

DEPARTMENT OF EMBRYOLOGY

July 1, 2015 – June 30, 2016

Staff Members

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

Staff Associates

Christoph Lepper
Zhao Zhang

Postdoctoral Fellows and Associates

Haiyang Chen, Postdoctoral Associate
¹³Amanda Chicoli, Postdoctoral Fellow
Jung-Hwa Choi, Postdoctoral Fellow
²⁰Ankita Das, Postdoctoral Fellow
Steven DeLuca, Postdoctoral Associate
Svetlana Deryusheva, Visiting Scientist
³Kun Dou, Postdoctoral Fellow
Erik Duboué, Postdoctoral Fellow
Megha Ghildiyal, Postdoctoral Associate
¹⁰Lakshmi Gorrepati, Postdoctoral Associate
Ethan Greenblatt, Postdoctoral Fellow
Jiabiao Hu, Postdoctoral Associate
Yuejia Huang, Postdoctoral Fellow
¹⁴Hao Jiang, Postdoctoral Fellow
⁴Shiying Jin, Postdoctoral Fellow
Ming-Chia Lee, Postdoctoral Associate
⁴Lei Lei, Postdoctoral Associate
Robert Levis, Special Investigator
⁵Wenbin Liu, Visiting Scientist
⁸Vicki Losick, Postdoctoral Associate
Siew Hui Low, Postdoctoral Associate
¹¹Sungjin Moon, Postdoctoral Associate
Zehra Nizami, Postdoctoral Fellow
¹⁵Kirti Prakash, Postdoctoral Associate

Jessica Otis, Postdoctoral Fellow
Matthew Sieber, Postdoctoral Fellow
Sheryl Southard, Postdoctoral Associate
²Anne Tannenhaus, Postdoctoral Fellow
Joseph Tran, Postdoctoral Associate
³Chenhui Wang, Postdoctoral Associate
¹⁶Micah Webster, Postdoctoral Fellow
Meredith Wilson, Postdoctoral Fellow
Zheng-an Wu, Special Investigator
¹²Erin Zeituni, Carnegie Collaborative Postdoctoral Fellow
¹⁵Huijie Zhao, Postdoctoral Associate
Xiaobin Zheng, Postdoctoral Fellow

Predoctoral Fellows and Associates

Jui-Ko Chang, The Johns Hopkins University
Valeriya Gaysinskaya, The Johns Hopkins University
Pavol Genzor, The Johns Hopkins University
⁴Yuxuan Guo, The Johns Hopkins University
Tyler Harvey, The Johns Hopkins University
Liangji Li, The Johns Hopkins University
Lydia Li, The Johns Hopkins University
Lin Lin, University of Massachusetts Medical Center
Rebecca Obniski, The Johns Hopkins University
Vanessa Quinlivan-Repasi, The Johns Hopkins University
Sara Roberson, The Johns Hopkins University
²Michelle Rozo, The Johns Hopkins University
Gaelle Talhouarne, The Johns Hopkins University
James Thierer, The Johns Hopkins University
¹⁴Crystal Wall, The Johns Hopkins University
¹⁷Han Xiao, The Johns Hopkins University
Sibiao Yue, The Johns Hopkins University

Supporting Staff

Jen Anderson, Research Scientist
Mary Best, Business Manager
^{5, 20}Shoshana Brody, Student Laboratory Assistant
¹⁸Jennifer Brubaker, Research Technician
⁴Nicole Bush, Student Laboratory Assistant
Valerie Butler, Carnegie Science Outreach Coordinator
²Blake Caldwell, Research Technician
Patricia Cammon, Glasswash Assistant
Madeline Cassani, Research Technician
Jean-Michael Chanchu, Research Technician

⁴Jocelyn Chang, Student Laboratory Assistant
Dolly Chin, Administrative Assistant
^{3,14}Huston Collins, Student Laboratory Assistant
⁹Aiden Danoff, Animal Technician
Ebrahim Darvish, Animal Technician
Carol Davenport, HHMI Research Technician III
Eugenia Dikovskaia, Animal Facility Manager
⁴Lisa Evans, Student Laboratory Assistant
⁵Syeda Fatima, Student Laboratory Assistant
⁹Jorge Sulca Flores, Animal Technician
⁹Ryan Galloway, Student Laboratory Assistant
Rachel Guess, Student Laboratory Assistant
Chandra Harvey, Carnegie Science Outreach Coordinator
Ed Hirschmugl, Information Systems Administrator
Lynne Hugendubler, Research Technician
²⁰Nealyn Jahangir, Student Laboratory Assistant
Connie Jewell, Information Systems Administrator
Glenese Johnson, Glasswash Assistant
Rejeanne Juste, Research Technician
¹⁴Minhi Kang, Student Laboratory Assistant
^{3,20}Merixia Kunjal, Student Laboratory Assistant
⁴Isaac Kim, Student Laboratory Assistant
Gennadiy Klimachev, Animal Technician
Bill Kupiec, Information Systems Manager
³Nguyet Le, Student Laboratory Assistant
Michelle Macurak, Research Technician
Safia Malki, Research Scientist
Ona Martin, Research Technician
Kiera Mason, Student Laboratory Assistant
^{1, 4}Esther Meisler, Student Laboratory Assistant
²⁰Tom McDonaugh, Facilities Manager
Marlow Minor, Animal Technician
Pedram Nozari, Animal Technician
⁷Erini Papas, Student Laboratory Assistant
Allison Pinder, HHMI Research Technician III
¹⁴Jack Pinder, Laboratory Assistant
⁴Kelsey Pitts, Student Laboratory Assistant
²⁰Earl Potts, Animal Technician
Christine Pratt, HHMI Administrative Coordinator
Sarina Raman, Student Laboratory Assistant
Wilber Ramos, Animal Technician
⁹David Reynolds, Research Technician
²⁰Oscar Reyes, Student Laboratory Assistant
Andrew Rock, Animal Technician
Samantha Satchell, Research Technician
¹⁶Teddi Schott, HR and Procurement Administrator

Michael Sepanski, Electron Microscopy Technician
Maggie Shen, Research Technician
Mahmud Siddiqi, Microscope Specialist
⁴Blair Smith, Student Laboratory Assistant
Kevin Smolenski, Shop
²⁰Loretta Steffy, Accounting Assistant
¹⁷Hannah Sutherland, Student Laboratory Assistant
⁴Megha Talur, Student Laboratory Assistant
Fred Tan, Bioinformatics Staff Scientist
Carmen Tull, Animal Technician
Robert Vary, Carnegie Science Outreach Educator
Simen Vlasov, Animal Technician
⁴Kevin Wang, Student Laboratory Assistant
Shusheng Wang, Research Scientist
Sean Watson, Asst. Facility Manager
⁴Kate Whitaker, Student Laboratory Assistant
Dianne Williams, HHMI Research Technician III
³Wu Xiao, Student Laboratory Assistant

Visiting Investigators and Collaborators

Hugo Bellen, *Baylor College of Medicine, Texas*
Steven Ekker, *Department of Genetics, Cell Biology, and Development, University of Minnesota Medical School*
Samer Hattar, *Department of Biology, The Johns Hopkins University, Baltimore*
Roger Hoskins, *Lawrence Berkeley National Laboratory, San Francisco*
Rainer Kaufmann, *Kirchhoff Institute for Physics (KIP), University of Heidelberg, Germany*
Cecilia Moens, *Fred Hutchinson Cancer Research Center, Washington*
Karen Oogema, *European Molecular Biology Laboratory, Germany*
Michael Pack, *Department of Medicine, University of Pennsylvania*
Michael Parsons, *Departments of Surgery and Oncology, The Johns Hopkins University School of Medicine, Baltimore*
John Rawls, *Department of Cell and Molecular Physiology, University of North Carolina*
Gerald M. Rubin, *Howard Hughes Medical Institute, Janelia Farm Research Campus, Virginia*
Didier Stainier, *University of California, San Francisco*

