

Department of Embryology, Personnel

July 1, 2017 – June 30, 2018

Staff Members

Alex Bortvin

Donald D. Brown, Director Emeritus

Chen-Ming Fan

Steven A. Farber

Joseph G. Gall

Marnie E. Halpern

William Ludington¹

Allan C. Spradling

Yixian Zheng, Director²

Staff Associates

Christoph Lepper

Zhao Zhang

Postdoctoral Fellows and Associates

Yun Bai, Postdoctoral Researcher³

Amanda Chicoli, Postdoctoral Researcher

Jung-Hwa Choi, Postdoctoral Researcher

Steven DeLuca, HHMI Postdoctoral Researcher

Chiara De Luca, Postdoctoral Researcher

Svetlana Deryusheva, Visiting Scientist

Kun Dou, Postdoctoral Researcher

Erik Duboué, Postdoctoral Researcher⁴

Megha Ghildiyal, HHMI Postdoctoral Researcher

Ethan Greenblatt, HHMI Postdoctoral Researcher

Karen Griffin, Student Laboratory Assistant

Takashi Hotta, Postdoctoral Researcher⁵

Jiabiao Hu, Postdoctoral Researcher⁶

Minjie Hu, Postdoctoral Researcher

Andrew Jacob, Postdoctoral Researcher

Melissa Keinath, Postdoctoral Researcher⁷

Ju-Ryoung Kim, Visiting Postdoctoral Researcher⁸

Robert Levis, Special Investigator

Teng Li, Postdoctoral Researcher

Siew Hui Low, Postdoctoral Researcher⁹

Sungjin Moon, Postdoctoral Researcher

Wanbao Niu, HHMI Postdoctoral Researcher

Zehra Nizami, Postdoctoral Researcher¹⁰

Aki Ohdera, Postdoctoral Researcher¹¹

Jessica Otis, Postdoctoral Researcher¹²

Vanessa Quinlivan-Repasi, Postdoctoral Researcher¹³

Vladimir Shiriagin, Postdoctoral Researcher¹⁴

Matthew Sieber, HHMI Postdoctoral Researcher¹⁵

Mira Sohn, Postdoctoral Researcher¹⁶

Jiaxiang Tao, Postdoctoral Researcher¹⁷

Joseph Tran, Postdoctoral Researcher

John Urban, Postdoctoral Researcher¹⁸

Chenhui Wang, HHMI Postdoctoral Researcher

Lu Wang, Postdoctoral Researcher

Lu Wang, Postdoctoral Researcher¹⁹

Xinyi Wang, Postdoctoral Researcher²⁰

Meredith Wilson, Postdoctoral Researcher

Zheng-an Wu, Special Investigator

Xiaobin Zheng, Postdoctoral Researcher

Predoctoral Fellows and Associates

Michelle Biederman, The Johns Hopkins University²¹

Jui-Ko Chang, The Johns Hopkins University

Ji Cheng, The Johns Hopkins University

Asya Davidian, St. Petersburg State University²²

Tyler Harvey, The Johns Hopkins University

Liangji Li, The Johns Hopkins University

Lin Lin, University of Massachusetts Medical Center²³

Tabea Moll, The Johns Hopkins University²⁴

Rebecca Obniski, The Johns Hopkins University

Liang-Yu Pang, The Johns Hopkins University

Neta Schwartz, The Johns Hopkins University²⁵

Emma Spikol, The Johns Hopkins University²⁶

Gaëlle Talhouarne, The Johns Hopkins University²⁷

James Thierer, The Johns Hopkins University

Han Xiao, The Johns Hopkins University

Sibiao Yue, The Johns Hopkins University²⁸

Supporting Staff

Rosa Alcazar, Coordinator – C-MOOR Project ²⁹

Myriam Alexander-Kearns – Communications and Administrative Coordinator³⁰

Jen Anderson, Research Scientist

Sonya Bajwa, Business Manager

Valerie Butler, Carnegie Science Outreach Coordinator

Patricia Cammon, Glasswash Assistant

Elquis Castillo, Fish Technician³¹

Jean-Michael Chanchu, Research Technician

Stanley Chu, Fish Technician³²

Jennifer Cook, Administrative Specialist³³

Ted Cooper, Facilities Assistant

Aiden Danoff, Animal Technician

Carol Davenport, HHMI Research Technician III

Daphne DeShields, Assistant Controller

Eugenia Dikovsky, Animal Facility Manager

Brandie Dobson, Accounting Specialist

Mehran Esteghamat-Rad, Animal Technician

Jorge Sulca Flores, Animal Technician³⁴

Lauren Gilmer, Human Resources and Administrative Assistant³⁵

Karen Griffin, Student Laboratory Assistant

John Halpin, Student Laboratory Assistant

Jeremy Hayes, Mac Support Specialist

Monica Hensley, Research Technician

Ed Hirschmugl, Information Systems Manager

Lynne Hugendubler, Research Technician

Casey Hussey, Research Technician³⁶

Terrone Jasper, Outreach Educator³⁷

Connie Jewell, Information Systems Administrator

Glenese Johnson, Glasswash Assistant

Rejeanne Juste, Research Technician

