

**Personnel listings from July 1, 2013 to June 30, 2014 as submitted by the departments of
Carnegie Institution for Science**

Embryology

Research Staff Members

Alexsky Bortvin
Donald D. Brown, Director Emeritus
Chen-Ming Fan
Steven Farber
Joseph G. Gall
Marnie Halpern
⁸Nicholas T. Ingolia
Allan C. Spradling, Director
Frederick Tan
Yixian Zheng

Staff Associates

⁴Jeffrey Han
Christoph Lepper

Postdoctoral Fellows and Associates

¹¹Alexandria Brown, Postdoctoral Associate (NIH Grant - Farber)
Haiyang Chen, Postdoctoral Associate (NIH Grant – Zheng)
Tagide deCarvalho, Postdoctoral Fellow (NRSA Postdoctoral Fellowship)
³Ankita Das, Postdoctoral Fellow/Associate (paid from a Zheng grant?)
Steven DeLuca, Postdoctoral Associate (HHMI through Feb 2014) & Postdoctoral Fellow (Helen Hay Whitney Fellowship from March 2014)
Svetlana Deryusheva, Visiting Scientist
Erik Duboué, Postdoctoral Associate (NIH Grant – Halpern)
Megha Ghildiyal, Postdoctoral Fellow (Jane Coffin Childs Fellowship)
³Antara Ghosh, Postdoctoral Fellow
Lakshmi Gorrepati, Postdoctoral Associate (NIH Grant – Lepper)
Ethan Greenblatt, Postdoctoral Fellow (Jane Coffin Childs Fellowship)
Elim Hong, Postdoctoral Associate (NIH Grant – Halpern)
⁴Axel Horn, Postdoctoral Associate (NIH Grant – Han)
¹⁸Troy Horn, Postdoctoral Fellow
⁹Shintaro Iwasaki, Postdoctoral Fellow (Japan Society Fellowship)
¹⁶Junling Jia, Postdoctoral Associate
Hao Jiang, Postdoctoral Fellow
Shiying Jin, Postdoctoral Associate (NIH Grant – Fan)

Youngjo Kim, Postdoctoral Associate (Ellison Medical Foundation – Zheng)

Ming-Chia Lee, Postdoctoral Associate (HHMI - Spradling)

Lei Lei, Postdoctoral Associate (HHMI - Spradling)

Robert Levis, Special Investigator, (NIH Grant - Spradling subcontract Baylor College of Medicine)

Zhonghua Liu, Postdoctoral Fellow

Vicki Losick, Postdoctoral Associate (HHMI - Spradling)

Siew Hui Low, Postdoctoral Associate (NIH Grant – Fan)

Safia Malki, Postdoctoral Fellow

⁴Oni Mapp, Postdoctoral Fellow

⁹Nicholas McGlincy, Postdoctoral Fellow

¹⁶Rosa Miyares, Postdoctoral Fellow

Zehra Nizami, Postdoctoral Fellow

Jessica Otis, Postdoctoral Fellow (NRSA Postdoctoral Fellowship)

Jun Wei Pek, Postdoctoral Fellow (Life Science Research Foundation Fellowship)

Matthew Sieber, Postdoctoral Fellow (Jane Coffin Childs Fellowship)

Sheryl Southard (formerly Murray), Postdoctoral Associate (NIH Grant – Lepper)

⁴Jianjun Sun, Postdoctoral Associate (Howard Hughes Medical Institute - Spradling)

Joseph Tran, Postdoctoral Fellow

Yihan Wan, Postdoctoral Fellow

Shusheng Wang, Postdoctoral Associate (NIH Grant - Zheng)

Micah Webster, Postdoctoral Fellow (NRSA Postdoctoral Fellowship)

Zheng-an Wu, Special Investigator (NIH Grant - Gall)

Erin Zeituni, Carnegie Collaborative Postdoctoral Fellow (Farber and Zheng)

Xiaobin Zheng, Postdoctoral Associate (NIH Grant – Zheng)

Predocctoral Fellows and Associates

Jui-Ko Chang, The Johns Hopkins University

Valeriya Gaysinskaya, The Johns Hopkins University

Pavol Genzor, The Johns Hopkins University

Yuxuan Guo, The Johns Hopkins University

⁹Michael Harris, The Johns Hopkins University

Tyler Harvey, The Johns Hopkins University

Liangji Li, The Johns Hopkins University

Lydia Li, The Johns Hopkins University

Weiren Liu, The Johns Hopkins University

⁸Alexis Marianes, The Johns Hopkins University

⁹Anna McGeachy, The Johns Hopkins University

⁹Eric Mills, The Johns Hopkins University

Rebecca Obniski, The Johns Hopkins University

Vanessa Quinlivan-Repasi, The Johns Hopkins University (NRSA Predocctoral Fellowship)

Sara Roberson, The Johns Hopkins University

Michelle Rozo, The Johns Hopkins University (NRSA Predoctoral Fellowship)

Abhignya Subedi, The Johns Hopkins University

Gaelle Talhouarne, The Johns Hopkins University

¹⁷James Thierer, The Johns Hopkins University (NSF Predoctoral Fellowship)