- 1 – From July 2015
- 2 – To July 2015
- 3 – From August 2015
- 4 – To August 2015
- 5 – From September 2015
- 6 – To September 2015
- 7 – From October 2015
- 8 - To December 2015
- 9 – From January 2016

- 10- To January 2016
- 11 – From February 2016
- 12 – To February 2016
- 13 – From March 2016
- 14 – To March 2016
- 15 – From April 2016
- 16 – To April 2016
- 17 – From May 2016
- 18 – To May 2016
- 19 – From June 2016
- 20 – To June 2016

Year Book 15-16

Geophysical Laboratory

Staff Scientists

George D. Cody, *Acting Director*
Ronald E. Cohen
Yingwei Fei
Alexander F. Goncharov
Robert M. Hazen
Russell J. Hemley¹
Ho-kwang Mao
Bjørn O. Mysen
Douglas Rumble III
Anat Shahar
Andrew Steele
Timothy A. Strobel
Viktor V. Struzhkin

Research Scientists

Muhetaer Aihaiti, *CDAC, ONR, NSF*
Reinhard Boehler, *EFree, DOE, WDC*
Xiao-Jia Chen, *HPSTAR*
Dionysis Foustakos, *NSF, NASA*
Stephen A. Gramsch, *DOE Programs Coordinator*
Kadek Hemawan, *CDAC, WDC, EFree*
Sergey Lobanov, *NSF*
Yufei Meng, *NSF, HPSTAR*
Ivan Naumov, *CDAC*
Craig Schiffries, *Director, DCO*
Jinfu Shu, *Carnegie (DOE, CDAD)*
Maddury Somayazulu, *CDAC, EFree*
Chang-Sheng Zha, *CDAC, DOE*

Support Staff

John Armstrong, *Microbeam Specialist*²
Maceo T. Bacote, *Building Engineer*³
Gary A. Bors, *Facility Manager*⁴
Emma Bullock, *Microbeam Specialist*
Pablo D. Esparza, *Maintenance Technician*⁵
Dyanne Furtado, *Staff Accountant*
Paul Goldey, *Electronics/Microbeam Specialist*
Shaun J. Hardy, *Librarian*⁶
Stephen Hodge, *Instrument Maker*
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*
Michael Meyer, *Project Science Manager*⁷
Quintin Miller, *Building Engineer Apprentice*⁸
Trong T. Nguyen, *Assistant Controller*
Aline Niyonkuru, *Assistant to the Director*⁹
Morgan D. Phillips, *CDAC and EFree Administrator/Assistant*
Gefei Qian, *IT/IS Administrator*
Michelle Scholtes, *Webmaster/Event Coordinator*
Gabor Szilagy, *Information Systems Manager*
Helen Venzon, *Accounts Payable Specialist*
Seth Wagner, *Machine Shop Apprentice*
Merri Wolf, *Library Technical Assistant*¹⁰

Postdoctoral Fellows and Postdoctoral Associates

Michael Ackerson, *Carnegie Fellow*¹¹
Abhisek Basu, *Postdoctoral Associate, NSF, EFree*¹²
Neil Bennett, *Carnegie Fellow*
Zhixue Du, *Carnegie Fellow*¹³
Megan Duncan, *Postdoctoral Associate, NSF*¹⁴
Venkata Srinu Bhadram, *Postdoctoral Associate, EFree*
Stephen Elardo, *Postdoctoral Associate, NSF*
Charlene Estrada, *Postdoctoral Associate, Hazen Fund*¹⁵
Cécile Feuillie, *Postdoctoral Associate, NAI*¹⁶
Zachary Geballe, *Carnegie Fellow*
Hitoshi Gomi, *Postdoctoral Associate, NASA*¹⁷
Huiyang Gou, *Postdoctoral Associate, DARPA*¹⁸
Daniel Hummer, *Postdoctoral Associate, DCO*
Colin Jackson, *Carnegie Fellow*
Lei Kang, *Carnegie Fellow*¹⁹
Duck Young Kim, *Postdoctoral Associate, EFree*²⁰
Jabrane Labidi, *Carnegie Fellow*²¹
Charles Le Losq, *Carnegie Fellow*²²
Yangzheng Lin, *Postdoctoral Associate, NSF, DARPA, DCO*
Chao Liu, *Postdoctoral Associate, Keck*
Hanyu Liu, *Postdoctoral Associate, EFree*
Shi Liu, *Carnegie Fellow*²³
Xiaoming Liu, *Postdoctoral Associate, Sloan Foundation*
Sergey Lobanov, *Postdoctoral Associate, NAI, DARPA, NSF*
Irena Mamajanov, *Simons Fellow*²⁴
Ajay Mishra, *Postdoctoral Associate, DOE*²⁵
Takaki Muramatsu, *Postdoctoral Associate, CDAC, EFree*

Andrew Needham, *Postdoctoral Associate, NASA*
Javier Francisco Nossa Marquez, *Postdoctoral Associate, ONR??*
Ileana Pérez-Rodríguez, *C-DEBI Fellow, NAI*²⁶
Corliss Kin I Sio, *Carnegie Fellow*
Jocelyn Rodgers, *Postdoctoral Associate, CDAC, DCO*²⁷
Stevce Stefanoski, *Postdoctoral Associate, DARPA???*
Fuhai Su, *Postdoctoral Associate, DARPA*²⁸
Hiroyuki Takenaka, *Postdoctoral Associate, ONR*
Rajasekarakumar Vadapoo, *Postdoctoral Associate, ONR*
Qianqian Wang, *Postdoctoral Associate, DARPA*
Matthew Ward, *Postdoctoral Associate, DARPA*²⁹
Jianjun Ying, *GL-HPSTAR Postdoctoral Associate, DOE???*
Haidong Zhang, *Postdoctoral Associate, DARPA, NAI, EFree*
Peng Zhang, *Postdoctoral Associate, NSF*³⁰
Zhisheng Zhao, *Carnegie Fellow, DARPA*
Li Zhu, *Postdoctoral Associate, DARPA*³¹

High Pressure Collaborative Access Team (HPCAT)

Ligang Bai, *Postdoctoral Associate, HPCAT*³²
Genevieve Boman, *Beamline Associate, HPCAT*³³
Arun Kumar S. Bommanavar, *Beamline Control Scientist, HPCAT*
Paul Chow, *Beamline Scientist, HPCAT*
Binyang Hou, *Postdoctoral Associate, HPCAT*
Freda Humble, *Project Administrator, HPCAT*
Rostislav Hrubyak, *Postdoctoral Associate, HPCAT*
Daijo Ikuta, *Beamline Associate, HPCAT*
Cheng Ji, *Postdoctoral Associate, HPSynC*
Curtis Kenney-Benson, *Beamline Associate, HPCAT*
Yoshio Kono, *Research Scientist, HPCAT*
Rui Li, *Postdoctoral Associate, HPCAT*³⁴
Chuanlong Lin, *Postdoctoral 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*
Stanislav Sinogeikin, *Associate Director, HPCAT*
Jesse Smith, *Associate Beamline Scientist, HPCAT*
Viktor Struzhkin, *Executive Director, HPCAT*
Lin Wang, *GL-HPSTAR Research Scientist, HPSynC*
Yuming Xiao, *Beamline Scientist, HPCAT*
Jianjun Ying, *Postdoctoral Associate, HPCAT*³⁵
Shengqi Chu, *Visiting Scientist, HPCAT*³⁶