Sammasia King, Administrative Coordinator³⁸

Ashley Li, Fish Technician³⁹

Rebecca Liao, Student Laboratory Assistant⁴⁰

Yu An (Leon) Lin, Research Technician

Katelyn Macholl, Fish Technician⁴¹

Michelle Macurak, Research Technician

Ona Martin, Research Technician

Marlow Minor, Animal Technician⁴²

Pedram Nozari, Animal Technician

Allison Pinder, HHMI Research Technician III

Christine Pratt, HHMI Administrative Coordinator

Madhu Rajmohan, Fish Technician⁴³

Sarina Raman, Student Laboratory Assistant⁴⁴

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

Carmen Tull, Animal Technician

Robert Vary, Carnegie Science Outreach Educator

Michael Vidal, Fish Technician⁴⁵

Semen Vlasov, Animal Technician

Dianne Williams, HHMI Research Technician III

Carolyn Winston, Student Laboratory Assistant⁴⁶

Visiting Investigators and Collaborators

Katherine Cox, Collaborating Postdoctoral Researcher, *Department of Biology, The Johns Hopkins University, Baltimore*⁴⁷

¹ From June 18, 2018

² Served as interim co-president from December 2017-June 2018

³ From March 19, 2018

⁴ To August 6, 2017

⁵ To November 14, 2017

⁶ To May 31, 2018

⁷ From October 20, 2017

⁸ To August 17, 2017

⁹ To November 30, 2017

¹⁰ To April 2, 2018

¹¹ From June 1, 2018

¹² To August 14, 2017

¹³ Transitioned from Graduate Student to Postdoctoral Researcher
September 1, 2017

¹⁴ From May 15, 2018

¹⁵ To September 1, 2017

¹⁶ From February 26, 2018

¹⁷ From March 22, 2018

¹⁸ From October 2, 2017

¹⁹ From November 8, 2017 – April 14, 2018; from July 12, 2018

²⁰ From January 5, 2018

²¹ From June 1, 2018

²² From April 10, 2018

²³ To July 1, 2017

²⁴ From June 1, 2018

²⁵ To June 30, 2018

²⁶ From March 15, 2018

²⁷ To November 21, 2017

²⁸ Transitioned from Graduate Student to Postdoctoral Researcher February
1, 2018, until June 15, 2018

-
- 29 To August 31, 2017
 - 30 From September 11, 2017
 - 31 From May 31, 2018
 - 32 From June 25, 2018
 - 33 To September 8, 2017
 - 34 To September 6, 2017
 - 35 From July 20, 2017
 - 36 From October 24, 2017
 - 37 From September 11, 2017
 - 38 From March 22, 2018
 - 39 From September 8, 2017
 - 40 To August 18, 2017
 - 41 From September 14, 2017
 - 42 To October 1, 2017
 - 43 From January 26, 2018 to July 25, 2018
 - 44 To July 28, 2017
 - 45 From April 9, 2018
 - 46 To December 8, 2017
 - 47 From January 19, 2018

**2017-2018 Yearbook
GL Personnel Section**

Geophysical Laboratory

Staff Scientists

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

Research Scientists

Muhetaer Aihaiti, *CDAC, ONR, NSF*²
Maria Baldini, *EFree*³
Reinhard Boehler, *EFree, DOE, WDC*
Xiao-Jia Chen, *HPSTAR*
Pamela Conrad, *JPL Subcontract to GL*⁴
Dionysis Foustakos, *NSF, NASA*
Stephen A. Gramsch, *DOE Programs Coordinator*⁵
Kadek Hemawan, *CDAC, WDC, EFree*⁶
Yufei Meng, *NSF, HPSTAR*
Ivan Naumov, *CDAC*⁷
Craig Schiffries, *Director, DCO*
Junyue Wang, *Carnegie, HPSTRAR*
Maddury Somayazulu, *CDAC, EFree*
Chang-Sheng Zha, *CDAC, DOE*⁸

High Pressure Collaborative Access Team (HPCAT)

Arunkumar S. Bommannavar, *Beamline Control Scientist, HPCAT*
Paul Chow, *Beamline Scientist, HPCAT*
Rick Ferry, *Beamline Associate*
Freda Humble, *Project Administrator, HPCAT*
Rostislav Hrubyak, *Research Scientists, HPCAT*
Cheng Ji, *Postdoctoral Associate, HPCAT*
Curtis Kenney-Benson, *Beamline Associate, HPCAT*
Yoshio Kono, *Research Scientist, HPCAT*⁹
Yue Meng, *Beamline Scientist, HPCAT*
Itaru Ohira, *Visiting Scientist, HPCAT*¹⁰

Changyong Park, *Beamline Scientist, HPCAT*
Dmitry Popov, *Beamline Scientist, HPCAT*
Eric Rod, *Beamline Technician, HPCAT*
Guoyin Shen, *Director, HPCAT*
Yu Shu, *Postdoctoral Associate, HPCAT*¹¹
Stanislav Sinogeikin, *Associate Director, HPCAT*
Jesse Smith, *Associate Beamline Scientist, HPCAT*
Viktor Struzhkin, *Executive Director, HPCAT*
Yuming Xiao, *Beamline Scientist, HPCAT*
Jianjun Ying, *Postdoctoral Associate, HPCAT*¹²
Larissa Huston, *HPCAT Visiting Investigator from Australian National University*¹³

