Operator*
Reinaldo Vega, *El Pino Guard*
Edgar Veléz, *Mechanic*
Sergio Veléz, *Supervisor of Mountain General Services*
Michael Dubó Vicencio, *Programmer*
David Verdugo, *Chef*
Emilio Weinberger, *Mechanical Engineer*
Jose Zamora, *Chef*
Lionel Zumaran, *System Manager*

**Visiting Investigators**
Erin Aadland, *Lowell Observatory*
Gustavo Aguayo, *Universidad de Concepción, Chile*
Claudia Aguilera, *Universidad Andrés Bello, Chile*
Romina Ahumada, *Universidad Andrés Bello, Chile*
Munazza Alam, *Harvard University*
Julio Albornoz, *Universidad de Chile*
Andres Almeida, *Universidad de La Serena, Chile*
Ricardo Amorín, *Universidad de La Serena, Chile*
Jorge Anais, *University of Antofagasta, Chile*
Jennifer Andrews, *The University of Arizona*
Rodolfo Angeloni, *Universidad de La Serena, Chile*
Timo Anguita, *Massachusetts Institute of Technology*
Catalina Arcos, *Universidad de Valparaíso, Chile*
Christopher Ashall, *Florida State University*
Tri Astraatmadja, *Department of Terrestrial Magnetism, CIW*
Jeb Bailey, *University of Michigan*
Gaspar Bakos, *Princeton University*
Mislav Balokovic, *Harvard University*
Rodolfo Barba, *Universidad de La Serena, Chile*
Manuel Barrientos, *Pontificia Universidad Católica de Chile*
Matthew Bayliss, Massachusetts Institute of Technology
Juan Beamin, Universidad de Valparaiso, Chile
Michelle Berg, University of Notre Dame
Patricia Bessiere, Pontificia Universidad Católica de Chile
India Bhalla-Ladd, Yale University
Alex Bixel, The University of Arizona
Lindsey Bleem, The University of Chicago
Erin Boettcher, The University of Chicago
Amanda Bosh, Massachusetts Institute of Technology
Antonin Bouchez, Giant Magellan Telescope Organization
Rory Bowens, University of Michigan
Rafael Brahm, Pontificia Universidad Católica de Chile
Sasha Brownsberger, Harvard University
Jennifer Burt, Massachusetts Institute of Technology
Paul Butler, Department of Terrestrial Magnetism, CIW
Fuyan Byan, European Southern Observatory
Claudio Caceres, Universidad Andrés Bello, Chile
Madelyn Cain, Massachusetts Institute of Technology
Abdo Campillay, University of California, Santa Cruz
Scott Carlsten, Princeton University
Rosamaria Carraro, Universidad de Valparaiso, Chile
Pierluigi Cerulo, Universidad de Concepción, Chile
Ping Chen, Peking University, China
Hsiao-Wen Chen, The University of Chicago
Mandy Chen, The University of Chicago
Igor Chilingarian, Harvard-Smithsonian, CfA
Anirudh Chiti, Massachusetts Institute of Technology
Judy Cohen, California Institute of Technology
Andrew Cole, University of Tasmania, Australia
Enrico Congiu, University of Padova, Italy
Thomas Cooper, Massachusetts Institute of Technology
Felipe Corro, Pontificia Universidad Católica de Valparaíso, Chile
Pia Cortes, Universidad de Chile
Edgardo Costa, Universidad de Chile
Hannah Crayton, University of Alaska Anchorage
Linnea Dahmen, Pomona College
Guillermo Damke, University of Virginia
Ricardo Demarco, Universidad de Concepción, Chile
Mark Derwent, The Ohio State University
Tiara Diamond, National Aeronautics and Space Administration
Hanna Diamond-Lowe, Harvard University
Matias Diaz, Universidad de Chile
Victoria Ditomasso, Department of Terrestrial Magnetism, CIW
Jason Dittmann, Massachusetts Institute of Technology
Diana Dragomir, Massachusetts Institute of Technology