High School Interns Summer 2016 (Geophysical Laboratory-Washington, DC)

Luca Barton-Cain, *Berkshire Waldorf High School*³⁷
Hope Harrison, *St. Andrews Episcopal School*³⁸
Juliana Lu- Yang, *Montgomery Blair High School*³⁹

Raphi Rose, *Richard Montgomery High School*⁴⁰
Kapp S Singer, *Lick-Wilmerding High School in San Francisco*⁴¹

High Pressure Collaborative Access Team (HPCAT Summer Interns 2015-2016)

Michael Zhang, *Summer Intern, HPCAT*⁴²
Eric Lo, *Summer intern, HPCAT*⁴³
Alan Xue, *Summer intern, HPCAT*⁴⁴
Chris Chen, *Summer intern, HPCAT*⁴⁵
Sammy Pan, *Summer intern, HPCAT*⁴⁶
Christian Fu, *Summer intern, HPCAT*⁴⁷
Cerie Ock, *Summer intern, HPCAT*⁴⁸

Visiting Investigators (Washington, DC)

Nicholas Holtgrewe, *Howard University*
Tomasz Jaron, *University of Warsaw, Poland*
Naira Martirosyan, *V.S. Sobolev Institute of Geology and Mineralogy, Novosibirsk, Russia*⁴⁹
Todd Zapata, *Texas A&M University*
Xiao-Miao Zhao, *South China University of Technology, PR China*
Matthieu Galvez, *Eidgenössische Technische Hochschule, Switzerland.*⁵⁰
Caitlin Murphy, *Formal GL Postdoctoral Fellow*⁵¹
Verena Starke, *Unaffiliated*⁵²
Mihaela Glamoclija, *Rutgers University*⁵³
Kosala Sirisena, *Rutgers University*⁵⁴
Irena Mamajanov, *Tokyo Institute of Technology, in Japan*⁵⁵
Shuqing Jiang, *Institute of Solid State Physics, PR China*⁵⁶
Xiaowei Sun, *Lanzhou Jiaotong University, PR China*⁵⁷
Chaitanya Giri, *Tokyo Institute of Technology, in Japan*⁵⁸

Visiting Investigators (Geophysical Laboratory, HPCAT)

Shengqi Chu, *Visiting Scientist*⁵⁹
Qian Li, *Visiting Investigator*⁶⁰
Quanjun Li, *Visiting Investigator*⁶¹
Taeho Kim, *Visiting investigator*⁶²
Seung Hyun Kim, *Visiting investigator*⁶³

¹To January, 31, 2016

²To March 17, 2016

³Joint Appointment with DTM

⁴Joint Appointment with DTM

⁵Joint Appointment with DTM

⁶Joint Appointment with DTM

⁷From July 1, 2015

⁸Joint Appointment with DTM

⁹From December 1, 2015

¹⁰Joint Appointment with DTM

¹¹ From August 24, 2015
¹² From September 30, 2015
¹³ From September 10, 2015
¹⁴ From October 26, 2015
¹⁵ From January 27, 2016
¹⁶ To September 30, 2015
¹⁷ To December 15, 2015
¹⁸ From October 1, 2015
¹⁹ From October 20, 2015
²⁰ To December 4, 2015
²¹ To October 15, 2015
²² To September 25, 2015
²³ From September 1, 2015
²⁴ To December 23, 2015
²⁵ From December 16, 2015
²⁶ To August 27, 2015
²⁷ From September 16, 2015
²⁸ To February, 2015
²⁹ From October 1, 2015
³⁰ To August 7, 2015
³¹ From December 7, 2015
³² To March 4, 2016
³³ To May 13, 2016
³⁴ To September 22, 2015
³⁵ From November 23, 2015
³⁶ To March 31, 2016
³⁷ To June 3, 2016
³⁸ To August 26, 2016
³⁹ To August 26, 2016
⁴⁰ To August 24, 2016
⁴¹ To June 23, 2016
⁴² To July 29, 2016
⁴³ To July 29, 2016
⁴⁴ To August 17, 2015
⁴⁵ To August 14, 2015
⁴⁶ To July 2, 2015
⁴⁷ To August 7, 2015
⁴⁸ To August 15, 2015
⁴⁹ To November 30, 2015
⁵⁰ To October 27, 2015
⁵¹ To August 27, 2015
⁵² To July 1, 2015
⁵³ From May 1, 2016
⁵⁴ From May 1, 2016
⁵⁵ From January 30, 2016
⁵⁶ From June 19, 2016
⁵⁷ From June 19, 2016

⁵⁸ From June 21, 2017

⁵⁹ To March 31, 2016

⁶⁰ To September 11, 2016

⁶¹ From August 3, 2016

⁶² To October 20, 2015

⁶³ To October 20, 2015

Personnel 2015-2016
July 1, 2015 to June 30, 2016

Department of Global Ecology

Research Staff Members

Gregory Asner
Joseph A. Berry
Kenneth Caldeira
Christopher B. Field, *Director*
Anna Michalak

Postdoctoral Fellows and Associates

Rebecca Albright, *Research Associate, Fund for Innovative Climate and Energy Research* (from Aug 10, 2014 – June 29, 2016)
Jomar Barbosa, *Research Associate*, (Dec. 1st 2014- present)
Christopher Balzotti, *Research Associate* (March 16, 2015- present)
Paulo Brando, *Research Associate, NSF* – (left May, 31st 2015)
Monalisa Chatterjee, *Research Associate, USGCRP, Grantham Foundation for the Protection of the Environment* (to Sep 15, 2014- May 1, 2015)
Min Chen, *Postdoctoral Researcher, Carnegie Institution*
Andrew Davies, *Research Associate, Mellon Foundation* (from Nov. 1st 2014)
Dario Del Giudice, *Research Associate, Carnegie Institution* (from Nov. 2015)
Yuanyuan Fang, *Research Associate, NASA, DOE*
Ari Kornfeld, *Research Associate, Carnegie Institution*
Lester Kwiatkowski, *Research Associate, Fund for Innovative Climate and Energy Research*
Chao Li, *Research Associate, NSF*
Robin Martin, *Research Associate, MacArthur Foundation*
David Marvin, *Research Fellow, Carnegie Institution*
Summer Praetorius, *Research Associate, Fund for Innovative Climate & Energy Research*
Miller, Scot, *DGE Fellow*, (July 1st 2015 - present)
Kate Ricke, *Research Associate, Fund for Innovative Climate and Energy Research Fellow, Carnegie Institution*
Soheil Shayegh, *Research Associate, Fund for Innovative Climate and Energy Research* (Sep 1, 2014 – Aug 1, 2016)
Yui Takeshita, *Research Associate, Carnegie Institution*
Jovan Tadic, *Research Associate, NASA*
Nicholas Vaughn, *Research Associate*, (Sep 1, 2014 - present)
Xiaochun Zhang, *Research Associate, Fund for Innovative Climate and Energy Research*
Kai Zhu, *Research Associate, Max Planck*

Predoctoral Fellows and Associates

Christa Anderson, *Stanford University* (from September 15, 2014)