Postdoctoral Fellows and Postdoctoral Associates

Michael Ackerson, *Carnegie Fellow*¹⁴
Venkata Srinu Bhadram, *Postdoctoral Associate, EFree*
Abhisek Basu, *Postdoctoral Associate, NSF, EFree*¹⁵
Neil Bennett, *Postdoctoral Associate, NASA, NSF*¹⁶
Gustav Borstad, *Postdoctoral Associate, DARPA*
Asmaa Boujibar, *Carnegie Fellow*
Zhixue Du, *Carnegie Fellow*¹⁷
Megan Duncan, *Postdoctoral Associate, NSF*¹⁸
Stephen Elardo, *Postdoctoral Associate, NSF*
Daniel Eldridge, *Carnegie Fellow*¹⁹
Teresa Fornaro, *Carnegie Fellow*²⁰
Zachary Geballe, *Carnegie Fellow*
Michael Guerette, *Postdoctoral Associate, EFree*
Amol Karandikar, *Postdoctoral Associate, EFree, WDC.*
Amanda Lindoo, *Postdoctoral Associate, NASA*²¹
Chao Liu, *Postdoctoral Associate, Keck Foundation*
Hanyu Liu, *Postdoctoral Associate, EFree*²²
Shi Liu, *Carnegie Fellow*²³
Ajay Mishra, *Postdoctoral Associate, DOE*²⁴
Shaunna Morrison, *Postdoctoral Associate, Sloan & Hazen Foundations*
Peng Ni, *Carnegie Fellow*²⁵
Dhiren Pradhan, *Postdoctoral Associate, ONR*
Md. Mijanur Rahaman, *Postdoctoral Associate, ONR*²⁶
Simone Runyon, *Postdoctoral Associate, Keck Foundation and Sloan Foundation*²⁷
Svetlana Shkolyar, *Carnegie Fellow*
Yu Shu, *Postdoctoral Associate, HPCAT-NNSA*²⁸
Wan Si Tang, *Postdoctoral Associate, ARMY*²⁹
Renbiao Tao, *Postdoctoral Associate, NSF*³⁰
Qianqian Wang, *Postdoctoral Associate, DARPA*
Lisa Warden, *Postdoctoral Associate, Sloan and Hazen Foundation*³¹
Matthew Ward, *Postdoctoral Associate, DARPA*
Jing Yang, *Postdoctoral Associate, NSF-Geophysics*³²
Jianjun Ying, *GL-HPSTAR Postdoctoral Associate, DOE*
Li Zhu, *Postdoctoral Associate, DARPA*

Support Staff

Maceo T. Bacote, *Building Engineer*
Tyler Bartholomew, *Instrument Maker*
Gary A. Bors, *Facility Manager*
Emma Bullock, *Microbeam Specialist*
Pablo D. Esparza, *Maintenance Technician*
Mary Ferranti, *Archives Technical Assistant*³³
Dyanne Furtado, *Staff Accountant*
Paul Goldey, *Electronics/Microbeam Specialist*
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*
Otto Medina, *Building Engineer*
Quintin Miller, *Building Engineer Apprentice*
Trong T. Nguyen, *Assistant Controller*
Aline Niyonkuru, *Assistant to the Director*
Morgan D. Phillips, *CDAC and EFree Administrator/Assistant*³⁴
Gefei Qian, *IT/IS Administrator*
Javier Rojas, *Research Engineer, EFree, DARPA*³⁵
Michelle Scholtes, *Digital Communication/Event Coordinator*
Gabor Szilagy, *Information Systems Manager*
Helen Venzon, *Accounts Payable Specialist*
Suzanne Vitale, *Microbeam Specialist*
Seth Wagner, *Machine Shop Apprentice*
Merri Wolf, *Library Technical Assistant*

Summer High School Interns

Ryan Bassett, *Montgomery Blair High School*
Carolyn Beaumont, *High School Intern, The Potomac School*
Raya Dabbi, *Thomas Jefferson High School*
Eric Hao, *Montgomery Blair High School*
Eli Harrison, *High School Intern, Landon School*
Colin Jones, *Maret School*
Alexandra Poltorak, *Thomas Wootton High School*
Matthew Shu, *Montgomery Blair High School*
Justin Zhang, *Montgomery Blair High School*