Andrea Dupree, Smithsonian Astrophysical Observatory
Eiichi Egami, The University of Arizona
Michael Engleman, The Ohio State University
Taran Esplin, The University of Arizona
Rana Ezzeddine, Massachusetts Institute of Technology
Jackie Faherty, American Museum of Natural History
Xiao Fan, The University of Arizona
Xiaohui Fan, The University of Arizona
Ryan Farber, University of Michigan
Adina Feinstein, The University of Chicago
Anja Feldmeier, The University of Chicago
Diego Fernandez, Universidad de La Serena, Chile
Gabriel Ferrero, Instituto de Astrofísica de La Plata, Argentina
Jonathan Fertil, Pontificia Universidad Católica de Chile
Jennifer Fienco, Pontificia Universidad Católica de Chile
Veronica Firpo, Universidad de La Serena, Chile
Travis Fischer, Massachusetts Institute of Technology
Erin Flowers, Princeton University
Adi Foord, University of Michigan
Wendy Freedman, The University of Chicago
Heinz Frelijj, Universidad de Concepción, Chile
Danielle Frostig, Massachusetts Institute of Technology
Carla Fuentes, Universidad de Concepción, Chile
Jhon Galarza, Universidade de São Paulo, Brazil
Juan Garces, Universidad de Concepción, Chile
Tyler Gardner, University of Michigan
Bartosz Gauza, Universidad de Chile
Doug Geisler, Universidad de Concepción, Chile
Mike Gladders, The University of Chicago
Matias Gomez, Universidad Andrés Bello, Chile
Eileen Gonzalez, Department of Terrestrial Magnetism, CIW
Danilo Gonzalez, University Católica del Norte, Chile
Valentino Gonzalez, Universidad de Chile
Paul Goudfrooij, Space Telescope Science Institute
Jenny Greene, Princeton University
Mariusz Gromadzki, University of Warsaw, Poland
Anshu Gupta, University of New South Wales, Australia
Arvind Gupta, University of Virginia
Steven Hale, University of Birmingham, United Kingdom
Magdalena Hamel, Universidad de Chile
Dylan Hatt, The University of Chicago
Keith Hawkins, The University of Texas at Austin
Maren Hempel, Pontificia Universidad Católica de Chile
Francisco Holguin, University of Michigan
Erika Holmbeck, University of Notre Dame
Griffin Hosseinzadeh, Harvard University
Chris Howk, University of Notre Dame
Eric Hsiao, Florida State University
Weida Hu, University of Science and Technology of China
Allison Hughes, The University of Arizona
Minhee Hyun, Seoul National University, Korea
Eduardo Ibar, Universidad de Valparaiso, Chile
Daniela Iglesias, Universidad de Valparaiso, Chile
Patryk Iwanek, University of Warsaw, Poland
George Jacoby, Lowell Observatory
Paula Jofre, Universidad Diego Portales, Chile
Sean Johnson, The University of Chicago
Andres Jordan, Pontificia Universidad Católica de Chile
Colby Jurgenson, The Ohio State University
Glenn Kacprzak, Swinburne University of Technology, Australia
Erin Kadofong, Princeton University
Devika Kamath, Macquarie University, Australia
Jan Kanski, Smithsonian Astrophysical Observatory
Lucie Khlat, Pontificia Universidad Católica de Chile
Gourav Khullar, The University of Chicago
Yongjung Kim, Seoul National University, Korea
James Kirk, Harvard University
Dana Koeppen, Michigan State University
Derek Kopon, Smithsonian Astrophysical Observatory
Sahana Kumar, Florida State University
Radostin Kurtev, Universidad de Valparaiso, Chile
Ivan Lacerna, Pontificia Universidad Católica de Chile
Lachlan Lancaster, Princeton University
Richard Lane, Pontificia Universidad Católica de Chile