Grayson Badgely, *Stanford University*

K. Dana Chadwick, *Stanford University*

Joann de Zegher, *Stanford University* (prefers last name to be listed under “d” not “z”)

Luis Fernandez, *Stanford University*

Emily Francis, *Stanford University* (from September 15, 2014)

Jeff Ho, *Stanford University*

Kelly McManus, *Stanford University*

Nina Randazzo, *Stanford University* (from Nov. 2015 - present)

Yoichi Shiga, *Stanford University*

Eva Sinha, *Stanford University*

Aaron Strong, *Stanford University*

Visiting Investigators

Nils Hase, *University of Bremen* (from Oct – Dec, 2015)

Mostafa Jafari, (from Jan. 18 to Mar 1, 2015)

Eric Kissel, *Intergovernmental Panel on Climate Change*

Katharine Mach, *Intergovernmental Panel on Climate Change*

Jomar Magalhaes, *University of São Paulo* (from 3/28/2015)

Michael Mastrandrea, *Intergovernmental Panel on Climate Change* (from March 28, 2015)

Caroline Nobrega,

Geeta Persad, *Princeton University*

Friedemann Reum, *Max Planck Institute for Biogeochemistry* (From June 1st – Aug 31, 2016)

Maria Rugenstein, *ETH Zurich*

Mary Whelan, *UC Merced* (from Jun. 30, 2014 - present)

Leslie White, *Intergovernmental Panel on Climate Change*

Supporting Staff

Christopher Anderson, *Laboratory Technician*

Eren Bilir, *Research Assistant and Operations Specialist*

Michael Dini, *Laboratory Technician* (August 31, 2014)

Yuka Estrada, *Web & Graphics Specialist*

Patrick Freeman, *Research and Administrative Assistant* (from June 8, 2015 – present)

Bill Hayes, *Technician* (from Feb. 9, 2015)

David Knapp, *Senior Laboratory Technician*

Xuemei Qiu, *Scientific Programmer* (left July, 2016)

Dawn Ross, *Executive Assistant*

Sinan Sousan, *Staff Computer Programmer*

Todd Tobeck, *Laboratory Manager*

Wilson Torres, *Undergraduate Research Assistant*

The Observatories

Staff Scientists

Andrew Benson¹
Rebecca Bernstein
Alan Dressler, *Staff Member Emeritus*²
Luis Ho³
Juna Kollmeier
Patrick McCarthy
Andrew McWilliam
John Mulchaey, *Director*
Andrew Newman⁴
Augustus Oemler, Jr., *Director Emeritus*
Eric Persson
Mark Phillips, *Director, Las Campanas Observatory*
George Preston, *Director Emeritus*
Michael Rauch
Gwen Rudie⁴
François Schweizer, *Staff Member Emeritus*
Stephen Sheckman
Joshua Simon
Ian Thompson
Ray Weymann, *Director Emeritus*

Research Associates

Christopher Burns, *Research Associate*⁵
Jeffrey Crane, *Staff Associate*⁵
Dan Kelson, *Staff Associate*
Barry Madore, *Senior Research Associate*
Anthony Piro, *Staff Associate*⁶

Postdoctoral Fellows and Associates

Katherine Alatalo, *Hubble Fellow*⁷
Eduardo Bañados, *Carnegie-Princeton Fellow*⁸
Rachael Beaton, *Hubble Fellow*
Erika Carlson, *Research Assistant*⁹
Janet Colucci, *NSF Fellow*
Matías Díaz, *Carnegie-Chile Pre-Doctoral Fellow*¹⁰
Alessia Garofalo, *Research Assistant*¹¹
Terese Hansen, *Postdoctoral Research Associate*¹²
Mansi Kasliwal, *Carnegie-Princeton Fellow*¹³
Yu Lu, *Postdoctoral Research Associate*
Shannon Patel, *Postdoctoral Research Associate*
Marja Seidel, *Postdoctoral Research Associate*¹⁴

Victoria Scowcroft, *Senior Research Analyst*
Kevin Schlaufman, *Carnegie-Princeton Fellow*¹⁵
Mark Seibert, *Senior Research Analyst*
Benjamin Shappee, *Hubble Fellow*
Yue Shen, *Hubble Fellow*¹⁶
Laura Sturch, *Research Associate*¹⁷
Stephanie Tonnesen, *Carnegie-Nashman Fellow*
Jennifer van Saders, *Carnegie-Princeton Fellow*

Las Campanas Research Staff

Mark Phillips, *Director, Las Campanas Observatory*¹⁸
David Osip, *Associate Director, Las Campanas Observatory*¹⁹

Las Campanas Fellows and Associates

Carlos Contreras, *Postdoctoral Fellow*
Gaston Folatelli, *Postdoctoral Fellow*

Las Campanas Resident Astronomer

Nidia Morrell, *Resident Astronomer*²⁰

Support Scientist

Andy Monson, *Instrumentation and Support Scientist*²¹

Supporting Staff, Pasadena

Christoph Birk, *Data Acquisition Programmer*
Jerson Castillo, *Instrument Maker*
Paul Collison, *Computer Systems Manager*
Jorge Estrada, *Electronics Technician*
Beverly Fink, *Assistant to the Director*
John Grula, *Head Librarian, Information Services/Publications Manager*
Tyson Hare, *Mechanical Engineer*
Charles Hull, *Opto-Mechanical Engineer*
Earl Harris, *Shipping and Receiving Specialist*
Sharon Kelly, *Senior Buyer*
Vincent Kowal, *Machine Shop Foreperson/Instrument Maker*
Becky Lynn, *Secretary*
Luis Ochoa Ramirez, *Accounts Payable Specialist*
Greg Ortiz, *Assistant, Buildings and Grounds*
Vgee Ramiah, *Business Manager*
Jeffery Rich, *Outreach Coordinator*²²
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*

Supporting Staff, Las Campanas

Gustavo Miriel Abarca, *Magellan Maintenance Support*

Carolina Alcayaga, *Purchasing Officer*²³

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*

Roberto Bermúdez, *Administrative Assistant*

Yuri Beletsky, *Magellan Instrument Support Scientist*

Andres Borquez, *Chef*

Konstantina Boutsia, *Magellan Instrument Scientist*²⁴

Luis Busta, *Carnegie Supernova Project*¹³

Jorge Bravo, *Magellan Instrument Specialist*

Alfredo Calderon, *Janitor*

Juan-Carlos Carrasco, *Driver/Purchaser*

Pedro Carrizo, *Plumber*

Jilberto Carvajal, *El Pino Guard*

Emilio Cerda, *Magellan Electronics Engineer*

Julio Cintolesi, *Assistant Engineer*²⁵

Andres Condore, *Electrician*

José Cortés, *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*

Consuelo González, *Night Assistant*²⁶

Danilo González, *Magellan Maintenance Support*

Luis González, *Janitor*

Erwin Guerra, *Carpenter*

Javier Gutiérrez, *Mechanical Technician Assistant*

Nelson Ibacache, *Mechanical Assistant*

Patricio Jones, *Magellan Electronics Engineer*

Ester Cortez Nelda Jucia, *Purchasing Officer*²⁷

Oscar Juica, *Plumber*

Eduardo Lizardi, *Administrative Assistant*

Angelica Leon, *Magellan Telescope Operator*

Gabriel Martin, *Magellan Instrument Specialist*

Mauricio Martinez, *Magellan Telescope Operator*

Jonathan Medalla, *Accountant*

Miguel Méndez, *Mechanical Technician*

Victor Meriño, *Magellan Instrument Specialist*
Manuel Millar, *Maintenance Support*
Adolfo Muen, *Night Assistant*
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*
Gabriel Prieto, *Programmer*
Félix Quiroz, *Mechanical Technician*
Andres Rivera, *Electronics Engineer*
Hugo Rivera, *Magellan Telescope Operator*
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*
Simon Torres, *Carnegie Supernova Project*²⁸
Manuel Traslaviña, *Heavy Equipment Operator*
Reinaldo Vega, *El Pino Guard*
Edgar Veléz, *Mechanic*
Sergio Veléz, *Supervisor of Mountain General Services*
David Verdugo, *Chef*
Jose Zamora, *Chef*