Summer Scholars

Lavontria (Miche^ˆ) Aaron, *Sam Houston State University in Texas*

Michael N. Hudgins, *Towson University*

Kyle Hurley, *Towson University*

Ada Morral, *Virginia Tech*

Ernestina Appiah, *University of Camerino, Italy*

Visiting Investigators

Catharine Conley, *NASA Ames*

Olivier Gagné, *University of Manitoba, Canada*

Wojciech Grochal, *University of Warsaw, Warsaw (Poland)*

Shuqing Jiang, *Institute of Solid State Physics, PR China*

Dr. Murray W. Hitzman, *University College Dublin, Ireland*

Yanhao Lin, *Vrije University of Amsterdam, Netherlands*

Teerachote Pakornchote, *Chulalongkorn University, Thailand*

Feifei Pan, *Reinsselaer Polytechnic Institute*

Anirudh Prabhu, *Rensselaer Polytechnic Institute*

Edgar Steenstra, *Vrije University of Amsterdam, Netherlands*

Todd Zapata, *Max Planck Institute for Polymer Research, Germany*

¹ From April 2, 2018

² To January 5, 2018

³ To April 27, 2018

⁴ From August 14, 2017

⁵ To September 27, 2017

⁶ To December 15, 2017

⁷ To February 28, 2018

⁸ To November 30, 2017

⁹ To June 8, 2018

¹⁰ From April 2, 2018

¹¹ From August 28, 2017

¹² To July 27, 2017

¹³ To September 23, 2017

¹⁴ To November 10, 2017

¹⁵ To May, 4, 2018

¹⁶ To August 25, 2017

¹⁷ To June, 29, 2018

¹⁸ To January 31, 2018

¹⁹ To June 29, 2018

²⁰ From September 18, 2017

²¹ From September 5, 2017

²² To May 31, 2018

²³ To January 31, 2018

²⁴ To December 8, 2017

²⁵ From September 1, 2017

²⁶ From September 1, 2017

²⁷ From August 28, 2017

²⁸ From August 28, 2017

²⁹ From January 9, 2018

³⁰ To April 10, 2018

³¹ From February 5, 2018

³² From July 1, 2017

³³ From January 2, 2018

³⁴ To October 13, 2017

³⁵ From December 11, 2017

Personnel 2017-2018**July 1, 2017 to June 30, 2018****Department of Global Ecology****Research Staff Members**

Gregory Asner
Joseph A. Berry, *Acting Director*
Kenneth Caldeira
Robin Martin
Anna Michalak

Visiting Investigators

James Askew, *University of Southern California (from 5/14/18)*
Katharine Mach, *Intergovernmental Panel on Climate Change*

Graduate Students

Christa Anderson, *Stanford University*
Grayson Badgely, *Stanford University*
Rachel Carlson, *Stanford University (from 6/18/18)*
Emily Francis, *Stanford University*
Rachel Engstrand, *Stanford University*
Jeff Ho, *Stanford University*
Becky Niemiec, *Stanford University*
Elsa Ordway, *Stanford Wood Institute for the Environment*
Nina Randazzo, *Stanford University*
Matthew Shultz, *Stanford University*
Eva Sinha, *Stanford University*

Pre/Postdoctoral Fellows and Associates

Lee Anderegg, *Carnegie Fellow*
Christopher Balzotti, *Postdoctoral Research Associate*
Phil Broderick, *Carnegie Fellow*
Patrick Brown, *Postdoctoral Research Associate*
K. Dana Chadwick, *NSF Fellow*
Danny Cullenward, *Postdoctoral Research Associate*
Andrew Davies, *Mellon Foundation Postdoctoral Research Associate*
Lei Duan, *Predoctoral Research Associate (from 11/27/17)*
Clara Garcia-Sanchez, *Postdoctoral Research Associate (from 10/1/17)*
Dario Del Giudice, *Postdoctoral Research Associate (to 1/15/18)*
Anna Goldstein, *Postdoctoral Research Associate (from 9/1/17)*
Frederick Draper, *Carnegie Fellow*
Yuanyuan Fang, *NASA, DOE Postdoctoral Research Associate*
Shawna Foo, *Postdoctoral Research Associate*
Jennifer Johnson, *Postdoctoral Research Associate*
Ari Kornfeld, *Senior Postdoctoral Research Associate*
David Koweek, *Postdoctoral Research Associate*
Pramukta Kumar, *Postdoctoral Research Associate (from 6/15/18)*
Jiwei Li, *Postdoctoral Research Associate (from 6/13/18)*
Scot Miller, *Carnegie Fellow (to 12/31/17)*
Geeta Persad, *Postdoctoral Research Associate*
Anna Possner, *Postdoctoral Research Associate*

Kate Ricke, *Carnegie Fellow*
Daniel Sanchez, *Postdoctoral Research Associate (to 8/4/17)*
Yoichi Shiga, *Postdoctoral Research Associate (from 2/28/18)*
Sinan Sousan, *Postdoctoral Research Associate*
Fan Tong, *Postdoctoral Research Associate (from 8/1/17)*
Peter Turner, *Postdoctoral Research Associate (to 11/13/17)*
Rong Wang, *Postdoctoral Research Associate (to 1/29/18)*
Mary Whelan, *NSF Fellow*
Mengyao Yuan, *Postdoctoral Research Associate (from 1/10/18)*