Crystal Wall, The Johns Hopkins University

²Blake Weber, The Johns Hopkins University

¹⁷Jordan White, The Johns Hopkins University

William Yarosh, The Johns Hopkins University

Sibiao Yue, The Johns Hopkins University

Supporting Staff

Arash Adeli, Animal Technician

Jen Anderson, Research Technician

Mary Best, Business Manager

¹⁵Melanie Brown, Student Laboratory Assistant

⁴Ivana Celic, Research Specialist

Valerie Butler, Carnegie Science Outreach Coordinator

Blake Caldwell, Research Technician

Patricia Cammon, Glasswash Assistant

Dolly Chin, Administrative Assistant

Steven Ching, Research Technician

Carol Davenport, Howard Hughes Medical Institute Research Technician III

Eugenia Dikovskaia, Animal Facility Manager

⁴Chun Dong, Research Scientist

³Mayah Dunston, Student Laboratory Assistant

Chandra Harvey, Carnegie Science Outreach Coordinator

Lynne Hugendubler, Research Technician

¹⁴Alice Hung, Student Laboratory Assistant

Ella Jackson, Howard Hughes Medical Institute Laboratory Helper

Connie Jewell, Microcomputer Support Specialist

Glense Johnson, Glasswash Assistant

Rejeanne Juste, Research Technician

¹⁴Aaron Katrikh, Student Laboratory Assistant

¹⁹Ayse Keskus, Student Laboratory Assistant

Gennadiy Klimachev, Animal Technician

¹⁹Gayatri Krishnan, Research Technician

Stephanie Kuo, Research Technician

Bill Kupiec, Information Systems Manager

^{1,6}Andrew Levitt, Student Laboratory Assistant

Michelle Macurak, Research Technician

Ona Martin, Research Technician

Tom McDonough, Facilities Manager
Marlow Minor, Animal Technician
¹⁴Estela Monge, Research Technician
Gregory Moore, Animal Technician
Pedram Nozari, Animal Technician
³Sophia Ottleben, Student Laboratory Assistant
¹⁹Nicholas Peltz, Student Laboratory Assistant
Allison Pinder, Howard Hughes Medical Institute Research Technician III
Earl Potts, Animal Technician
Christine Pratt, Howard Hughes Medical Institute Administrative Coordinator
¹⁴Ana Quintanal, Student Laboratory Assistant
Wilber Ramos, Animal Technician
Oscar Reyes, Student Laboratory Assistant
Andrew Rock, Animal Technician
Samantha Satchell, Research Technician
Teddi Schott, HR and Procurement Administrator
⁷Christopher Schott, Student Laboratory Assistant
Michael Sepanski, Electron Microscopy Technician
Mahmud Siddiqi, Microscope Specialist
¹Zachary Spencer, Student Laboratory Assistant
¹⁷Madison Stahr, Student Laboratory Assistant
Loretta Steffy, Accounting Assistant
Allen Strause, Machinist
Robert Vary, Carnegie Science Outreach Educator
Rafael Villagaray, Macintosh Support Specialist
³Simen Vlasov, Animal Technician
¹⁹Kevin Wang, Student Laboratory Assistant
Sean Watson, Asst. Facility Manager
^{12,13}Zachary Weston-Farber, Student Laboratory Assistant
¹⁰Kate Whitaker, Student Laboratory Assistant
Dianne Williams, Howard Hughes Medical Institute Research Technician III
⁵Macey Williams, Student Laboratory Assistant

Visiting Investigators and Collaborators

Rosa Alcazar, *Stanford University School of Medicine, California*
Hugo Bellen, *Baylor College of Medicine, Texas*
Robert Bittman, *Department of Chemistry and Biochemistry, Queens College of CUNY, New York*
Rémy Bordonné, *Institut de Génétique Moléculaire de Montpellier (IGMM), Université Montpellier, Montpellier, France*
Vitor Bortolo de Rezende, *Universidade Federal de Minas Gerais, Brazil*
Christoph Cremer, *Kirchhoff Institute for Physics (KIP), University of Heidelberg, Germany*
Steven Ekker, *Department of Genetics, Cell Biology, and Development, University of*

Minnesota Medical School

Matthias Hammerschmidt, *Cologne University, Institute of Developmental Biology, Germany*
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*
Li Ma, *Laboratory of Molecular Cell Biology and Center of Cell Signaling, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China*
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*
Oystein Saele, *Department of Biology, University of Bergen, Norway*
Didier Stainier, *University of California, San Francisco*
C. Conover Talbot, Jr., *Institute for Basic Biomedical Sciences, The Johns Hopkins University School of Medicine, Baltimore*
Bernard Thisse, *Department of Cell Biology and the Morphogenesis and Regenerative Medicine Institute, University of Virginia*
Christine Thisse, *Department of Cell Biology and the Morphogenesis and Regenerative Medicine Institute, University of Virginia*
Jing-Ruey Joanna Yeh, *Cardiovascular Research Center, Mass General Hospital Harvard Medical School, Massachusetts*
Junqi Zhang, *Microbiology Department, Shanghai Medical College Fudan University, China*
Anying Zhang, *School of Life Science and Technology, University of Electronic Science and Technology of China, Chengdu, China*

- 1 – From July 2013
- 2 – To July 2013
- 3 – From August 2013
- 4 – To August 2013
- 5 – From September 2013
- 6 – To September 2013
- 7 – From October 2013
- 8 – To October 2013
- 9 – To November
- 10 – From December 2013
- 11 – From January 2014
- 12 – From February 2014
- 13 – To February 2014

- 14 – To March 2014
- 15 – From April 2014
- 16 – To April 2014
- 17 – From May 2014
- 18 – To May 2014

Geophysical Laboratory

Staff Scientists

George D. Cody, *Acting Director*¹
Ronald E. Cohen
Yingwei Fei
Marilyn L. Fogel, *Adjunct*²
Alexander F. Goncharov
Robert M. Hazen
Russell J. Hemley, *Director*³
Wesley T. Huntress, Jr., *Director Emeritus*
T. Neil Irvine, *Emeritus*
Ho-kwang Mao
Bjørn O. Mysen
Charles T. Prewitt, *Director Emeritus*
Douglas Rumble III
Anat Shahar
Andrew Steele
Timothy A. Strobel
Viktor V. Struzhkin

Research Scientists

Muhetaer Aihaiti, *CDAC, NSF, DOE*
Reinhard Boehler, *EFree*
Nabil Z. Boctor, *NASA Astrobiology Institute (NAI)*⁴
Xiao-Jia Chen, *EFree*
Dionysis I. Foustoukos, *NSF, DCO, NASA*
Mihaela Glamoclija, *NASA*⁵
Stephen A. Gramsch, *DOE Program/Departmental Outreach Coordinator, CDAC, EFree, Carnegie*
Malcolm Guthrie, *EFree*
Kadek Hemawan, *CDAC, WDC*
Valerie Hillgren, *NASA, NSF, DARPA, CDAC, EFree*
Qi Liang, *CVD Diamond*⁶
Yufei Meng, *CVD Diamond, CDAC, NSF*
Ivan Naumov, *ONR, EFree*
Karyn Rogers, *NASA*⁷
Craig Schiffries, *Director, DCO*
Jinfu Shu, *HPCAT, Carnegie*
Maddury Somayazulu, *CDAC, DOE*
Chih-Shiue Yan, *CVD Diamond, CDAC, Carnegie*⁸
Chang-Sheng Zha, *CDAC*
Li Zhang, *NSF*⁹

