

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 Lepper²

Zhao Zhang

Postdoctoral Fellows and Associates

Yun Bai, Postdoctoral Researcher

Amanda Chicoli, Postdoctoral Researcher

Jung-Hwa Choi, Postdoctoral Researcher

Steven DeLuca, HHMI Postdoctoral Researcher

Chiara De Luca, Postdoctoral Researcher

Kun Dou, Postdoctoral Researcher

Nathalie Gerassimov, Postdoctoral Researcher³

Megha Ghildiyal, HHMI Postdoctoral Researcher⁴

Ethan Greenblatt, HHMI Postdoctoral Researcher

Minjie Hu, Postdoctoral Researcher

Andrew Jacob, Postdoctoral Researcher⁵

Melissa Keinath, Postdoctoral Researcher

Daniel Kelpsich- Postdoctoral Researcher⁶

Ashish Kumar Tiwary, Postdoctoral Researcher⁷

Teng Li, Postdoctoral Researcher⁸

Sungjin Moon, Postdoctoral Researcher

Wanbao Niu, HHMI Postdoctoral Researcher

Aki Ohdera, Postdoctoral Researcher⁹

Vanessa Quinlivan-Repasi, Postdoctoral Researcher

Anwen Shao, Postdoctoral Researcher¹⁰

Vladimir Shiriagin, Postdoctoral Researcher

Mira Sohn, Postdoctoral Researcher¹¹

Jiaxiang Tao, Postdoctoral Researcher

Joseph Tran, Postdoctoral Researcher

John Urban, Postdoctoral Researcher

Chenhui Wang, HHMI Postdoctoral Researcher

Lu Wang, Postdoctoral Researcher

Lu Wang, Postdoctoral Researcher¹²

Xinyi Wang, Postdoctoral Researcher¹³

Meredith Wilson, Postdoctoral Researcher

Hao Yan, Postdoctoral Researcher¹⁴

Fu Yang, Postdoctoral Researcher¹⁵

Ran Zhou, Postdoctoral Researcher¹⁶

Predocctoral 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 Technician¹⁷

Myriam Alexander-Kearns – Communications and Administrative Coordinator¹⁸

Ajaykarthik Ananthakrishnan- Fish Facility Technician¹⁹

Jen Anderson, Research Scientist

Julia Baer, Aquatic Facilities Manager²⁰

Sonya Bajwa, Business Manager

Theo Bates, JHU Undergraduate Student²¹

Victoria Bonfont, Summer Student²²

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 Technician²³

Carol Davenport, HHMI Research Technician III

Svetlana Deryusheva, Research Scientist

Daphne DeShields, Assistant Controller²⁴

Eugenia Dikovsky, Animal Facility Manager

Brandie Dobson, Accounting Specialist

Marcia Edwards, Administrative Coordinator²⁵

Mehran Esteghamat-Rad, Animal Technician

Lauren Gilmer, Human Resources and Administrative Assistant

Jacob Griffin, Fish Facility Technician²⁶

Rebecca Grubsy- JHU Undergraduate Student²⁷

Jeremy Hayes, Mac Support Specialist

Monica Hensley, Research Technician

Ed Hirschmugl, Information Systems Manager

Lynne Hugendubler, Research Technician

Casey Hussey, Research Technician²⁸

Maria Jaime, Research Scientist²⁹

Terrone Jasper, Outreach Educator

Connie Jewell, Information Systems Administrator³⁰

Johnson, Johnnie, Fish Facility Technician³¹

Glenese Johnson, Glasswear Assistant

Rejeanne Juste, Research Technician

Robert Levis, Special Investigator

Taeki Kim, JHU Undergraduate Student³²

Sammaasia King, Administrative Coordinator³³

Urmi Kumar, JHU Summer Student³⁴

Nhan Le, Poly Ingenuity Student³⁵

Ashley Li, Fish Technician

Yu An (Leon) Lin, Research Technician³⁶

Katelyn Macholl, Fish Technician

Michelle Macurak, Research Technician

Ona Martin, Research Technician

Daniel Martinez, Laboratory Technician³⁷

Navid Marvi, Communications Coordinator³⁸

Pedram Nozari, Animal Technician

Rebecca Obniski, Research Scientist³⁹

Darrren Paris- JHU Summer Student⁴⁰

Allison Pinder, HHMI Research Technician III

Christine Pratt, HHMI Administrative Coordinator

Wilber Ramos, Animal Technician

Devance Reed, Facilities Assistant

Andrew Rock, Animal Technician⁴¹

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 Student⁴²

Allen Tsai, Fish Facility Technician⁴³

Carmen Tull, Animal Technician⁴⁴

Robert Vary, Carnegie Science Outreach Educator

Rick Veader, IT Systems Administrator⁴⁵

Maxwell Veiga, JHU Summer Student⁴⁶

Michael Vidal, Fish Technician

Semen Vlasov, Animal Technician

Dianne Williams, HHMI Research Technician III

Zheng-an Wu, Special Investigator

Xiaobin Zheng, Research Scientist⁴⁷

Visiting Investigators and Collaborators

Harry Goldberg, Visiting Scientist, Department of Biomedical Engineering, Johns Hopkins School of Medicine⁴⁸