Interns / Volunteers

Zihan Chen, *Intern*
Flor Maciel, *Intern*
Neosha Narayanan, *Intern*

Supporting Staff

Adam Baljevich, *Technician (to 8/18/17)*
Jessamy Barker, *Executive Administrator*
Loreli Carranza-Jimenez, *Laboratory Technician (to 8/15/17)*
Heather D'Angelo, *Project Manager (from 6/18/18)*
Kathleen Denniston, *Laboratory Assistant (to 7/31/17)*
William Hayes, *Scientific Computer Programmer*
Joseph Heckler, *CAO Mapping Technologist*
Edward Kleiner, *IT Technician*
David Knapp, *Scientific Computer Programmer*
Seth Lalonde, *Research Analyst (to 9/1/17)*
Clare LeDuff, *Research Facilitator/Operations Specialist*
Michael Mastrandrea, *Director Near Zero Project*
Mae Qiu, *Scientific Computer Programmer*
Munish Sikka, *Computational Data Processor, (from 3/19/18)*
Nick Vaughn, *Head CAO Instrumentation & Data Processing*
Leslie Willoughby, *Science Writer (from 12/1/17)*

YB17-18OBSPersonnel
July 1, 2017 – June 30, 2018

The Observatories

Staff Scientists

Andrew Benson
Rebecca Bernstein
Alan Dressler, *Staff Member Emeritus*
Juna Kollmeier
Nicholas Konidaris ¹
Patrick McCarthy
Andrew McWilliam
John Mulchaey, *Director*
Andrew Newman
Augustus Oemler, Jr., *Director Emeritus*
Eric Persson, *Staff Member Emeritus*
Mark Phillips, *Director, Las Campanas Observatory* ²
Anthony Piro ³
George Preston, *Director Emeritus*
Michael Rauch
Gwen Rudie
François Schweizer, *Staff Member Emeritus*
Stephen Sackett
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*

Postdoctoral Fellows and Associates

Katherine Alatalo, *Hubble Fellow* ⁴
Alex Alarcón, *Research Assistant* ⁵
Eduardo Bañados, *Carnegie-Princeton Fellow*
Rachael Beaton, *Postdoctoral Research Associate* ⁶
Thomas Connor, *Postdoctoral Research Associate*
Maria Drout, *Hubble Fellow*
K. Decker French, *Hubble Fellow* ⁷
Terese Hansen, *Postdoctoral Research Associate*
Thomas Holm, *Carnegie Fellow* ⁸

Alexander Ji, *Hubble Fellow*⁹
Yu Lu, *Postdoctoral Research Associate*¹⁰
Rosalie McGurk, *Carnegie Fellow*⁷
Sandy Moak, *Research Assistant*¹¹
Stefano Pasetto, *Postdoctoral Research Associate*
Shannon Patel, *Research Associate*
Nicole Relatores, *Research Assistant*
Amber Roberts, *Research Assistant*⁴
Marja Seidel, *Postdoctoral Research Associate*¹²
Mark Seibert, *Senior Research Analyst*
Benjamin Shappee, *Hubble Fellow*¹³
Allison Strom, *Carnegie Fellow*¹⁴
Johanna Teske, *Hubble Fellow*¹⁵
Stephanie Tonnesen, *Carnegie-Nashman Fellow*¹⁶
Jennifer van Saders, *Carnegie-Princeton Fellow*¹³

Las Campanas Research Staff

Leopoldo Lira Infante, *Director, Las Campanas Observatory*¹⁴
David Osip, *Associate Director, Las Campanas Observatory*
Mark Phillips, *Director Emeritus, Las Campanas Observatory*¹⁷

Las Campanas Fellows and Associates

Carlos Contreras, *Postdoctoral Fellow*¹⁶

Las Campanas Resident Astronomer

Nidia Morrell, *Resident Astronomer*

Supporting Staff, Pasadena

Leon Aslan, *Senior Opto-Mechanical Engineer*¹
Christoph Birk, *Data Acquisition Programmer*
Jerson Castillo, *Instrument Maker*
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*¹⁸
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*
Jeffery Rich, *Outreach Coordinator*

Scott Rubel, *Facilities Manager*
Sung-Ri Sok, *Financial Accountant*
Robert Storts, *Instrument Maker*
Irina Strel'nik, *Assistant Business Manager*
Gillian Tong, *Accounting Analyst*
Alan Uomoto, *Observatory Technical Manager*
Sarah Whitten, *Library/Archivist Intern* ¹⁹

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 Balbontín, *Chef*
Ivan Barraza, *El Pino Guard*
Yuri Beletsky, *Magellan Instrument Support Scientist*
Roberto Bermúdez, *Administrative Assistant*
Guillermo Mendiberri Blanc, *Staff Associate Astronomer*
Andres Borquez, *Chef*
Konstantina Boutsia, *Magellan Instrument Scientist*
Jorge Bravo, *Magellan Instrument Specialist*
Alfredo Calderon, *Janitor*
Juan-Carlos Carrasco, *Driver/Purchaser*
Pedro Carrizo, *Plumber*
Jilberto Carvajal, *Purchasing Assistant* ²⁰
Sergio Castellon, *Night Assistant* ²¹
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*
Fernando Vega Alexis Gomez, *Chef Assistant* ²²
Jaime Gómez, *Accounting Assistant*
Danilo González, *Magellan Maintenance Support*
Consuelo González, *Night Assistant*
Luis González, *Janitor*
Erwin Guerra, *Carpenter*
Javier Gutiérrez, *Mechanical Technician Assistant*
Nelson Ibacache, *Mechanical Assistant*