Support Staff

Danielle J.-H. Appleby, *Assistant to the Director, Departmental and Institutional Affairs*¹⁰

John Armstrong, *Microbeam Specialist*
Alia Awadallah, *DCO Program Assistant*¹¹
Maceo T. Bacote, *Building Engineer*¹²
Gary A. Bors, *Building Engineer*¹³
Roxane Bowden, *Lab Manager, Stable Isotope Facility*¹⁴
Stephen D. Coley, Sr., *Instrument Shop Supervisor*¹⁵
Katherine Crispin, *Microbeam Specialist*
Roy R. Dingus, *Facility Manager*¹⁶
Pablo D. Esparza, *Maintenance Technician*¹⁷
Dyanne Furtado, *Staff Accountant*
Paul Goldey, *Electronics/Microbeam Specialist*
Shaun J. Hardy, *Librarian*¹⁸
Stephen Hodge, *Instrument Maker*
William E. Key, *Building Engineer*¹⁹
Szczeny (Felix) Krasnicki, *CVD Diamond Senior Engineer*²⁰
Joseph Lai, *CVD Diamond Lab Manager*²¹
Jeff Lightfield, *Controller*
Victor Lugo, *Instrument Maker*²²
Andrea Mangum, *DCO Program Manager*
Quintin Miller, *Building Engineer Apprentice*²³
Susana Mysen, *EFree Project Administrator*
Trong T. Nguyen, *Assistant Controller*
Morgan D. Phillips, *Assistant to the Director, Science and CDAC*²⁴
Gefei Qian, *IT/IS Administrator*
Michelle Scholtes, *Web/Departmental Assistant*
Haiyun (Kevin) Shu, *CVD Diamond Technician*²⁵
Gabor Szilagy, *Systems Administrator*²⁶
Helen Venzon, *Accounts Payable Specialist*
Merri Wolf, *Library Technical Assistant*²⁷

High Pressure Collaborative Access Team (HPCAT), High Pressure Synergetic Center (HPSynC) at the Advanced Photon Source (APS), Argonne National Laboratory, Chicago, IL; National Synchrotron Light Source (NSLS) at Brookhaven National Laboratory, Upton, NY; Spallation Neutron Source (SNS) at Oak Ridge National Laboratory, Oak Ridge, TN

Ligang Bai, *Postdoctoral Associate, HPCAT*²⁸
Maria Baldini, *Research Scientist, HPSynC*
Genevieve Boman, *Beamline Associate, HPCAT*
Arunkumar S. Bommannavar, *Beamline Control Scientist, HPCAT*
Wesley Chang, *Summer Intern, HPCAT*²⁹
Xuliang Chen, *Predocctoral Associate, HPSynC*³⁰
Paul Chow, *Beamline Scientist, HPCAT*
Cindy Doran, *Administrative Assistant, HPSynC*³¹
Richard Ferry, *Technician, HPSynC*
Freda Humble, *Project Administrator, HPCAT*
Rostislav Hrubciak, *Postdoctoral Associate, HPCAT*³²
Daijo Ikuta, *Beamline Associate, HPCAT*
Cheng Ji, *Postdoctoral Associate, HPSynC*³³
Curtis Kenney-Benson, *Beamline Associate, HPCAT*

Yoshio Kono, *Research Scientist, HPCAT*
Bing Li, *Postdoctoral Associate, HPSynC*³⁴
Kuo Li, *Postdoctoral Associate, SNS*³⁵
Rui Li, *Predoctoral Fellow, HPCAT*³⁶
Xiyu Li, *Summer Intern, HPCAT*³⁷
Chuanlong Lin, *Postdoctoral Associate, HPCAT*³⁸
Zhenxian Liu, *Beamline Scientist, NSLS*
Ho-kwang Mao, *Executive Director, HPCAT*³⁹
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*⁴⁰
Jesse Smith, *Postdoctoral Associate, HPCAT*
Junyue Wang, *Postdoctoral Associate, HPSynC*⁴¹
Lin Wang, *Research Scientist, HPSynC*⁴²
Yuming Xiao, *Beamline Scientist, HPCAT*
Hongping Yan, *DCO Postdoctoral Fellow, HPCAT*⁴³
Wenge Yang, *Director, HPSynC*⁴⁴
Qiaoshi Zeng, *Research Scientist, HPSynC*⁴⁵
Jian-Bo Zhang, *Predoctoral Associate, HPSynC*⁴⁶
Zhisheng Zhao, *Postdoctoral Associate, HPCAT*⁴⁷

Postdoctoral Fellows and Postdoctoral Associates

Neil Bennett, *Carnegie Fellow*⁴⁸
Hilary Christensen, *Carnegie Fellow*⁴⁹
Célia Dalou, *Carnegie Fellow*⁵⁰
Cécile Feuillie, *Postdoctoral Associate, NSF*⁵¹
Matthieu Galvez, *Carnegie Fellow*
Christopher Glein, *Carnegie Fellow*
Huiyang Gou, *Postdoctoral Associate, DARPA*⁵²
Mingqiang Hou, *Postdoctoral Associate, NSF*⁵³
Duck Young Kim, *Carnegie Fellow, EFree*
Karunakar Kothapalli, *Postdoctoral Associate, EFree*⁵⁴
Jabrane Labidi, *Carnegie Fellow*⁵⁵
Charles Le Losq, *Carnegie Fellow*⁵⁶
Yangzheng Lin, *Postdoctoral Associate, NSF, DARPA*⁵⁷
Xiaoming Liu, *Carnegie Fellow, Sloan*
Sergey Lobanov, *Postdoctoral Associate, DCO*
Irena Mamajanov, *Simons Fellow*⁵⁸
Subhasish Mandal, *Postdoctoral Associate, EFree*⁵⁹
Sami Mikhail, *Carnegie Fellow, NASA*⁶⁰
Caitlin Murphy, *Carnegie Fellow, NASA, CDAC*
Takaki Muramatsu, *Postdoctoral Associate, DOE*
Javier Francisco Nossa Marquez, *Postdoctoral Associate, ONR*⁶¹
Shohei Ohara, *JSPS Fellow*⁶²
Ileana Pérez-Rodríguez, *C-DEBI Fellow*
Manuvesh Sangwan, *Postdoctoral Associate, EFree*⁶³
Yuki Shibazaki, *JSPS Fellow*⁶⁴
Sandra Siljestroem, *Carnegie Fellow, Sloan*⁶⁵