James Lasker, The University of Chicago
Cassandra Lejoly, The University of Arizona
Stephen Levine, Massachusetts Institute of Technology
Geraint Lewis, University of Sydney, Australia
Wenxiong Li, Tsinghua University, China
Ting Li, The University of Chicago
Jiangtao Li, University of Michigan
Dongwook Lim, Yonsei University, Korea
Ciria Lima, Universidad de La Serena, Chile
Penelope Longa, University of Antofagasta, Chile
Ilaria Lonoce, The University of Chicago
Sebastian Lopez, Universidad de Chile
Bethany Ludwing, University of Toronto, Canada
Jianwei Lyu, The University of Arizona
Ramesh Mainali, The University of Arizona
Jesus Maiz, Astrobiology Center - CSIC-INTA, Spain
Jennifer Marshall, Texas A&M University
Pablo Martin, Universidad de La Serena, Chile
Clement Martinache, Universidad de Concepción, Chile
Philip Massey, Lowell Observatory
Mario Mateo, University of Michigan
Karina Mauco, Universidad Nacional Autónoma, Mexico
Erin May, University of Michigan
Chiara Mazzucchelli, Max-Planck-Institut Für Astronomie, Germany
Michael McDonald, Massachusetts Institute of Technology
Rebecca McElroy, Max-Planck-Institut Für Astronomie, Germany
Chima McGruder, Harvard University
Brian McLeod, Harvard-Smithsonian, CfA
Gustavo Medina, University of Heidelberg, Germany
Nicolas Medina, Universidad de Valparaiso, Chile
Carl Melis, University of California, San Diego
Hugo Mendez, Universidad de Valparaiso, Chile
Brian Merino, San Francisco State University
Danny Milisavljevic, Purdue University
Lorenzo Monaco, Universidad Andrés Bello, Chile
Christian Moni, University Católica del Norte, Chile
Matias Montesinos, Universidad de Valparaiso, Chile
Catalina Mora, Universidad de La Serena, Chile
Takahiro Morishita, Space Telescope Science Institute
Alexander Moskowitz, Carnegie Mellon University
Przemek Mroz, University of Warsaw, Poland
Nahir Muñoz, Universidad de La Serena, Chile
Burcin Mutlu, The University of Arizona
Katie Napier, University of Michigan
Erica Nelson, Harvard University
Nikole Nielsen, Swinburne University of Technology, Australia
Fatemeh Nikzat, Pontificia Universidad Católica de Chile
Christian Nitschelm, University of Antofagasta, Chile
Julia O'Connell, Universidad de Concepción, Chile
Anna O'Grady, University of Toronto, Canada
Will Oldroyd, Northern Arizona University
Julio Olivares, Pontificia Universidad Católica de Chile
Edward Olszewski, The University of Arizona
Kaike Pan, Apache Point Observatory
Blake Pantoja, Universidad de Chile
Aastha Parikh, University of Amsterdam, The Netherlands
Dan Patnaude, Smithsonian Astrophysical Observatory
Anna Payne, University of Hawaii
Karla Peña, University of Antofagasta, Chile
Victoria Perez, Universidad de Chile
Priscila Pessi, Instituto de Astrofísica de La Plata, Argentina
Pawel Pietrukowicz, University of Warsaw, Poland
Radoslaw Poleski, University of Warsaw, Poland
Mark Popinchalk, American Museum of Natural History
Jose Prieto, Universidad Diego Portales, Chile
David Principe, Massachusetts Institute of Technology
Thomas Puzia, Pontificia Universidad Católica de Chile
Jonathan Quirola, Harvard University
Alessandro Razza, Universidad de Chile
Travis Rector, University of Alaska Anchorage
Megan Reiter, University of Michigan
Juan Remolina, University of Michigan
Sunny Rhoades, Pomona College