Visiting Investigators

Carlos Adean, *Observatório Nacional, Brazil*
Anton Afanasyev, *Lomonosov Moscow State University*
Munazza Alam, *Department of Terrestrial Magnetism, CIW*
Andres Almeida, *Universidad de La Serena, Chile*
Pia Amigo, *Pontificia Universidad Católica de Chile*
Vicenzo Anaclerio, *ASD Inc.*
Jorge Anais, *Pontificia Universidad Católica de Chile*
Mario Andrichettoni, *Microgate*
Patricia Arevalo, *Universidad de Valparaiso, Chile*
Henning Avenhaus, *Universidad de Chile*
Jeb Bailey, *University of Michigan*
Gaspar Bakos, *Princeton University*
Vivienne Baldassare, *University of Michigan*

Rodolfo Barba, *Universidad de La Serena, Chile*
Matthew Bayliss, *Harvard University*
Juan Carlos Beamin, *Universidad de Valparaiso, Chile*
Keith Bechtol, *University of Wisconsin-Madison*
Joao Bento, *The Australian National University*
Zach Berta-Thompson, *Massachusetts Institute of Technology*
Fuyan Bian, *The Australian National University*
Christian Moni Bidin, *Universidad Católica del Norte, Chile*
Bruce Bigelow, *Giant Magellan Telescope Organization*
William Blair, *The Johns Hopkins University*
Peter Blanchard, *Harvard University*
Lindsey Blemm, *Argonne National Laboratory*
Rongmon Bordoloi, *Massachusetts Institute of Technology*
Svyatoslav Borisov, *Lomonosov Moscow State University*
Antonin Bouchez, *Giant Magellan Telescope Organization*
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Richard Bower, *Durham University, United Kingdom*
Rafael Brahm, *Pontificia Universidad Católica de Chile*
Runa Briguglio, *Osservatorio Astrofisico di Arcetri, Italy*
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Federico Campuzano, *Instituto de Astrofísica de La Plata, Argentina*
Julio Carballo-Bello, *Pontificia Universidad Católica de Chile*
Giovanni Carraro, *European Southern Observatory*
Andrew Casey, *University of Cambridge, United Kingdom*
Sergio Castellon, *National Science Foundation*
Valentina Castillo, *Universidad Diego Portales, Chile*
Norberto Castro, *University of Michigan*
Daniel Catropa, *Smithsonian Astrophysical Observatory*
Peter Challis, *Harvard College Observatory*
Julio Chaname, *Pontificia Universidad Católica de Chile*
Hsiao-Wen Chen, *The University of Chicago*
Ping Chen, *Peking University, China*
Igor Chilingaryan, *Smithsonian Astrophysical Observatory*
Anirudh Chiti, *Massachusetts Institute of Technology*
Valentin Christiansen, *Universidad de Chile*
Alejandro Clocchiatti, *Pontificia Universidad Católica de Chile*
Laird Close, *The University of Arizona*
Alan Conder, *Smithsonian Astrophysical Observatory*
Rodrigo Contreras, *Pontificia Universidad Católica de Chile*
Carlos Contreras, *University of Hertfordshire, United Kingdom*
Thomas Cooper, *Massachusetts Institute of Technology*
Alex Correa, *European Southern Observatory*
Philip Cowperthwaite, *Harvard University*
Denija Crnojevic, *Texas Tech University*

Ian Czekala, *Harvard University*
William Dawson, *Lawrence Livermore National Laboratory*
Ricardo Demarco, *Universidad de Concepción, Chile*
Hannah Diamond-Lowe, *Harvard-Smithsonian, CfA*
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Megan Donahue, *Michigan State University*
Subo Dong, *Peking University, China*
Trent Dupuy, *The University of Texas at Austin*
Eiichi Egami, *The University of Arizona*
Andrea Egas, *Universidad de Chile*
Paul Eliot, *Universidad de Valparaíso, Chile*
Nestor Espinoza, *Pontificia Universidad Católica de Chile*
Rana Ezzeddine, *Massachusetts Institute of Technology*
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Veronica Firpo, *Universidad de La Serena, Chile*
Michael Florian, *The University of Chicago*
Kate Follette, *The University of Arizona*
Wen-Fai Fong, *The University of Arizona*
Francisco Foster, *Universidad de Chile*
Wendy Freedman, *The University of Chicago*
Heinz Freljij, *Universidad de Concepción, Chile*
James Frith, *NASA, Goddard Space Flight Center*
Carla Fuentes, *Universidad de Concepción, Chile*
Cesar Fuentes, *Universidad de Chile*
Irma Fuentes, *Universidad de Valparaíso, Chile*
Vanessa Fuica, *Universidad Diego Portales, Chile*
Gabor Furesz, *Massachusetts Institute of Technology*
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Daniel Garrido, *Universidad de La Serena, Chile*
Junqiang Ge, *The University of Arizona*
Claudio Germana, *Federal University of Maranhão, Brazil*
Mauro Giavalisco, *University of Massachusetts*
David Gilbank, *South African Astronomical Observatory, South Africa*
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Mariusz Gromadzki, *Universidad de Valparaíso, Chile*
Pietrzynski Grzegorz, *University of Warsaw*

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Kayhan Gultekin, *University of Michigan*
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Gergely Hajdu, *Pontificia Universidad Católica de Chile*
Sang Il Han, *Yonsei University, Korea*
Paul Harding, *Case Western Reserve University*
Fred Hearty, *Pennsylvania State University*
Edmund Hodges, *University of Michigan*
Seungsoo Hong, *Yonsei University, Korea*
John Hoot, *Software System Consulting Observatories*
Minhee Hyun, *Seoul National University, Korea*
Krystian Ilkiewicz, *Nicolas Copernicus Astronomical Center, Warsaw, Poland*
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Traci Johnson, *University of Michigan*
Evelyn Johnston, *European Southern Observatory*
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Boaz Katz, *Weizmann Institute of Science, Israel*
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Sang Chul Kim, *Korea Astronomy and Space Science Institute*
Jae-Woo Kim, *Seoul National University, Korea*
Yongjung Kim, *Seoul National University, Korea*
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Sally Oey, *University of Michigan*
Kyuseok Oh, *ETH Zürich, Switzerland*
Gabriel Oio, *University of Córdoba, Argentina*
Edward Olszewski, *The University of Arizona*
Erin Omalley, *Dartmouth College*
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Mike Padilla, *University of Michigan*

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Matthew Payne, *Smithsonian Astrophysical Observatory*
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Claudio Peña, *Universidad Diego Portales, Chile*
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Pawel Pietrukowicz, *University of Warsaw*
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Radek Poleski, *University of Warsaw*
Saraj Poudel, *University of South Carolina*
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Jose Sanchez-Gallego, *University of Washington*
Bastian Sanhueza, *Universidad de Chile*
Jesus Corral Santana, *Pontificia Universidad Católica de Chile*
Sara Saracino, *Universidad de Concepción, Chile*
Pal Sari, *Hungarian Astronomical Association, Hungary*