Vincenzo Stagno, *Postdoctoral Associate, EFree*⁶⁶
Verena Starke, *Postdoctoral Associate*⁶⁷
Stevce Stefanoski, *Carnegie Fellow, DARPA*
Xiaojing Tan, *Postdoctoral Associate, EFree*⁶⁸
Adrián Villegas-Jiménez, *Carnegie Fellow*⁶⁹
Liuxiang Yang, *Postdoctoral Associate, EFree*⁷⁰
Jianjun Ying, *Postdoctoral Associate, DOE, EFree*⁷¹
Haidong Zhang, *Postdoctoral Associate, DARPA*⁷²
Peng Zhang, *Postdoctoral Associate, NSF, DCO*⁷³
Zhisheng Zhao, *Carnegie Fellow, EFree*⁷⁴

Predocctoral Fellows and Predocctoral Associates

Yulia Davydova, *Research Assistant, DOE, WDC*⁷⁵
Charlene Estrada, *Predocctoral Fellow, NSF*
Lei Han, *Predocctoral Associate, NSF*⁷⁶
Qingyang Hu, *Predocctoral Associate, NSF*
Amol Karandikar, *Predocctoral Associate, EFree*
Derek Smith, *Predocctoral Fellow, Dartmouth College*⁷⁷
Eugene Vinitzky, *Predocctoral Associate, CDAC*⁷⁸
Yonghui Zhou, *Predocctoral Associate, EFree*⁷⁹

College Interns

Alyssa Adcock, *Jacobs University Bremen*⁸⁰
Ryan Boles, *University of Nevada, Reno*⁸¹
Sophie Cervera, *University of Paris-6*⁸²
Jihua Hao, *Johns Hopkins University*⁸³
Fang Huang, *Johns Hopkins University*⁸⁴
Ang Liu, *Boston University*⁸⁵
Thomas McHale, *University of Wisconsin-Madison*⁸⁶
Matthew Rawls, *George Mason University*⁸⁷
Simla Sahin, *Rutgers University*⁸⁸
Angela Schad, *University of Delaware*⁸⁹

Summer Scholar Interns (Summer 2014) – Note: that these are not REU Interns

Marques Hatfield, *George Mason University*
Kevin Hernandez, *California State University, Sacramento*
Olivia Reyes-Becerra, *Stanford University*
Joseph Romero, *Augustana College*
Brooke Sherman, *George Mason University*
Brandon Wilfong, *Washington College*

High School Interns

Emily Bertot, *Northwood High School*⁹⁰
Rebecca Edmonds, *School Without Walls Senior High School*⁹¹
Hope Harrison, *St. Andrews Episcopal School*⁹²
Jackson Holaday, *Walt Whitman High School*⁹³
Saelig Khattar, *Thomas Jefferson High School for Science and Technology*⁹⁴
Robert Martin, *Montgomery Blair High School*⁹⁵
Eva Monroe, *Woodrow Wilson Senior High School*⁹⁶

Visiting Investigators (Washington, DC)

David Araiza, *University of California, Merced*
Dina Bower, *Louisiana State University*
Christina Bradley, *University of California, Merced*
Raja Chellappa, *Los Alamos National Laboratory*
Claire Cousins, *Birbeck College, U.K.*
Celia Dalou, *The University of Texas at Austin*
Frederick Davis, *Smithsonian Institution*
Thomas Fitzgibbons, *Pennsylvania State University*
Jessica Flahaut, *VU University Amsterdam*
Marc Fries, *NASA Planetary Science Institute*
Asami Furukawa, *Japan Atomic Energy Agency*
Lev Gasparov, *University of North Florida*
Alexander Gavriliuk, *Institute of Crystallography, Russia*
Mihaela Glamoclija, *Rutgers University*
Gary Grim, *Colorado School of Mines*
Wojciech Grochala, *University of Warsaw, Poland*
Neal Sanchayan Gupta, *Bryant University*
Bianca Haberl, *Australian National University*
Nicholas Holtgrewe, *Howard University*
Jennifer Houghton, *Washington University in St. Louis*
Matthias Hudl, *Swiss Federal Institute of Technology, Zurich, Switzerland*
Daniel Hummer, *University of California, Los Angeles*
Cheng Ji, *Advanced Photon Source*
Derek Keefer, *Pennsylvania State University*
Zuzana Konopkova, *Deutsches Elektronen-Synchrotron, Germany*
Codi Lazar, *Unaffiliated*
Peter Lazor, *Uppsala University, Sweden*
Hong Liu, *Institute of Earthquake Sciences, CSA, PR China*
Harrison Lisabeth, *University of Maryland*
Shinichi Machida, *CROSS-Tokai, Japan*
Manik Mandal, *Lehigh University*
Francis McCubbin, *University of New Mexico*
Stewart McWilliams, *The University of Edinburgh, U.K.*
Kevin Miller, *University of Maryland*
John Nance, *Calvert Marine Museum*
Dean Presnall, *The University of Texas at Dallas*
Charles T. Prewitt, *Director Emeritus, University of Arizona*
Daniel Reaman, *The University of Chicago*
Karyn Rogers, *Rensselaer Polytechnic Institute*
Adam Schaen, *University of Minnesota*
Yingxia Shi, *Stanford University*
Eric Smith, *George Mason University*
Dimitri A. Sverjensky, *The Johns Hopkins University*
Sylvia-Monique Thomas, *University of Nevada, Las Vegas*
James van Orman, *Case Western University*
Adrián Villegas-Jiménez, *Unaffiliated*
Takamitsu Yamanaka, *Osaka University, Japan*
Todd Zapata, *Texas A&M University*
Jin Zhang, *University of Illinois*
Wenlu Zhu, *University of Maryland*