¹ From November 1, 2018

² To September 28, 2018

³ From May 20, 2019

⁴ To August 1, 2018
⁵To October 22, 2018
⁶From 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

⁴⁴ To April 1, 2019

⁴⁵ From November 8, 2019

⁴⁶ From May 29, 2019

⁴⁷ Title change from June 1, 2019

⁴⁸ 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 Mao¹
Bjørn O. Mysen
Douglas Rumble III
Anat Shahar
Andrew Steele
Timothy A. Strobel
Viktor V. Struzhkin
Sally Tracy²
Michael Walter, *Director*

Research Scientists

Reinhard Boehler³
Pamela Conrad
Dionysis Foustakos
Zackary Geballe
Amol Karandikar
Shaunna Morrison
Craig Schiffries
Maddury Somayazulu⁴

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 Hrubciak, *Research Scientists, HPCAT*⁹
Cheng Ji, *Postdoctoral Associate, HPCAT*¹⁰

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*¹¹
Yue Meng, *Beamline Scientist, HPCAT*¹²
Changyong Park, *Beamline Scientist, HPCAT*¹³
Dmitry Popov, *Beamline Scientist, HPCAT*
Eric Rod, *Beamline Technician, HPCAT*¹⁴
Guoyin Shen, *Director, HPCAT*¹⁵
Yu Shu, *Postdoctoral Associate, HPCAT*¹⁶
Stanislav Sinogeikin, *Associate Director, HPCAT*¹⁷
Jesse Smith, *Associate Beamline Scientist, HPCAT*¹⁸
Yuming Xiao, *Beamline Scientist, HPCAT*¹⁹
Jianjun Ying, *Postdoctoral Associate, HPCAT*²⁰

Postdoctoral Fellows and Postdoctoral Associates

Venkata Srinu Bhadram, *Postdoctoral Associate, EFree*²¹
Gustav Borstad, *Postdoctoral Associate, DARPA*²²
Asmaa Boujibar, *Postdoctoral Associate*
Joy Buongiorno, *Postdoctoral Associate*²³
Irina Chuvashova, *Postdoctoral Associate*²⁴
Stephen Elardo, *Postdoctoral Associate, NSF*²⁵
Teresa Fornaro, *Carnegie Fellow*
Oliver Gagné, *Postdoctoral Associate*²⁶
Michael Guerette, *Postdoctoral Associate, EFree*
Yanhao Lin, *Postdoctoral Associate*²⁷
Amanda Lindoo, *Postdoctoral Associate, NASA*
Chao Liu, *Postdoctoral Associate, Keck Foundation*²⁸
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 From July 17, 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*⁸⁹
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*⁴⁰
Aline Niyonkuru, *Assistant to the Director*
Gefei Qian, *IT/IS Administrator*⁴¹
Javier Rojas, *Research Engineer*
Michelle Scholtes, *Digital Communication/Event Coordinator*⁴²
Gabor Szilagyi, *Information Systems Manager*
Helen Venzon, *Accounts Payable Specialist*
Suzanne Vitale, *Microbeam Specialist*
Seth Wagner, *Machine Shop Apprentice*
Merri Wolf, *Library Technical Assistant*⁴³

2019 High School Summer Interns and Summer Scholars

Eli Harrison, *Landon School*
Ciara Jacobs, *Stone Ridge School of the Sacred Heart*
Janneke Kovoov, *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*⁴⁴
Austin Gion, *University of Maryland*⁴⁵
Piotr Guńka, *Warsaw University of Technology*⁴⁶
Shuqing Jiang, *Institute of Solid-State Physics, PR China*
Dr. Murray W. Hitzman, *University College Dublin, Ireland*⁴⁷
Yunxiu Li, *Peking University, China*⁴⁸
Mingguang Yao, *Jilin University, China*⁴⁹
Yuan Yin, *Institute of Geochemistry at the Chinese Academy of Sciences, China*⁵⁰

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*⁵¹
Feifei Pan, *Reinsselaer Polytechnic Institute*⁵²

⁵¹ *To December 31, 2018*

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)*
Candise 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 Konidakis
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 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 Emeritus*¹

Postdoctoral Fellows and Associates

Louis Abramson, *Carnegie-Princeton Fellow*²
Eduardo Bañados, *Carnegie-Princeton Fellow*³
Pavaman Bilgi, *Postdoctoral Fellow*⁴
Thomas Connor, *Postdoctoral Research Associate*
Thomas Cooper, *Postdoctoral Fellow*⁵