Patricio Jones, *Magellan Electronics Engineer* ²³
Ester Cortez Nelda Jucia, *Purchasing Officer*
Oscar Juica, *Plumber* ²⁴
Luis Letelier, *El Pino Guard* ²⁵
Eduardo Lizardi, *Administrative Assistant*
Angelica Leon, *Magellan Telescope Operator*
Gabriel Martin, *Magellan Instrument Specialist* ²⁶
Mauricio Martinez, *Magellan Telescope Operator*
Jonathan Medalla, *Accountant*
Miguel Méndez, *Mechanical Technician*
Victor Meriño, *Magellan Instrument Specialist*
Javier Mery, *Electrician* ²⁷
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*
Gabriel Prieto, *Programmer*
Félix Quiroz, *Mechanical Technician*
Javiera Rey, *Communications and Extension Manager* ²⁸
Andres Rivera, *Electronics Engineer*
Hugo Rivera, *Magellan Telescope Operator*
Armando Rodriguez, *Janitor* ²⁹
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*
David Verdugo, *Chef*
Emilio Weinberger, *Mechanical Engineer* ³⁰
Jose Zamora, *Chef*
Lionel Zumaran, *System Manager* ²¹

Visiting Investigators

Carson Adams, *California Institute of Technology*
Gustavo Aguayo, *Universidad de Concepción, Chile*
Claudia Aguilera, *Pontificia Universidad Católica de Chile*
Javiera Ahumada, *Universidad de Chile*
Romina Ahumada, *Universidad Andrés Bello, Chile*
Andres Almeida, *Universidad de La Serena, Chile*
Timo Anguita, *Universidad Andrés Bello, Chile*
Maria Argudo, *University of Antofagasta, Chile*
Vincenzo Aronica, *Universidad de Concepción, Chile*
Jeb Bailey, *University of Michigan*
Gaspar Bakos, *Princeton University*
Rodolfo Barba, *Universidad de La Serena, Chile*
Daniela Barrientos, *Universidad de Chile*
Felipe Barrientos, *Pontificia Universidad Católica de Chile*
Manuel Barrientos, *Pontificia Universidad Católica de Chile*
Andrew Battisti, *The Australian National University*
Franz Bauer, *Harvard University, Department of Astronomy*
Jaclyn Baughman, *University of Colorado*
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Amelia Bayo, *Universidad de Valparaiso, Chile*
Juan Beamin, *Universidad de Valparaiso, Chile*
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Juliette Becker, *University of Michigan*
Bradford Benson, *The University of Chicago*
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Theodoros Bitsakis, *Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico*
Peter Blanchard, *Harvard University, Department of Astronomy*
Lindsey Bleem, *Argonne National Laboratory*
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Rongmon Bordoloi, *Massachusetts Institute of Technology*
Amanda Bosh, *Massachusetts Institute of Technology*
Antonin Bouchez, *Giant Magellan Telescope Organization*
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Michael Calzadilla, *Massachusetts Institute of Technology*
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Andrew Casey, *Monash University, Australia*

Norberto Castro, *University of Michigan*
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Igor Chilingarian, *Smithsonian Astrophysical Observatory*
Anyrudh Chiti, *Massachusetts Institute of Technology*
Laird Close, *The University of Arizona*
Judy Cohen, *California Institute of Technology*
David Concha, *Universidad de Valparaiso, Chile*
Carlos Contreras, *National Science Foundation*
Thomas Cooper, *Massachusetts Institute of Technology*
Pia Cortes, *Universidad de Chile*
Denija Crnojevic, *Texas Tech University*
Zoltan Csubry, *Princeton University*
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Emanuele Daddi, *CEA Saclay, France*
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Scott Davis, *Florida State University*
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Taran Esplin, *The University of Arizona*
Rana Ezzeddine, *Massachusetts Institute of Technology*
Xiaohui Fan, *The University of Arizona*
Antonia Fernandez, *Universidad de Chile*
Daniela Fernandez, *Pontificia Universidad Católica de Chile*
Jose Fernandez, *Universidad de Concepción, Chile*
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Paul Harding, *Case Western Reserve University*
Maximiliano Haucke, *Universidad Nacional de La Plata, Argentina*
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Nicolas Tejos, *Universidad Católica de Valparaíso, Chile*

Cristina Thomas, *Planetary Science Institute*
Melinda Townsend, *The University of Kansas*
Ezequiel Treistrer, *Pontificia Universidad Católica de Chile*
Chad Trujillo, *Northern Arizona University*
Juan Trujillo, *University of Washington*
Evan Tucker, *Carnegie Mellon University*
Andrzej Udalski, *University of Warsaw, Poland*
Krzysztof Ulaczyk, *University of Warsaw, Poland*
Natalie Ulloa, *University of California, Santa Cruz*
Camila Valenzuela, *Gemini Observatory*
Jakob Van Den Eijnden, *University of Amsterdam, Netherlands*
Jaime Vargas, *Universidad de La Serena, Chile*
Joris Vos, *Universidad de Valparaiso, Chile*
Kevin Wagner, *The University of Arizona*
Mathew Walker, *Carnegie Mellon University*
Zhen Wan, *University of Sydney, Australia*
Feige Wang, *The University of Arizona*
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Xianzhong Zheng, *Purple Mountain Observatory, CAS, China*
Zhenya Zheng, *Shanghai Astronomical Observatory, China*
George Zhou, *Harvard University, Department of Astronomy*