**Visiting Investigators (Geophysical
Laboratory Synchrotron Facilities)**

Daniel Antonio, *University of Nevada, Las Vegas, HPCAT*
Bachir Aoun, *Argonne National Laboratory, HPCAT*
Bruce Baer, *Lawrence Livermore National Laboratory, HPCAT*
Ligang Bai, *University of Nevada, Las Vegas, HPCAT*
Jason Baker, *High Pressure Science and Engineering Center, UNLV, HPCAT*
Nirup Bandaru, *University of Nevada, Las Vegas, HPCAT*
W. Bi, *University of Illinois at Urbana-Champaign, HPCAT*
Matthew Bishop, *University of Alabama at Birmingham, NSLS*
John Bohn, *Los Alamos National Laboratory, NSLS*
Patrick Bowden, *Los Alamos National Laboratory, HPCAT, NSLS*
Jodie Bradby, *The Australian National University at Canberra, HPCAT*
Nathaniel Brady, *University of Alabama at Birmingham, HPCAT*
Andrew Campbell, *University of Chicago, HPCAT, NSLS*
Yunyuan Chang, *Northwestern University, HPCAT*
Raja Chellappa, *Los Alamos National Laboratory, HPCAT, NSLS*
Bin Chen, *University of Illinois at Urbana-Champaign, HPCAT*
Jiaxuan Chen, *Harbin Institute of Technology, PR China, HPCAT*
Jiuhua Chen, *Center for High Pressure Science & Technology Advanced Research, PR China, NSLS*
Jing-Yin Chen, *Lawrence Livermore National Laboratory, HPCAT*
Bethany Chidester, *University of Chicago, HPCAT, NSLS*
Benjamin Cochain, *University of Edinburgh, U.K., HPCAT*
Anthony Connolly, *University of Nevada, Las Vegas, HPCAT*
Scott Coste, *Northwestern University, HPCAT*
Q. Cui, *Jilin University, PR China, NSLS*
Alex Cusick, *University of Michigan, HPCAT*
Hyunchae Cynn, *Lawrence Livermore National Laboratory, HPCAT*
Dana Dattelbaum, *Los Alamos National Laboratory, HPCAT, NSLS*
Kierstin Daviau, *Yale University, HPCAT*
Liwei Deng, *Chinese Academy of Sciences, HPCAT*
Przemyslaw Dera, *University of Hawaii, Manoa, HPCAT*
Yang Ding, *Argonne National Laboratory, HPCAT*
Zbigniew Dreger, *Washington State University, HPCAT*
W. Du, *State University of New York at Stony Brook, NSLS*
Ilias Efthymiopoulos, *Oakland University, HPCAT*
Paul Ellison, *University of Nevada, Las Vegas, HPCAT*
William Evans, *Lawrence Livermore National Laboratory, HPCAT*
Gilberto Fabbris, *Washington University, St. Louis, HPCAT*
Christopher Fancher, *North Carolina State University, HPCAT*
Majed Fataftah, *Northwestern University, HPCAT*
H. Feng, *Montclair State University, NSLS*
Meina Feng, *Center for High Pressure Science & Technology Advanced Research, PR China, HPCAT*
Shaomin Feng, *Chinese Academy of Science, HPCAT*
Rebecca Fischer, *University of Chicago, HPCAT, NSLS*
Thomas Fitzgibbons, *Pennsylvania State University, HPCAT*
Jairo Fonseca, Jr., *Brazilian Synchrotron Light Laboratory, HPCAT*
Paul Forster, *University of Nevada, Las Vegas, HPCAT*
Asami Furukawa, *Japan Atomic Energy Agency, HPCAT*
Yang Gao, *Texas Tech University, HPCAT*

Arianna Gleason, *Stanford University, HPCAT*
Brent Grocholski, *Smithsonian National Museum of Natural History, NSLS*
Tingting Gu, *Yale University, HPCAT*
Griffin Guardala, *High Pressure Science and Engineering Center, UNLV, HPCAT*
Bianca Haberl, *The Australian National University at Canberra, HPCAT*
Jim Hall, *University of Tennessee, Knoxville, HPCAT*
Julong He, *Yanshan University, HPCAT*
S. Hirai, *Stanford University, HPCAT*
Meng Hu, *Yanshan University, HPCAT*
Qingyang Hu, *George Mason University, HPSynC*
Quan Huang, *Yanshan University, HPCAT*
Daniel Hummer, *University of California, Los Angeles, HPCAT*
Valentin Iota-Herbei, *University of Nevada, Las Vegas, HPCAT*
Matthew Jacobsen, *Los Alamos National Laboratory, HPCAT*
Jason Jeffries, *Lawrence Livermore National Laboratory, HPCAT*
Zsolt Jenei, *Lawrence Livermore National Laboratory, HPCAT*
Q. Jia, *Chinese Academy of Sciences, HPCAT*
M. Jugle, *University of Utah, HPCAT*
Patricia Kalita, *University of Nevada, Las Vegas, HPCAT*
Abby Kavner, *University of California, Los Angeles, HPCAT*
Derek Keefer, *Pennsylvania State University, HPCAT*
JongJin Kim, *Argonne National Laboratory, HPCAT*
Jae-Hyun Klepeis, *Lawrence Livermore National Laboratory, HPCAT*
Jaayke Knipping, *University of Michigan, HPCAT*
Lingping Kong, *Center for High Pressure Science & Technology Advanced Research, PR China, HPCAT, NSLS*
Karunakar Kothapalli, *University of Nevada, Las Vegas, HPCAT*
Andreas Kronenberg, *Texas A&M University, NSLS*
Ravhi Kumar, *University of Nevada, Las Vegas, HPCAT*
I. Kun, *Yanshan University, HPCAT*
Maik Lang, *University of Tennessee, Knoxville, HPCAT*
Barbara Lavina, *University of Nevada, Las Vegas, HPCAT*
John Lazarz, *Northwestern University, HPCAT*
Kanani Lee, *Yale University, HPCAT*
Yongjae Lee, *Yonsei University, NSLS*
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Hui Li, *Beijing University of Technology, HPCAT*
Kuo Li, *Center for High Pressure Science & Technology Advanced Research, PR China, HPCAT, NSLS*
Quanjun Li, *Jilin University, PR China, NSLS*
Renfeng Li, *Harbin Institute of Technology, PR China, HPCAT*
Rui Li, *Chinese Academy of Sciences, HPCAT*
S. Li, *University of Nevada, Las Vegas, HPCAT*
Xiaodong Li, *Institute of High Energy Physics, CAS, HPCAT*
Zeyu Li, *University of Michigan, HPCAT*
Zhen Li, *University of Texas at Austin, HPCAT*
Yu Lin, *Stanford University, HPCAT*
Kristina Lipinska, *University of Nevada, Las Vegas, HPCAT*
Magnus Lipp, *Lawrence Livermore National Laboratory, HPCAT*
Gang Liu, *Center for High Pressure Science & Technology Advanced Research, PR China, HPCAT, NSLS*
Jiachao Liu, *University of Michigan, HPCAT*