Federica Ricci, Pontificia Universidad Católica de Chile
Claudio Ricci, Universidad Diego Portales, Chile
Federica Ricci, Harvard University
Jane Rigby, National Aeronautics and Space Administration
Ian Roederer, University of Michigan
Alejandra Rojas, Universidad Andrés Bello, Chile
Cesar Rojas, University of California, Santa Cruz
Alvaro Rojas, Pontificia Universidad Católica de Chile
Maria Ronco, Universidad de Valparaiso, Chile
Yu Rong, Pontificia Universidad Católica de Chile
Samuel Ropert, Pontificia Universidad Católica de Chile
Ferenc Rozsa, Hungarian Astronomical Association, Hungary
Krzysztof Rybicki, University of Warsaw, Poland
Alessandro Savino, Liverpool John Moores University, United Kingdom
Paul Schechter, Massachusetts Institute of Technology
Scott Sheppard, Department of Terrestrial Magnetism, CIW
Avi Shporer, Massachusetts Institute of Technology
Cristobal Sifon, Princeton University
Jan Skowron, University of Warsaw, Poland
Michael Skrutskie, The University of Arizona
Renske Smit, University of Cambridge, United Kingdom
Nathan Smith, The University of Arizona
T. Somboonpanyakul, Massachusetts Institute of Technology
Yingyi Song, University of Michigan
Jose Soto, Giant Magellan Telescope Organization
Piera Soto, Universidad de La Serena, Chile
Daniel Stark, The University of Arizona
Antony Stark, Harvard University
Stephanie Striegel, San José State University
Christopher Stubbs, Harvard University
Vincent Suc, Pontificia Universidad Católica de Chile
Michal Szymanski, University of Warsaw, Poland
Thanawuth Tanathibodee, University of Michigan
Baytian Tang, Sun Yat-sen University, China
Mengtao Tang, The University of Arizona
Dimitrios Tanoglidis, The University of Chicago
Nicolas Tejos, Pontificia Universidad Católica de Valparaiso, Chile
Yuan-Sen Ting, National Aeronautics and Space Administration
I Ting, Max-Planck-Institut Für Astronomie, Germany
Chris Tinney, University of New South Wales, Australia
Chad Trujillo, Northern Arizona University
Juan Trujillo, University of Washington
Marcelo Tucci, Universidad Diego Portales, Chile
Krzysztof Ułaczyk, University of Warsaw, Poland
Natalie Ulloa, Universidad de La Serena, Chile
Murat Uzunbag, Universidad de Valparaiso, Chile
Jaime Vargas, Universidad de La Serena, Chile
Maximiliano Vega, Universidad de Chile
Pablo Vera, Universidad de La Serena, Chile
Kathy Vivas, Cerro Tololo Inter-American Observatory, Chile
Karina Voggel, The University of Arizona
Saeqa Vrtilek, Harvard University
Kevin Wagner, The University of Arizona
Mathew Walker, Carnegie Mellon University
Yibo Wang, University of Science and Technology of China
Ian Weaber, Harvard University
Kathryn Weil, Dartmouth College
Alycia Weinberger, Department of Terrestrial Magnetism, CIW
Rudy Wijnands, University of Amsterdam, The Netherlands
Janel Williams, Wellesley College
Mark Wilson, University of Toronto, Canada
Ian Wong, Massachusetts Institute of Technology
Xuebing Wu, Peking University, China
Yu Xiaodi, Xiamen University, China
Haojing Yan, Universidad de Chile
Huan Yang, University of Guelph, Canada
Jinyi Yang, The University of Arizona
Minghao Yue, The University of Arizona
Fakhri Zahedy, The University of Chicago
Catalina Zamora, Universidad de Valparaiso, Chile
Dennis Zaritsky, The University of Arizona
Huanian Zhang, The University of Arizona
George Zhou, Harvard-Smithsonian, CfA