Conor Sayres, *Sloan Digital Sky Survey, Apache Point Observatory*
Conor Sayres, *University of Washington*
Luca Sbordone, *Pontificia Universidad Católica de Chile*
Paul Scheccter, *Massachusetts Institute of Technology*
Steve Schulze, *Pontificia Universidad Católica de Chile*
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Mirko Simunovic, *Pontificia Universidad Católica de Chile*
Rosalind Skelton, *South African Astronomical Observatory, South Africa*
Jan Skowron, *University of Warsaw*
Michael Skrutskie, *University of Virginia*
Nathan Smith, *The University of Arizona*
Bryan Smith, *The University of Arizona*
Yingyi Song, *University of Michigan*
Igor Soszynski, *University of Warsaw*
Meghin Spencer, *University of Michigan*
Brian Stalder, *Smithsonian Astrophysical Observatory*
Antony Stark, *Smithsonian Astrophysical Observatory*
Kevin Stevenson, *The University of Chicago*
Paul Stupik, *Giant Magellan Telescope Organization*
Vincent Suc, *Pontificia Universidad Católica de Chile*
Michal Szymanski, *University of Warsaw*
Monica Taormina, *Universidad de Concepción, Chile*
Nicolas Tejos, *Pontificia Universidad Católica de Chile*
Johanna Teske, *Department of Terrestrial Magnetism, CIW*
Cristina Thomas, *Planetary Science Institute*
Chris Tinney, *University of New South Wales, Australia*
Simon Torres, *National Science Foundation*
Ezequiel Treister, *Universidad de Concepción, Chile*
Juan Trujillo, *University of Washington*
Evan Tucker, *Carnegie Mellon University*
Monica Turner, *Massachusetts Institute of Technology*
Andrzej Udalski, *University of Warsaw*
Lidia Valdevenito, *Universidad Diego Portales, Chile*
Jaime Vargas, *Universidad de La Serena, Chile*
Amali Vaz, *The University of Arizona*
Sandro Villanova, *Universidad de Concepción, Chile*
Vicente Villanueva, *Universidad de Valparaíso, Chile*
Victoria Villar, *Harvard University*
Matthew Walker, *Carnegie Mellon University*
Feige Wang, *Peking University, China*
Kimberly Ward-Duong, *Arizona State University*

David Weaver, *Smithsonian Astrophysical Observatory*
Alycia Weinberger, *Department of Terrestrial Magnetism, CIW*
John Wilson, *University of Virginia*
Frank Winkler, *Middlebury College*
Rob Wittenmyer, *University of New South Wales, Australia*
Kenneth Wong, *National Astronomical Observatories, Chinese Academy of Sciences*
Marco Xompero, *Osservatorio Astrofisico di Arcetri, Italy*
Jinyi Yang, *Peking University, China*
Qian Yang, *The University of Arizona*
Fakhri Zahedy, *The University of Chicago*
Bartłomiej Zgirski, *Universidad de Concepción, Chile*
Hongxin Zhang, *Pontificia Universidad Católica de Chile*
Lan Zhang, *Universidad de Chile*
Ming Zhao, *Pennsylvania State University*
Zhenya Zheng, *Pontificia Universidad Católica de Chile*
Carlos Zuluaga, *Massachusetts Institute of Technology*

-
- ¹ From July 1, 2015, to Staff Astronomer;
formerly Staff Associate, George Ellery Hale Distinguished Scholar in Theoretical Astrophysics
- ² To December, 31, 2015; now Staff Member Emeritus
- ³ To June 30, 2016
- ⁴ From August 1, 2015, to Staff Astronomer;
formerly Carnegie Fellow, listed in Postdoctoral Fellows and Associates
- ⁵ Formerly listed in Postdoctoral Fellows and Associates
- ⁶ From August 1, 2015, George Ellery Hale Distinguished Scholar in Theoretical Astrophysics;
formerly Postdoctoral Associate, listed in Postdoctoral Fellows and Associates
- ⁷ From August 1, 2015
- ⁸ From November 1, 2015
- ⁹ From July 6, 2015
- ¹⁰ From August 1, 2015 to January 31, 2016
- ¹¹ To July 15, 2015
- ¹² From November 16, 2015
- ¹³ To August 31, 2015
- ¹⁴ From May 9, 2016
- ¹⁵ From September 1, 2015
- ¹⁶ To August 16, 2015
- ¹⁷ To November 10, 2015
- ¹⁸ From July 1, 2015; formerly Interim Director, also listed in Staff Scientists
- ¹⁹ From July 1, 2015; formerly Magellan Instrument Scientist;
listed in Supporting Staff, Las Campanas
- ²⁰ From July 1, 2015; formerly Visiting Scientist
- ²¹ To July 3, 2015
- ²² From May 1, 2016; formerly Postdoctoral Associate,
listed in Postdoctoral Fellows and Associates
- ²³ To July 5, 2015
- ²⁴ From May 12, 2016
- ²⁵ To October 30, 2015
- ²⁶ From September 14, 2015; formerly Research Assistant to September 11, 2015
- ²⁷ From August 17, 2015
- ²⁸ From November 2, 2015 to June 10, 2016

Plant Biology

Research Staff Members

M. Kathryn Barton
Winslow R. Briggs, *Director Emeritus*
José Dinneny
David Ehrhardt
Wolf B. Frommer, *Director*
Arthur R. Grossman
Seung Y. Rhee
Zhi-Yong Wang

Adjunct Staff

Devaki Bhaya
Matthew Evans

Young Investigator

Martin Jonikas

Senior Investigator

Theodore Raab

Visiting Investigators

Man Ao, *Northeast Normal University, China*¹
Yuval Kaye, *Ben-Gurion University of the Negev, Israel*
Yuyao Li, *Lanzhou University, China*
Ulrich Kutschera, *University of Kassel, Germany*
Yu Sun, *Hebei Normal University, China*²
Wenfei Wang, *Fujian Agriculture & Forestry University, China*³
Xuelian Yang, *Fujian Agriculture & Forestry University, China*⁴

Postdoctoral Fellows and Associates

Manevver Aksoy, *Carnegie Fellow*⁵
Cindy Ast, *NSF Postdoctoral Research Associate*
Michael Banf, *AIPI Postdoctoral Research Associate*
Flavia Bossi, *Carnegie Fellow*
Vanessa Castro-Rodriguez, *Gates Research Associate*⁶
Claudia Catalanotti, *Carnegie Fellow*⁷
Arvind Chavali, *NIH Postdoctoral Research Associate*⁸