Jing Liu, *Chinese Academy of Science, HPCAT*
Lei Liu, *Argonne National Laboratory, HPSynC*
Ran Liu, *Jilin University, NSLS*
Xiaobing Liu, *Northwestern University, HPCAT*
Thomas Lochbiler, *Oakland University, HPCAT*
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Y. Ma, *Yonsei University, NSLS*
N. Mack, *Los Alamos National Laboratory, NSLS*
Zhu Mao, *University of Science and Technology of China, HPCAT*
Daniel Mast, *University of Nevada, Las Vegas, HPCAT*
Lowell Miyagi, *University of Utah, HPCAT*
Vahe Mkrtchyan, *University of Nevada, Las Vegas, HPCAT*
Jeffrey Montgomery, *University of Alabama at Birmingham, HPCAT*
Devon Mortensen, *University of Washington, HPCAT*
J. Musfeldt, *University of Tennessee, NSLS*
Farzana Nasreen, *University of Nevada, Las Vegas, HPCAT*
Carole Nisr, *Arizona State University, HPCAT*
K. O'Neal, *University of Tennessee, NSLS*
Sarah Palaich, *University of California, Los Angeles, HPCAT*
Raul Palomares, *University of Tennessee, Knoxville, HPCAT*
Jeffrey Pigott, *The Ohio State University, HPCAT*
Anna Plonka, *State University of New York at Stony Brook, NSLS*
Michael Pravica, *University of Nevada, Las Vegas, HPCAT, NSLS*
Mary Reagan, *Stanford University, HPCAT*
Daniel Reaman, *Army Research Laboratory, NSLS*
F. Rein, *Los Alamos National Laboratory, NSLS*
Ricardo Reis, *Brazilian Synchrotron Light Laboratory, HPCAT*
Yang Ren, *Argonne National Laboratory, HPCAT*
Costel Rotundu, *University of California, Los Angeles, HPCAT*
Y. J. Ru, *Washington State University, HPCAT*
Ramon Saavedra, *Los Alamos National Laboratory, HPCAT*
Tatsuya Sakamaki, *Tohoku University, HPCAT*
Gopi Samudrala, *University of Alabama at Birmingham, HPCAT*
Hannah Shelton, *University of Hawaii, Manoa, HPCAT*
Yingxia Shi, *Stanford University, HPCAT*
Sang-Heon Shim, *Arizona State University, HPCAT*
Emily Siska, *University of Nevada, Las Vegas, HPCAT*
Quinlan Smith, *University of Nevada, Las Vegas, HPCAT*
Spencer Smith, *University of Alabama at Birmingham, HPCAT*
Daniel Sneed, *High Pressure Science and Engineering Center, UNLV, HPCAT*
Holly Spice, *University of Edinburgh, U.K., HPCAT*
E. Stevenson, *Smithsonian National Museum of Natural History, NSLS*
Fei Sun, *Center for High Pressure Science & Technology Advanced Research, PR China, HPCAT*
Liang Tang, *Florida International University, HPCAT*
Elizabeth Tanis, *University of Michigan, HPCAT*
J. Thomas, *Rensselaer Polytechnic Institute, NSLS*
Dane Tomasino, *Washington State University, HPCAT*
E. Thompson, *University of Chicago, NSLS*

Joshua Townsend, *Northwestern University, NSLS*
Cameron Tracy, *University of Michigan, HPCAT*
Oliver Tschauer, *University of Nevada, Las Vegas, HPCAT*
John Tse, *University of Saskatchewan, NSLS*
Georgiy Tsoi, *University of Alabama at Birmingham, HPCAT*
T. Tyson, *New Jersey Institute of Technology, NSLS*
L. Veiga, *University of Campinas, HPCAT*
Nenad Velisavljevic, *Los Alamos National Laboratory, HPCAT, NSLS*
Shibing Wang, *Stanford University, HPCAT, NSLS*
Yonggang Wang, *University of Nevada, Las Vegas, HPCAT*
Yuejian Wang, *Oakland University, HPCAT*
Shanmin Wang, *High Pressure Science and Engineering Center, UNLV, HPCAT*
Liping Wang, *High Pressure Science and Engineering Center, UNLV, HPCAT*
A. Watenphul, *University of California, Los Angeles, HPCAT*
Samuel Weir, *Lawrence Livermore National Laboratory, HPCAT*
Melanie White, *University of Nevada, Las Vegas, HPCAT*
Martin Wilding, *Aberystwyth University, HPCAT*
A. Wong, *University of Michigan, HPCAT*
S. Wong, *The Australian National University at Canberra, HPCAT*
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Y. Yang, *University of Michigan, HPCAT*
Yu Ye, *Arizona State University, HPCAT*
Tao Yu, *New Jersey Institute of Technology, NSLS*
Tony Yu, *University of Chicago, GSECARS, HPCAT*
Dongli Yu, *Yanshan University, HPCAT*
Cun Yu, *Northern Illinois University, HPCAT*
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Qiaoshi Zeng, *Stanford University, HPCAT*
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Fuxiang Zhang, *University of Michigan, HPCAT*
J. Zhang, *George Mason University, HPSynC*
Jian-Bo Zhang, *University of Nevada, Las Vegas, HPCAT*
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Qian Zhang, *Arizona State University, HPCAT*
S. Zhang, *Chinese Academy of Sciences, NSLS*
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Zhao Zhao, *Stanford University, HPCAT, NSLS*
H. Zheng, *George Mason University, HPSynC*
Haiyan Zheng, *Center for High Pressure Science & Technology Advanced Research, PR China, NSLS*
H. Zhu, *Jilin University, PR China, NSLS*
J. Zhu, *Chinese Academy of Sciences, HPCAT, NSLS*
J. L. Zhu, *Chinese Academy of Sciences, HPCAT*