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*¹⁶
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*¹⁷
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 Balbontín, *Chef*
Ivan Barraza, *El Pino Guard*
Yuri Beletsky, *Service Observing Support Scientist*¹⁸
Roberto Bermúdez, *Administrative Assistant*
Felipe Pimentel Besser, *Operations Engineer (SDSS-V)*¹⁹
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*²⁰
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*²¹
Juan Gallardo, *Mechanical Engineer*
Jaime Gómez, *Accounting Assistant*
Danilo González, *Magellan Maintenance Support*
Consuelo González, *Telescope Assistant*²²
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*
Victor 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*²³
David Verdugo, *Chef*
Emilio Weinberger, *Mechanical Engineer*²⁴
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 Amorin, *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 Valparaiso, 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*
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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*
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Veronica Firpo, *Universidad de La Serena, Chile*
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Erin Flowers, *Princeton University*
Adi Foord, *University of Michigan*
Wendy Freedman, *The University of Chicago*
Heinz Freljij, *Universidad de Concepción, Chile*
Danielle Frostig, *Massachusetts Institute of Technology*
Carla Fuentes, *Universidad de Concepción, Chile*
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Juan Garces, *Universidad de Concepción, Chile*
Tyler Gardner, *University of Michigan*
Bartosz Gauza, *Universidad de Chile*
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Mike Gladders, *The University of Chicago*
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Danilo Gonzalez, *Universidad 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*
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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*
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Erin Kadofong, *Princeton University*
Devika Kamath, *Macquarie University, Australia*
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Geraint Lewis, *University of Sydney, Australia*
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Ting Li, *The University of Chicago*
Jiangtao Li, *University of Michigan*
Dongwook Lim, *Yonsei University, Korea*
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Ilaria Lonoce, *The University of Chicago*
Sebastian Lopez, *Universidad de Chile*
Bethany Ludwing, *University of Toronto, Canada*
Jianwei Lyu, *The University of Arizona*
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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, *Universidad Católica del Norte, Chile*
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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*
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Nathan Smith, *The University of Arizona*
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Yingyi Song, *University of Michigan*
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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 Valparaíso, 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 Ulaczyk, *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 Weaver, *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

¹⁹ From May 20, 2019

²⁰ From May 13, 2019

²¹ To March 30, 2019

²² From June 21, 2019, formerly Night Assistant

²³ From June 4, 2019

²⁴ To January 22, 2019

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)*
Wuttisak 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)*
Kanakano 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 Velloso-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)*

YEARBOOK DTM Personnel July 1, 2018 – June 30, 2019

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 Fellow*¹
Elodie Brothelande, *Carnegie Postdoctoral Fellow*²
Fabo Feng, *Carnegie Postdoctoral Fellow*³
Jonathan Gagné, *Sagan Postdoctoral Fellow*⁴
Douglas Hemingway, *Carnegie Postdoctoral Fellow*⁵
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 Fellow*⁶
Andrea Patzer, *Postdoctoral Fellow, NASA*⁷

Bradley Peters, *Carnegie Postdoctoral Fellow*⁸
Jesse Reimink, *Postdoctoral Fellow, NSF*⁹
My Riebe, *Postdoctoral Fellow, NASA*¹⁰
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*¹¹

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*¹²
Gary A. Bors, *Facility Manager*
Madeline Burris, *Program Manager, Geochemical Society*¹³
Janice S. Dunlap, *Assistant to the Director*
Mary Ferranti, *Library Technical Specialist/Digital Asset Curator*¹⁴

Pablo D. Esparza, *Maintenance Technician*¹⁵
Asaf O. Gelber, *Membership Manager, The Geochemical Society*¹⁶
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*¹⁷
Quintin 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*¹⁸
Brian P. Schleigh, *Electronic Design Engineer*
Jianhua Wang, *Senior Research Scientist and SIMS Lab Manager*
Cian Wilson, *Computational Scientist*
Merri Wolf, *Library Technical Assistant*¹⁹
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*
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*
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*
Liyang 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*

¹To 30 June 2019

²From 1 August 2018 to 31 July 2019

³From 1 November 2018

⁴To 31 July 2018

⁵From 1 October 2018

⁶From 1 September 2018 to 2 August 2019

⁷From 1 November 2018

⁸To 31 December 2018

⁹To 25 July 2019

¹⁰To 31 December 2018

¹¹To 30 June 2019

¹²From 1 August 2018 to 28 January 2019

¹³From 3 June 2019

¹⁴From 10 December 2018

¹⁵Deceased 9 November 2018

¹⁶To 14 June 2019

¹⁷To 31 August 2018

¹⁸From 1 May 2019 to 19 July 2019

¹⁹To 31 December 2018

*Deceased 5 September 2018