¹ To December 8, 2015

² To March 25, 2016

³ To August 31, 2015

⁴ To September 15, 2015

⁵ To October 30, 2015

⁶ From July 1, 2015

⁷ To July 31, 2015

⁸ From January 2, 2016

Li-Qing Chen, *DOE Research Associate*⁵
 Antony Chettoor, *NSF Research Associate*
 Lily Cheung, *NSF Fellow*
 Chih-Wei Chien, *NSF Research Associate*⁹
 Sophie Clowez, *Moore Research Associate*
 Michele Davison, *NSF Research Associate*¹⁰
 Linda Duan – *DOE Postdoctoral Research Associate*
 Joon-Seob Eom, *NSF Postdoctoral Research Associate*
 Jian Fang, *DOE Postdoctoral Research Associate*¹¹
 Freidrich Fauser, *Carnegie Fellow*
 Wei Feng, *NSF Research Associate*
 Veder Garcia, *NSF Research Associate*
 Aurelie Grimault, *NSF Research Associate*
 Thomas Hartwig, *Carnegie Fellow*
 Cheng-Hsun Ho, *NSF Research Associate*¹²
 Samuel Hokin, *NSF Research Associate*
 Adam Idoine, *BARD Fellow*
 Haojie Jin, *NSF Postdoctoral Research Associate*
 Robert Jinkerson, *LSRF Fellow*
 Alexander Jones, *NSF Research Associate*¹³
 Rajnish Khanna, *Carnegie Fellow*¹⁴
 Taehyong Kim, *DOE Research Associate*⁷
 Thomas Kleist, *Carnegie Fellow*¹⁵
 Xiaobo Li, *NSF Research Associate*
 Jelmer Lindeboom, *Carnegie Fellow*
 Heike Lindner, *Carnegie Fellow*
 Tie Liu, *Carnegie Fellow*
 Yongxian Lu, *Carnegie Fellow*
 Luke Mackinder, *Carnegie Fellow*
 Masayoshi Nakamura, *Carnegie Fellow*
 Eunkyoo Oh, *Carnegie Fellow*¹⁶
 Chan-Ho Park, *Carnegie Fellow*
 Xiaoqing Qu, *NSF Research Associate*⁹
 Emanuel Sanz Luque, *Carnegie Fellow*⁸
 Shai Saroussi, *Vaadia-BARD Fellow*
 Joelle Schlapfer, *Syngenta Postdoctoral Research Associate*
 Pascal Schlapfer, *ETH Fellow*
 Jose Sebastian, *DOE Research Associate*
 Jebasingh Selvanayagam, *NSF Research Associate*
 Nidhi Sharma, *Carnegie Fellow*¹⁰
 Davide Sosso, *Syngenta Senior Associate*
 Tong-Seung Tseng, *NSF Research Associate*

⁹ To February 26, 2016

¹⁰ To June 30, 2016

¹¹ From June 1, 2016

¹² To October 16, 2015

¹³ To November 7, 2015

¹⁴ From April 1, 2016

¹⁵ From September 8, 2015

¹⁶ To February 14, 2016

Josep Vilarrasa-Blasi, *LSRF Fellow*¹¹
Ankit Walia, *Carnegie Fellow*¹⁷
Chuan Wang, *NSF Research Associate*⁹
Renate Weizbauer, *Carnegie Fellow*
TingTing Xiang, *Moore Research Associate*
Shouling Xu, *DOE Research Associate*¹⁸
Yuanhu Xuan, *NSF Research Associate*
Wenqiang Yang, *Carnegie Fellow*¹⁹
Yung-Il Yang, *NSF/Gates Foundation Research Associate*
Ru Zhang, *NIH Research Associate*
Jiaying Zhu, *NIH Research Associate*

Graduate Students, Interns²⁰ & Volunteers

Rosanna Chau, *Stanford University*
Vivian Chen, *Stanford University*
Aileen Dinh, *Intern*
Varun Dwaraka, *Intern*
Elizabeth Freeman, *Stanford University*
William Goudinho-Viana, *Intern*
Ronald Halim, *Intern*
Alan Itakura, *Stanford University*
Vasundhara Kandpal, *Intern*
Rick Kim, *Stanford University*
I Lin, *Stanford Student*
Jiangshu Liu, *Chinese Academy of Sciences, China*
Witchuhorn Phuthog, *Stanford University*
Matthew Prior, *Stanford University*
Neil Robbins II, *Stanford University*
Amy Tran, *Intern*
Tina Wang, *Intern*
Elizabeth Wiltshire, *Stanford University*
Tyler Wittkoff, *Stanford University*
Jeffrey Yen, *Intern*
Rick Zuzow, *Stanford University*

Supporting Staff

Hulya Aksoy, *AP Specialist*
Margaret Bezruczyk, *Laboratory Technician*
Kathryn Bump, *Business Manager*
Lance Cabalona, *Laboratory Assistant*
Avelino Carbajal, *Facilities Assistant*
Heather Cartwright, *Core Imaging Director*
Diane Chermak, *Senior Laboratory Technician*
Clayton Coker, *Laboratory Technician*
Susan Cortinas, *Grants Administrator*
Darryl Esposito, *Greenhouse Assistant*²¹

¹⁷ To December 31, 2015

¹⁸ To September 23, 2015

¹⁹ To February 3, 2016

²⁰ DPB Summer Intern Program runs May through September

Jessica Foret, *Laboratory Technician*
Bi-Huei Hou, *Laboratory Technician*
Garret Huntress, *IS Manager*
Nina Ivanova, *Lab Technician*²²
Shavon Jones-Mansaw, *IT Support Specialist*
Evana Lee, *Financial Analyst*
Hye In Nam, *Laboratory Technician*
Weronika Patena, *Laboratory Technician*
Sunita Patil, *Laboratory Technician*¹⁰
Jacob Robertson, *Laboratory Technician*
Maria Slade, *Accounts Payable Specialist*
Franklin Talavera-Rauh, *Laboratory Technician*
Theodore van de Sande, *Operations Manager*
Ismael Villa, *Facilities Assistant*
Faatuai Williams, *Accounts Payable Specialist*
Naoia Williams, *Accounts Payable Clerk/Purchasing Agent*
Dahlia Wist, *Greenhouse Manager*
Muh-Ching Yee, *Sr. Laboratory Manager*
Peifen Zhang, *Curator*

²¹ To August 8, 2015

²² To May 31, 2016

YEARBOOK DTM Personnel July 1, 2015 – June 30, 2016

Terrestrial Magnetism

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Erik H. Hauri
Alan T. Linde, *Emeritus*²
Larry R. Nittler
Diana C. Roman
I. Selwyn Sacks, *Emeritus*
Scott S. Sheppard
Steven B. Shirey
Sean C. Solomon, *Director Emeritus*³
Fouad Tera, *Emeritus*
Peter E. van Keken⁴
Lara S. Wagner
Alycia J. Weinberger

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Jacqueline Dixon, Dean, College of Marine Science at University of South Florida⁵

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Elizabeth Frank, *MESSENGER Postdoctoral Associate*⁹
Jonathan Gagné, *Sagan Fellow*¹⁰
Marion Garçon, *Carnegie Fellow; Scott Forbush Fellow; Harry Oscar Wood Fellow*¹¹
Nan Liu, *NASA Postdoctoral Associate; Postdoctoral Fellow*
Amanda Lough, *Postdoctoral Fellow*¹²
Miki Nakajima, *Postdoctoral Fellow*¹³
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Rita Parai, *Postdoctoral Fellow*¹⁵
John D. Platt, *Postdoctoral Fellow*¹⁶
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My Riebe, *NASA Postdoctoral Associate*¹⁸

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Myriam Telus, *Postdoctoral Fellow*¹⁹
Johanna K. Teske, *Joint DTM/Carnegie Observatories Origins Fellow*²⁰
Christopher J. Thissen, *Postdoctoral Fellow*²¹