1 To December 31, 2018, Retired
2 From September 1, 2018
3 To December 31, 2018
4 From May 10, 2019
5 From September 17, 2018
6 To August 31, 2018
7 From October 22, 2018
8 From January 14, 2019
9 To November 15, 2018
10 To June 19, 2019
11 To July 31, 2018
12 From August 28, 2018
13 From October 1, 2018
14 From September 1, 2017 to May 31, 2019, not previously reported
15 From July 1, 2018
16 From July 3, 2018
17 From August 2, 2018
18 From January 1, 2019, formerly Magellan Instrument Support Scientist
Personnel 2018-2019
July 1, 2018 to June 30, 2019

Department of Plant Biology

Research Staff Members
M. Kathryn Barton, (to 10/31/18)
Winslow R. Briggs, Director Emeritus, (to 2/11/19)
David Ehrhardt
Arthur R. Grossman
Seung Y. Rhee
Shouling Xu, Director of Proteomics Facility
Zhi-Yong Wang, Acting Director

Adjunct Staff
Devaki Bhaya
Matthew Evans

Senior Investigator
Theodore Raab

Visiting Investigators
Roberto Bogomolni, University of California, Santa Cruz
Jennifer Brophy, Stanford University, (from 6/1/19)
Yan Cai, Changzhou University, (to 9/14/18)
Nancy Chang, Stanford University, (from 4/19/19)
Cesar Cuevas-Velazquez, Stanford University, (from 7/1/18)
Alexandra Jazz Dickinson, Stanford University, (from 7/1/18)
Jose Dinneny, Stanford University, (from 7/1/18)
Lina Duan, Stanford University, (from 7/1/18)
Therese LaRue, Stanford University, (from 7/1/18)
Devin O’Connor, Cambridge University, UK, (to 12/31/18)
Carin Ragland, Stanford University, (from 7/1/18)
Yue Rui, Stanford University, (from 7/1/18)
Wutisisak Sarikhit, Chulalongkorn University, Thailand (from 2/11/19)
Emanuel Sanz Luque, University of Cordoba
Johannes Scharwies, Stanford University, (from 7/1/18)
Kevin Shih, Stanford University, (from 7/1/18)
Ying Sun, Stanford University, (from 7/1/18)
Frej Tulin, Technical University of Munich
Josep Vilarrasa-Blasi, Stanford University, (from 7/1/18)
Wenfei Wang, Fujian Agriculture & Forestry University, China, (from 1/3/19)
Hui Yang, Lanzhou University, China, (from 3/25/19)
Xuelian Yang, Fujian Agriculture & Forestry University, China

Graduate Students
Yanniv Dorone, Stanford University
Deze Kong, Stanford University, (from 1/15/19)
Jacob Moe-Lange, Stanford University
Sean O’Connor, Stanford University, (from 2/28/19)
Lizzie Paulus, Stanford University, (from 3/22/19)

Postdoctoral Fellows and Associates
Nienke Besbrugge, Postdoctoral Research Associate, (to 4/30/19)
Kanako Bessho-Uehara, Postdoctoral Research Associate
Yang Bi, Postdoctoral Research Associate, (from 7/30/18)
Navadeep Boruah, Postdoctoral Research Associate, (from 10/23/18)
Flavia Bossi, Senior Research Associate
Jennifer Brophy, Postdoctoral Research Associate, (to 5/31/19)
Antony Chettoor, Postdoctoral Research Associate (to 4/25/19)
Sophie Clowez, Postdoctoral Research Associate
Moises Exposito-Alonso, Postdoctoral Research Associate, (from 6/17/19)
Justin Findinier, Postdoctoral Research Associate, (from 1/7/19)
Veder Garcia, Postdoctoral Research Associate
Yu-chun Hsiao, Postdoctoral Research Associate
Chuan-Chih Hsu, Postdoctoral Research Associate
Weichao Huang, Postdoctoral Research Associate
Suryatapa Jha, Postdoctoral Research Associate, (from 9/10/18)
Haojie Jin, Postdoctoral Research Associate, (to 4/25/19)
Rick Kim, Postdoctoral Research Associate, (from 2/1/19)
Tae-Wuk Kim, Postdoctoral Research Associate
Fan Lin, Postdoctoral Research Associate
Jelmer Lindeboom, Postdoctoral Research Associate
Tie Liu, Postdoctoral Research Associate, (to 8/31/18)
Yongxian Lu, Postdoctoral Research Associate
Heather Meyer, Postdoctoral Research Associate
Chan-Ho Park, Postdoctoral Research Associate
Karine Prado, Postdoctoral Research Associate, (from 10/1/18)
Petra Redekop, Postdoctoral Research Associate, (from 3/25/19)
Shai Saroussi, Senior Postdoctoral Research Associate
Tong-Seung Tseng, Postdoctoral Research Associate
Tamara Vellosillo-Armengol, Postdoctoral Research Associate
Renate Weizbauer, Postdoctoral Research Associate
Jiun Yen, Postdoctoral Research Associate
TingTing Xiang, Postdoctoral Research Associate
Zhengzhen Zhang, Postdoctoral Research Associate
Cheng Zhao, Postdoctoral Research Associate, (from 8/6/18)
Kangmei Zhao, Postdoctoral Research Associate
Jiaying Zhu, Postdoctoral Research Associate