- ¹From October 6, 2013
- ²To December 31, 2013
- ³To October 6, 2013; *Senior Staff Scientist* from October 7, 2013
- ⁴To January 31, 2014
- ⁵To August 31, 2013
- ⁶To November 1, 2013
- ⁷To August 7, 2013
- ⁸To January 15, 2014
- ⁹To December 31, 2013
- ¹⁰To October 6, 2013; *Assistant to the Director* from October 7, 2013
- ¹¹To May 30, 2014
- ¹²Joint appointment with DTM
- ¹³To March 7, 2014. *Acting Facility Manager* from March 8, 2014; Joint appointment with DTM
- ¹⁴To June 30, 2014
- ¹⁵To October 15, 2013
- ¹⁶To March 7, 2014; Joint appointment with DTM
- ¹⁷Joint appointment with DTM
- ¹⁸Joint appointment with DTM
- ¹⁹Joint appointment with DTM
- ²⁰To January 15, 2014
- ²¹To January 15, 2014; *Predoctoral Fellow* from May 1, 2014
- ²²To March 15, 2014; *Shop Foreman* from March 16, 2014
- ²³Joint appointment with DTM
- ²⁴To October 6, 2013; *CDAC Project Administrator/Assistant to Russell J. Hemley* from October 7, 2013
- ²⁵To January 15, 2014; *Predoctoral Fellow* from May 1, 2014
- ²⁶From July 22, 2013
- ²⁷Joint appointment with DTM
- ²⁸From October 1, 2013
- ²⁹From June 9, 2014
- ³⁰To September 15, 2013
- ³¹To October 15, 2013
- ³²From September 16, 2013
- ³³From November 8, 2013
- ³⁴From October 30, 2013
- ³⁵To April 30, 2014; *GL-HPSTAR Postdoctoral Associate* from May 1, 2014
- ³⁶From October 1, 2013
- ³⁷To July 10, 2013
- ³⁸From April 7, 2014
- ³⁹To June 30, 2013
- ⁴⁰From July 1, 2013
- ⁴¹To April 30, 2014; *GL-HPSTAR Postdoctoral Associate* from May 1, 2014
- ⁴²To April 30, 2014; *GL-HPSTAR Research Scientist* from May 1, 2014
- ⁴³To June 30, 2014
- ⁴⁴To December 31, 2013; *GL-HPSTAR Research Scientist* from January 1, 2014
- ⁴⁵From January 24, 2014
- ⁴⁶To March 31, 2014; *GL-HPSTAR Predoctoral Associate* from April 1, 2014
- ⁴⁷To May 31, 2013

⁴⁸From September 16, 2013
⁴⁹To August 31, 2013
⁵⁰To September 11, 2013
⁵¹To May 16, 2014
⁵²From August 30, 2013
⁵³From March 11, 2014
⁵⁴To June 19, 2014
⁵⁵From September 26, 2013
⁵⁶From October 7, 2013
⁵⁷From August 16, 2013
⁵⁸From January 3, 2014
⁵⁹To June 30, 2014
⁶⁰To November 1, 2013
⁶¹From April 9, 2014
⁶²To September 30, 2013
⁶³To June 30, 2014
⁶⁴To January 31, 2014
⁶⁵To September 3, 2013
⁶⁶To September 30, 2013; *Research Scientist* from October 1, 2013
⁶⁷To June 15, 2014
⁶⁸To April 30, 2014
⁶⁹To August 31, 2013
⁷⁰To December 31, 2013; *GL-HPSTAR Postdoctoral Associate* from January 1, 2014
⁷¹From October 10, 2013 to March 15, 2014; *GL-HPSTAR Postdoctoral Associate* from March 16, 2014
⁷²From September 1, 2013
⁷³From August 9, 2013
⁷⁴From June 1, 2013
⁷⁵From July 1, 2013 to August 31, 2013
⁷⁶From January 15, 2014
⁷⁷To September 30, 2013
⁷⁸From June 25, 2014
⁷⁹To March 31, 2014; *GL-HPSTAR Predoctoral Associate* from April 1, 2014
⁸⁰From June 3, 2013 to August 15, 2013
⁸¹To July 15, 2013
⁸²From November 17, 2013 to December 2, 2013
⁸³To August 31, 2013
⁸⁴To August 31, 2013
⁸⁵From June 9, 2014
⁸⁶From June 10, 2013 to September 10, 2013
⁸⁷From June 16, 2014
⁸⁸To June 30, 2013
⁸⁹Joint appointment with DTM; To August 9, 2013
⁹⁰To August 9, 2013
⁹¹From February 27, 2014 to June 1, 2014
⁹²From June 30, 2014
⁹³To August 10, 2013
⁹⁴From June 16, 2014
⁹⁵To August 31, 2013
⁹⁶From May 14, 2014 to June 14, 2014

Personnel 2013-2014
July 1, 2013 to June 30, 2014

Global Ecology

Research Staff Members

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

Postdoctoral Fellows and Associates

Claire Baldeck, *Research Associate, Andrew Mellon Foundation*
Paulo Brando, *Research Associate, NSF*
Monalisa Chatterjee, *Research Associate, USGCRP, Grantham Foundation for the Protection of the Environment*
Ari Kornfeld, *Research Associate, Carnegie Institution*
Ivana Cvijanovic, *Research Associate, Fund for Innovative Climate and Energy Research*
Andrew Davies, *Research Associate, Mellon Foundation*
Yuanyuan Fang, *Research Associate, NASA, DOE*
Jean-Baptiste Feret, *Research Associate, MacArthur Foundation* (to Dec. 18, 2013)
Mark Higgins, *Research Fellow, Carnegie Institution* (to Feb. 28, 2013)
Jennifer Johnson, *Research Associate, Carnegie Institution* (from Jan. 1 2014 to Feb. 28, 2014)
Lester Kwiatkowski, *Research Associate, Fund for Innovative Climate and Energy Research* (from Jan. 28, 2014)
Scott Loarie, *Research Associate, World Bank* (to Apr. 30, 2014)
Chao Li, *Research Associate, NSF* (from Jul. 15, 2013)
Jana Maclaren, *Research Associate, Fund for Innovative Climate and Energy Research* (to Dec. 31, 2013)
Robin Martin, *Research Associate, MacArthur Foundation*
David Marvin, *Research Fellow, Carnegie Institution* (from Feb. 3, 2014)
Joseph Mascaro, *Research Associate, Carnegie Institution, Andrew Mellon Foundation* (to Aug. 16, 2013)
Katharine Ricke, *Research Associate, Fund for Innovative Climate and Energy Research*
Research Fellow, Carnegie Institution
Jovan Tadic, *Research Associate, NASA*
Vineet Yadav, *Research Associate, NSF, NASA, DOE*
Xiaochu Zhang, *Research Associate, Fund for Innovative Climate and Energy Research* (from Sep., 23, 2013)
Yuntao Zhou, *Research Associate, NSF* (to postdoc Mar. 1, 2014)
Kai Zhu, *Research Associate, Max Planck* (from May 27, 2014)