Visiting Students and Collaborators

Anna Barth, *Lamont-Doherty Earth Observatory*
Bergur Bergsson, *Icelandic Meteorological Office*
Michael Gully-Santiago, *University of Texas, Austin*
Rosie Jones, *Oxford*
Dave Kuentz, *Miami University*
Pelele Bernard Lehloenya, *University of the Free State, South Africa*
Juliana Charao Marques, *Universidade Federal do Rio Grande do Sul*
Nicole Moore, *Oregon State University*
Manabu Morishige, *Kyoto University*
Carles Moyano-Camero, *Institute of Space Sciences, Barcelona*
Megan Newcombe, *Lamont-Doherty Earth Observatory*
Matthew Roberts, *Icelandic Meteorological Office*
Marc Spiegelman, *Columbia University*
Cian Wilson, *Columbia University*

Summer Interns

Sean Cody, *Bethesda Chevy Chase High School*
Beatrice Mackay, *University of New Mexico*
Isabella Marku, *McLean High School*
Robert Washington, III, *Bullis School; followed by Purdue University*

Supporting Staff

Michael J. Acierno, *IT/IS Manager/Systems Engineer*
Maceo T. Bacote, *Building Engineer*^{*}
Tyler Bartholomew, *Machinist Apprentice*
Gary A. Bors, *Facility Manager*^{*}
Michael J. Crawford, *Machinist, Instrument Maker*²²
Robin Dienel, *Webmaster & Outreach Coordinator*
Janice S. Dunlap, *Assistant to the Director*
Pablo D. Esparza, *Maintenance Technician*^{*}
Steven Golden, *Field Seismologist*
Shaun J. Hardy, *Librarian*^{*}
Mary F. Horan, *Geochemistry Laboratory Manager*
Sandra A. Keiser, *Scientific Computer Programmer/Systems Manager*
William E. Key, *Building Engineer*^{*}
Wan K. Kim, *Staff Accountant*
Kevin Johnson, *Chief Operating Officer, The Geochemical Society*
Casey Leffue, *Seminar and Events Coordinator*
Medina, Otto, *Building Engineer and Maintenance Apprentice*^{23*}
Quintin Miller, *Engineer Apprentice*^{*}

Timothy D. Mock, *Mass Spectrometry Laboratory Manager*
M.A. O'Donnell, *The Geochemical Society Membership Coordinator*²⁴
Ben K. Pandit, *Electronics Laboratory Manager*²⁵
Daniela D. Power, *Geophysical Research Assistant*
Brian P. Schleigh, *Electronic Design Engineer*
Terry L. Stahl, *Fiscal Officer*
Jianhua Wang, *Senior Research Scientist and SIMS Lab Manager*
Merri Wolf, *Library Technical Assistant**

Visiting Investigators List

Leonard Ancuta, *Lehigh University*
Guillem Anglada Escude, *Queen Mary University*
Pamela Arriagada, *University of Washington*
Marco Bagnardi, *University of Leed*
Paul Byrne, *North Carolina State University*
Alex Canitano, *Academia Sinica Taiwan*
Matías Díaz, *University of Chile*
Lynn Elkins, *University of Nebraska*
Glenn Gaetani, *Woods Hole Oceanographic Institution*
Jussi Heinonen, *University of Helsinki, Finland*
Berry Holl, *The Geneva Observatory at the University of Geneva*
Dmitri Ionov, *Université de Montpellier*
James Jenkins, *University of Chile*
Hugh Jones, *Hertfordshire University*
Christian Klimczak, *University of Georgia*
Marion Le Voyer, *Smithsonian, University of Maryland*
Jared Marske, *California*
David Mencin, *UNAVCO, Boulder*
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, *University of Quebec*
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*
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*
Shoshana Z. Weider, *Form and Content Media, U.K.*

¹From 1 August 2015

²From 31 July 2015

³On leave of absence

⁴From 1 January 2016

⁵March-April 2016, Tuve Lecture 7 April 2016

⁶To 15 September 2015

⁷To 31 August 2016

⁸To 31 May 2016

⁹To 14 April 2016

¹⁰From 3 September 2015

¹¹To 25 September 2015

¹²To August 2016

¹³From 1 December 2015

¹⁴From 1 September 2015

¹⁵To July 2016

¹⁶To 8 July 2016

¹⁷From 7 January 2016

¹⁸From 2 May 2016

¹⁹From 1 September 2015

²⁰To August 2016

²¹From 1 January 2016

²²To 8 January 2016

²³From 4 January 2016

²⁴From October 26, 2015

²⁵To January 8, 2016

*Joint DTM/GL employee

Administration Staff

Bianca Abrams, *Director of Math for America*
Benjamin Aderson, *General Counsel*¹
Cynthia Allen, *Director of Finance and Administration*²
Danielle Appleby, *Executive Assistant to the President*³
Benjamin Barbin, *Manager of Advancement Activities*
Shaun Beavan, *Information Systems Manager*
Lara Budeit, *Executive Assistant to the Chief Operating Officer*
Guy Brandenburg, *First Light Instructor and Middle School Mentor*
Don Brooks, *Building Maintenance Specialist*
Marjorie Burger, *Senior Financial Analyst*
Jessica Cima, *Administrative Services Manager*
Nibret Daba, *Database Administrator*
Timothy Doyle, *Chief Operating Officer*
Julie Edmonds, *Director, CASE*⁴
Shawn Frazier, *Accounting Technician*
Dina Freydin, *Senior Grants Accountant*
Alexis Fleming, *Building Operations & Special Events Manager*
Susanne Garvey, *Director, External Affairs*
Katia Grigoriants, *Manager CASE Strategic Partnerships and Development*
Becky Hudson, *Building Operations & Special Events Assistant Manager*
Cynthia Hunt, *Social Media Strategist*
Marlena Jones, *Coordinator of Programs, CASE*
Michael Kamuiru, *Web Developer*⁵
Yang Kim, *Deputy Financial Manager*
Loronda Lee, *Associate Director of Human Resources*⁶
Ana Lojanica, *Special Events & Building Coordinator*
Tamar Lolua, *Receptionist & Administrative Assistant*
Brian Loretz, *Senior Manager of Prospect Research*
Tina McDowell, *Editor & Publications Officer*
Ann McElwain, *Chief Development Officer*⁷
Natasha Metzler, *Science Writer*
Margaret Moerchen, *Science Deputy to the President*
Jessica Moore, *Associate Director of Financial Planning and Budgeting*⁶
June Napoco-Soriente, *Financial Accountant*
Alicia North, *Payroll Accountant*
Paul Penniman, *Assistant Director, Master Teacher Program*
Michael Pimenov, *Investment Director*
Brian Riegel, *Information Systems Support Specialist*³
Dione Rossiter, *Scientific Programs & Outreach Manager*
Gotthard Sághi-Szabó⁸
Rebecca Schwieger, *Associate Director and Controller, Finance*⁹
Matthew P. Scott, *President*
Maxine Singer, *Senior Scientific Advisor*
Harinder Singh, *Financial Systems Accountant*
Michael Stambaugh, *Chief Investment Officer*¹⁰
Irene Stirling, *Manager of Advancement Operations*
Brady Stovall, *Investment Analyst*¹¹
John Strom, *Multimedia Designer / Producer*
Yulonda White, *HR & Insurance Records Coordinator*

Jacqueline Williams , *Senior Asst. to the Associate Director of HR & Insurance/Alternate Responsible Officer,
Exchange Visitor Program*

¹ From August 15, 2016

² To January 4, 2016

³ To October 25, 2016

⁴ To July 1, 2016

⁵ To August 1, 2016

⁶ From September 28, 2015

⁷ From July 1, 2016

⁸ To July 31, 2016

⁹ From November 9, 2015

¹⁰ From March 28, 2016

¹¹ From August 15, 2016