Interns / Volunteers
Ankush Bharadwaj, 2018 Intern
Clement Bouden, 2019 Intern
Sofia Bustamante, 2018 Intern
Erika Frydrych-Capelari, 2018 Intern
Elizabeth Duan, 2019 Intern
Danika Ferguson, 2019 Intern
Rachel Gates, 2018 Intern
Maia Granoski, 2019 Intern
David Hoang, 2019 Intern
Miley Hu, 2018 Intern
Inderpreet Kaur, 2019 Intern
Queenie Lam, 2019 Intern
Suhyun Lee, 2019 Intern
Kevin Li, 2018 Intern
Ju Yu Lin, 2019 Intern
Amanda Lutje, Volunteer
Febe Martinez, 2018 Intern
Bharti Parihar, 2018 Intern
Elijah Saltzman, 2018 Intern
Kriti Shukla, 2019 Intern
Sola Takahashi, 2019 Intern
Ethan Trans, 2019 Intern
Galyna Vakulenko, 2018 Intern
Matthew Webb, 2018/2019 Intern

Supporting Staff
Danbi Byun, Research Assistant, (from 1/3/19)
Lance Cabalona, Greenhouse Manager, (to 3/13/19)
Maria Canfield, Accounts Payable Specialist
Heather Cartwright, Core Imaging Director, (to 5/20/19)
Diane Chermak, Environmental Health & Safety Manager
Susan Cortinas, Grants Administrator
Emily Fryer, Research Assistant, (from 3/18/19)
Efren Gonzalez, Research Assistant, (from 1/7/19)
Charles Hawkins, Biocurator, (from 8/20/18)
Ngoc Ho, Grants Manager
Samuel Hokin, Senior Computational Scientist
Su Hong, Research Assistant, (from 2/11/19)
Garret Huntress, IS Manager
Benjamin Jin, Laboratory Assistant
Rajnish Khanna, Outreach Coordinator
Jessie Kim, Assistant Business Manager/Controller
Evana Lee, Financial Analyst
Maria Lopez, IT Support Specialist
Makenzie Machado, Laboratory Technician
Katie Magallon, Laboratory Technician, (to 3/29/19)
Giancarlo Materassi-Shultz, Growth Facilities Manager
Hye-In Nam, Laboratory Technician, (to 5/31/19)
Kevin Radja, Bioinformatics Research Assistant (from 6/12/18)
Kacie Ring, Laboratory Assistant (to 8/17/18)
Ankit Srinivas, Laboratory Assistant (to 10/12/18)
Katherine Stevenson, Administrative Assistant
Terri Tippets, Executive Administrator
M. Clare Tuma, Human Resources Business Partner
Hannah Vahldick, Technician, (to 6/28/19)
Theodore van de Sande, Operations Manager
Anjelica Vazquez, Maintenance Associate/Dishwasher
Ismael Villa, Facilities Assistant
Faatuai Williams, Accounts Payable Specialist, (to 5/1/19)
Naoia Williams, Accounts Payable Clerk/Purchasing Agent
Angela Xu, Research Assistant
Bo Xue, Laboratory Technician
Peifen Zhang, Director of Plant Metabolic Network, (to 7/17/18)
Terrestrial Magnetism