-
- ¹ From October 1, 2017
 - ² To July 31, 2017
 - ³ From November 1, 2017, formerly Hale Scholar/Staff Associate
 - ⁴ To September 30, 2017
 - ⁵ From October 2, 2017 to March 31, 2018
 - ⁶ To August 31, 2017, formerly Hubble Fellow
 - ⁷ From September 1, 2017
 - ⁸ From August 16, 2017
 - ⁹ From July 1, 2017
 - ¹⁰ To November 26, 2017
 - ¹¹ From May 10, 2016 to September 30, 2017, not reported previously
 - ¹² To April 30, 2018
 - ¹³ To September 24, 2017
 - ¹⁴ From August 1, 2017
 - ¹⁵ From May 1, 2018, formerly Carnegie-Origins Fellow, November 30, 2017
[interdepartment transfer from OBS to DTM; Carnegie-Princeton Fellow, September 1, 2016]
 - ¹⁶ To August 31, 2017
 - ¹⁷ From August 1, 2017
 - ¹⁸ From January 1, 2018, formerly at Las Companas Observatory
 - ¹⁹ From January 23, 2018
 - ²⁰ From March 5, 2018, formerly El Pino Guard
 - ²¹ From June 1, 2018
 - ²² To March 21, 2018
 - ²³ To December 31, 2017
 - ²⁴ To October 20, 2017
 - ²⁵ From November 14, 2017
 - ²⁶ To May 31, 2017
 - ²⁷ From February 13, 2018
 - ²⁸ From May 5, 2018
 - ²⁹ From June 20, 2017, not reported previously
 - ³⁰ From July 30, 2017

Personnel 2017-2018
July 1, 2017 to June 30, 2018

Department of Plant Biology

Research Staff Members

M. Kathryn Barton
Winslow R. Briggs, *Director Emeritus*
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Arthur R. Grossman
Seung Y. Rhee
Zhi-Yong Wang, *Acting Director*

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Devaki Bhaya
Matthew Evans

Senior Investigator

Theodore Raab

Visiting Investigators

Yan Cai, *Changzhou University (from 9/11/17)*
Niko Geldner, *Université de Lausanne, Switzerland (from 9/5/17 to 1/31/18)*
Devin O'Connor, *Cambridge University, UK (from 6/7/17)*
Hatem Rouached, *Institute National de la Recherche Agronomique, France*
Xuelian Yang, *Fujian Agriculture & Forestry University, China (from 5/1/18)*

Graduate Students

Yang Bi, *Stanford University*
Yanniv Dorone, *Stanford University*
Therese LaRue, *Stanford University*

Postdoctoral Fellows and Associates

Kanako Bessho-Uehara, *Postdoctoral Research Associate (from 4/2/18)*
Flavia Bossi, *Carnegie Fellow*
Jennifer Brophy, *HHMI Postdoctoral Research Associate*
Arvind Chavali, *NIH/DOE Postdoctoral Research Associate (to 3/9/18)*
Antony Chettoor, *NSF Postdoctoral Research Associate (from 8/30/17)*
Lily Cheung, *NSF Fellow (to 7/31/17)*
Sophie Clowez, *Moore Postdoctoral Research Associate*
Cindy Cooke, *NSF Postdoctoral Research Associate (to 12/31/17)*
Cesar Cuevas-Velazquez, *HHMI Postdoctoral Research Associate*
Lina Duan – *DOE Postdoctoral Research Associate (to 5/4/18)*
Veder Garcia, *NSF Postdoctoral Research Associate*
Samuel Hokin, *NSF Postdoctoral Research Associate*
Yu-chun Hsiao, *Carnegie Fellow*
Chuan-Chih Hsu, *Postdoctoral Research Associate (from 6/25/18)*
Weichao Huang, *Fellow (from 11/21/17)*
Adam Idoine, *BARD Fellow (to 10/31/17)*
Haojie Jin, *NSF Postdoctoral Research Associate*
Robert Jinkerson, *LSRF Fellow (to 7/31/17)*
Rajnish Khanna, *Carnegie Fellow*