Research Staff Members
Conel M. O’D. Alexander
Alan P. Boss
R. Paul Butler
Richard W. Carlson, Director
John E. Chambers
Peter E. Driscoll
Erik H. Hauri*
Hélène Le Mével
Alan T. Linde, Emeritus
Larry R. Nittler
Diana C. Roman
I. Selwyn Sacks, Emeritus
Scott S. Sheppard
Steven B. Shirey
Fouad Tera, Emeritus
Peter E. van Keken
Lara S. Wagner
Alycia J. Weinberger

Postdoctoral Fellows
Jessica Arnold, Postdoctoral Fellow, NASA
Tri Astraatmadja, Thompson Postdoctoral Fellow
Jaehan Bae, Rubin Postdoctoral Fellow
Anaïs Bardyn, Carnegie Postdoctoral Fellow¹
Elodie Brothelande, Carnegie Postdoctoral Fellow²
Fabo Feng, Carnegie Postdoctoral Fellow³
Jonathan Gagné, Sagan Postdoctoral Fellow⁴
Douglas Hemingway, Carnegie Postdoctoral Fellow⁵
Helen Janiszewski, Carnegie Postdoctoral Fellow
Timothy D. Jones, Carnegie Postdoctoral Fellow
Meredith A. MacGregor, NSF Postdoctoral Fellow
Kathleen F. McKee, NSF Postdoctoral Fellow
Megan Newcombe, Carnegie Postdoctoral Fellow⁶
Andrea Patzer, Postdoctoral Fellow, NASA⁷
Bradley Peters, *Carnegie Postdoctoral Fellow*  
Jesse Reimink, *Postdoctoral Fellow, NSF*  
My Riebe, *Postdoctoral Fellow, NASA*  
Kei Shimizu, *Postdoctoral Fellow, NASA*  
Shi (Joyce) Sim, *Postdoctoral Fellow, DCO*  
Nathan Sime, *Carnegie Postdoctoral Fellow*  
Jonathan Tucker, *Postdoctoral Fellow, NSF*  
Maximilien Verdier-Paoletti, *Postdoctoral Fellow, NASA*  
Sharon Wang, *Carnegie Postdoctoral Fellow*  

### Visiting Students and Collaborators

Emily Cahoon, Portland State University  
Lisa Crause, South African Astronomical Observatory  
Kimberly DeGrandpre, Southern Methodist University  
Jasmeet Dhaliwal, Pennsylvania State University  
Mizuho Koike, Japan Aerospace Exploration Agency (JAXA)  
Cristóbal González Rodríguez, Universidad Católica del Norte  
Julien Rojas, CSNSM, Université Paris Sud, France  
Manish N. Sanghani, Natural History Museum of Denmark, University of Copenhagen  
Sanni Turunen, University of Helsinki, Finland  
Tomohiro Usui, Japan Aerospace Exploration Agency (JAXA)  
Tetsuya Yokoyama, Tokyo Institute of Technology  
Georg F. Zellmer, Massey University, New Zealand  

### Interns (summer 2019)

John H. Fitzgerald, University of Virginia (entering fall 2019)  
Jackson Fuson, University of California, Irvine  
Isabella Marku, Virginia Polytechnic Institute and State University  
Derek Nie, University of California, Berkeley (entering fall 2019)  
Lara R. Nittler Stroud, Georgetown Day High School  

### Supporting Staff

Michael J. Acierno, *IT/IS Manager/Systems Engineer*  
Maceo T. Bacote, *Building Engineer*  
Steven Bassin, *Instrument Maker*  
Gary A. Bors, *Facility Manager*  
Madeline Burris, *Program Manager, Geochemical Society*  
Janice S. Dunlap, *Assistant to the Director*  
Mary Ferranti, *Library Technical Specialist/Digital Asset Curator*
Pablo D. Esparza, *Maintenance Technician*
Asaf O. Gelber, *Membership Manager, The Geochemical Society*
Steven Golden, *Field Seismologist*
Shaun J. Hardy, *Librarian*
Mary F. Horan, *Geochemistry Laboratory Manager*
Kevin Johnson, *Chief Operating Officer, The Geochemical Society*
William E. Key, *Building Engineer*
Wan K. Kim, *Assistant Controller*
Adriana Kuehnel, *IT Specialist & Scientific Programmer*
Otto Medina, *Building Engineer and Maintenance Apprentice*
Quentin Miller, *Building Engineer*
Timothy D. Mock, *Mass Spectrometry Laboratory Manager*
Roberto Molar Candanosa, *Science Writer & Communications Coordinator*
Susana L. Mysen, *Administrative Assistant*
Daniela D. Power, *Geophysical Research Assistant*
Carlos Rivera, *Building Engineer*
Brian P. Schleigh, *Electronic Design Engineer*
Jianhua Wang, *Senior Research Scientist and SIMS Lab Manager*
Cian Wilson, *Computational Scientist*
Merri Wolf, *Library Technical Assistant*
Parvin Zahedivash, *Staff Accountant*

**Visiting Investigators List**
Guillem Anglada Escude, *Queen Mary University*
Pamela Arriagada, *University of Washington*
Marco Bagnardi, *University of Leeds*
Alex Canitano, *Academia Sinica Taiwan*
Dianhua Cao, *Chinese Academy of Geological Sciences*
Matías Díaz, *University of Chile*
Sergio Dieterich, *STSCI*
Jacqueline K. Faherty, *American Museum of Natural History*
Glenn Gaetani, *Woods Hole Oceanographic Institution*
Dmitri Ionov, *Université de Montpellier*
James Jenkins, *University of Chile*
Hugh Jones, *Hertfordshire University*
Joel Kastner, *Rochester Institute of Technology*
David Mencin, *UNAVCO, Boulder*
Miki Nakajima, *University of Rochester*
Wendy Nelson, *Towson University*
Jonathan O’Neil, *University of Ottawa*
Morris Podolak, *Tel Aviv University*
Liping Qin, *University of Science and Technology, China*
Stephen H. Richardson, *University of Cape Town*
Hanika Rizo, *Carleton University, Ottawa*
Frederick Roelofse, *University of the Free State, South Africa*
Alberto Saal, *Brown University*
Karen V. Smit, *Gemological Institute of America*
Evan M. Smith, *Gemological Institute of America*
Marc W. Spiegelman, *Columbia University*
Rhonda Stroud, *Naval Research Laboratory*
Kiyoshi Suyehiro, *Japan Agency for Marine-Earth Science and Technology*
Tetsuo Takanami, *Earthquake Research Institute, University of Tokyo*
Liyan Tian, *Sanya Institute of Deep-Sea Science and Engineering, Chinese Academy of Sciences*
Mikko Tuomi, *Hertfordshire University*
Tomohiro Usui, *Tokyo Institute of Technology*
Steve Vogt, *University of California, Santa Cruz, Lick Observatory*
Jessica M. Warren, *University of Delaware*

1 To 30 June 2019
2 From 1 August 2018 to 31 July 2019
3 From 1 November 2018
4 To 31 July 2018
5 From 1 October 2018
6 From 1 September 2018 to 2 August 2019
7 From 1 November 2018
8 To 31 December 2018
9 To 25 July 2019
10 To 31 December 2018
11 To 30 June 2019
12 From 1 August 2018 to 28 January 2019
13 From 3 June 2019
14 From 10 December 2018
15 Deceased 9 November 2018
16 To 14 June 2019
17 To 31 August 2018
18 From 1 May 2019 to 19 July 2019
19 To 31 December 2018
*Deceased 5 September 2018