Tae-Wuk Kim, *Postdoctoral Research Associate (from 2/20/18)*
Fan Lin, *Postdoctoral Research Associate (from 9/5/17)*
Jelmer Lindeboom, *Carnegie Fellow*
Tie Liu, *Carnegie Fellow*
Yongxian Lu, *Postdoctoral Research Associate*
Heather Meyer, *Carnegie Fellow*
Chan-Ho Park, *Carnegie Fellow*
Neil Robbins, *Fellow*
Emanuel Sanz Luque, *Carnegie Fellow (to 1/14/18)*
Shai Saroussi, *DOE Senior Postdoctoral Research Associate*
Pascal Schlapfer, *SNSF Fellow (to 12/31/17)*
Jose Sebastian, *DOE Postdoctoral Research Associate (to 11/21/17)*
Davide Sosso, *Syngenta Senior Postdoctoral Research Associate (to 9/10/17)*
Tong-Seung Tseng, *NSF Postdoctoral Research Associate*
Frej Tulin, *Fellow (from 9/1/17)*
Tamara Vellosillo-Armengol, *Postdoctoral Researcher*
Josep Vilarrasa-Blasi, *LSRF Fellow*
Renate Weizbauer, *Carnegie Fellow*
Jiun Yen, *Postdoctoral Research Associate (from 10/2/17)*
TingTing Xiang, *Moore Postdoctoral Research Associate*
Zhengzhen Zhang, *Fellow (from 10/16/17)*
Kangmei Zhao, *NIH Postdoctoral Research Associate*
Jiaying Zhu, *NIH Postdoctoral Research Associate*

Interns / Volunteers

Ankush Bharadwaj, *Intern*
Sofia Bustamante, *Intern*
Erika Frydrych-Capelari, *Intern*
Rachel Gates, *Intern*
Miley Hu, *Intern*
Kevin Li, *Intern*
Bharti Parihar, *Intern*
Elijah Saltzman, *Intern*
Galyna Vakulenko, *Intern*
Febe Martinez, *Intern*
Matthew Webb, *Intern*

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Maria Canfield, *Accounts Payable Specialist*
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Jessie Chen, *Assistant Business Manager/Controller*
Diane Chermak, *Senior Laboratory Technician*
Susan Cortinas, *Grants Administrator*
Amber Glowacki, *Research Technician (to 6/14/18)*
Ngoc Ho, *Grants Manager*
Garret Huntress, *IS Manager*
Benjamin Jin, *Laboratory Assistant (from 11/1/17)*
EvanaLee, *Financial Analyst*
Maria Lopez, *IT Support Specialist*
Makenzie Machado, *Laboratory Technician*
Giancarlo Materassi-Shultz, *Gardener & Greenhouse Associate (from 1/16/18)*
Hye-In Nam, *Laboratory Technician*

Kacie Ring, *Laboratory Assistant (from 1/8/18)*
Ankit Srinivas, *Laboratory Assistant*
Katherine Stevenson, *Administrative Assistant (from 8/1/17)*
Terri Tippets, *Executive Administrator*
M. Clare Tuma, *Human Resources Business Partner (from 5/16/18)*
Hannah Vahldick, *Technician (from 6/26/18)*
Theodore van de Sande, *Operations Manager*
Anjelica Vazquez, *Maintenance Associate/Dishwasher*
Ismael Villa, *Facilities Assistant*
Faatuai Williams, *Accounts Payable Specialist*
Naoia Williams, *Accounts Payable Clerk/Purchasing Agent*
Angela Xu, *Research Assistant (from 6/4/18)*
Shouling Xu, *Director of Proteomics Facility*
Bo Xue, *Laboratory Technician*
Peifen Zhang, *Director of Plant Metabolic Network*

YEARBOOK DTM Personnel July 1, 2017 - June 30, 2018

Terrestrial Magnetism

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Shi (Joyce) Sim, *Postdoctoral Associate*¹⁴
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Amélie Simon, University of Montreal
Joshua Smith, Indiana University
Hangyeol Yun, Seoul National University, Korea

Interns

Piper Resch, The Field School (August 2017)
Aneesha Sampath, Thomas S. Wootton High School (summer 2018)
Samantha O'Sullivan, School Without Walls Senior High School (summer 2018)

Supporting Staff

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Mary F. Horan, *Geochemistry Laboratory Manager*
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Lynn Elkins, *University of Nebraska*^{**}
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Glenn Gaetani, *Woods Hole Oceanographic Institution*
Berry Holl, *The Geneva Observatory at the University of Geneva*^{**}
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Hugh Jones, *Hertfordshire University*
Joel Kastner, *Rochester Institute of Technology*
Nan Liu, *Journal Guide (American Journal Experts)*
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*
Paul A. Rydelek, *Memphis, TN*^{**}
Alberto Saal, *Brown University*
Karen V. Smit, *Gemological Institute of America*
Evan 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*

Shoshana Z. Weider, *NASA Headquarters***

¹From 3 October 2017 to 24 November 2017

²From 1 January 2018 to 1 March 2018

³From 15 May 2018 to 9 June 2018

⁴From 7 September 2017

⁵From 1 July 2017

⁶To 16 October 2017

⁷From 1 December 2017

⁸From 27 March 2018

⁹From 15 September 2017

¹⁰From 12 December 2017

¹¹To 15 June 2018

¹²To 3 November 2017

¹³To 15 December 2017

¹⁴From 2 April 2018

¹⁵ From 2 February 2018

¹⁶To 1 May 2018 (now a Hubble Fellow at OBS)

¹⁷From 25 January 2018

¹⁸From 3 January 2018

¹⁹ From 2 October 2017

²⁰To 20 February 2018

²¹From 7 August 2017

²²From 1 March 2018

²³To 31 January 2018

²⁴From 1 September 2017

*Joint DTM/GL employee

**Until June 20, 2018

***From June 20, 2018