Predocctoral Fellows and Associates

Grayson Badgely, *Stanford University* (from Sep. 23, 2013)

K. Dana Chadwick, *Stanford University*
Luis Fernandez, *Stanford University*
Rebecca Hernandez, *Stanford University*
Jeff Ho, *Stanford University*
Jennifer Johnson, *Stanford University* (to Dec. 31 2013)
Kelly McManus, *Stanford University*
Marina Oster, *Stanford University*
Yoichi Shiga, *Stanford University*
Eva Sinha, *Stanford University*
Aaron Strong, *Stanford University*

Visiting Investigators

Eva Ahbe, *Heidelberg University* (from April 28, 2014)
Ben Somers, *Katholieke Universiteit Leuven* (from Jul.1, 2013)
Cecilia Chavana-Bryant, *Oxford University* (from Feb. 4, 2014 to Jul. 31, 2014)
Peter Frumhoff, *Union of Concerned Scientists* (from Jan. 15, 2014 to Jun. 15, 2014)
Eric Kissel, *Intergovernmental Panel on Climate Change*
Katherine Mach, *Intergovernmental Panel on Climate Change*
Jomas Magalhaes, *University of São Paulo* (from Oct. 1, 2013)
Michael Mastrandrea, *Intergovernmental Panel on Climate Change*
Xavier Molina, *Technical University of Madrid* (from Jun. 9, 2014 to Jul. 31, 2014)
Rasmus Pedersen, *University of Copenhagen* (from Feb. 1, 2014 to Apr. 15, 2014)
Geeta Persad, *Princeton University* (from Aug. 26, 2013)
Alexander Shenkin, *Oxford University* (from Jun. 10, 2014)
Emily Solly, *Max Planck Institute for Biogeochemistry* (to Sep. 20, 2013)
Mary Whelan, *UC Merced* (from Jun. 30, 2014)
Leslie White, *Intergovernmental Panel on Climate Change*
Ricarda Winkelmann, *Potsdam Institute for Climate Impact Research* (from Oct. 1, 2013 to
Apr. 18, 2014)
Shouren Zhang, *Chinese Academy of Sciences* (to Aug. 31, 2013)
Jizhong Zhou, *University of Oklahoma* (from Aug. 14, 2013)
Jakob Zscheischler, *Max Planck Institute for Biogeochemistry* (to Sep. 17, 2013)

Supporting Staff

Makulomy Alexander-Hills, *Undergraduate Research Assistant*
Christopher Anderson, *Laboratory Technician*
Abby Bethke, *Operations Specialist* (to Jun. 30, 2014)
Eren Bilir, *Research Assistant*
Morgan Brunelle, *Intern* (to Jul. 15, 2013)
Lilian Caldeira, *Research Intern*
Manuel Casanova, *Intern* (from Apr. 9, 2014 to Jun. 30, 2014)
Nona Chiariello, *Senior Research Associate*
Michael Dini, *Laboratory Technician*
Monica Erviti *Intern* (from Apr. 9, 2014 to Jun. 15, 2014)
Yuka Estrada, *Web & Graphics Specialist*
Beti Girma, *Undergraduate Research Assistant*

Madison Hoffacker, *GIS Technician* (from Jul. 1, 2013
Benhur Issac, *Intern* (from Apr. 9, 2014 to Jun 30, 2014)
Tera Johnson, *Intern* (to Aug. 25, 2013)
Robert Kempainen, *Intern* (to Jul. 15, 2013)
Ty Kennedy-Bowdoin, *Senior Laboratory Technician* (to Jul. 30, 2013)
David Knapp, *Senior Laboratory Technician*
Angela Korab, *Laboratory Assistant* (from Jan. 13, 2014 to Apr. 23, 2014)
Amy Kryston, *Laboratory Assistant* (from Jun. 1, 2014 to Aug. 29, 2014)
Katherine Kryston, *Laboratory Technician*
Alexander Lebron, *Intern* (to Jul. 15, 2013)
Claire LeDuff, *Volunteer* (from Oct. 20, 2013 to May 31, 2014)
Catherine Lemmi, *Intern* (to Aug. 18, 2013)
Andrew Levy, *Technical Editor*
Sarah Lummis, *Laboratory Assistant* (from Jan. 13, 2014 to Mar. 31, 2014)
Aloysius Makalinao, *Undergraduate Research Assistant* (from Mar. 1, 2014)
Patricia Mastrandrea, *Project Assistant*
Stephanie May, *Laboratory Assistant* (to Mar. 31, 2014)
Rosemary Mena-Werth, *Intern* (to Aug. 23, 2013)
Eric Miyashiro, *Intern* (to Jun. 30, 2014)
Catie Mong, *Intern* (to Sep. 1, 2013)
Sharyn Nantuna, *Administrative Assistant* (to Aug. 26, 2013)
Eilaf Osman, *Volunteer* (from Oct. 1, 2013)
Marion O'Leary, *Senior Advancement Consultant* (to Jun. 30, 2014)
Danielle Olivera, *Research Assistant* (to Oct. 1, 2013)
Diniana Piekutowski, *Volunteer* (from Aug. 20, 2013 to Aug. 1, 2014)
Xuemei Qiu, *Scientific Programmer*
Corey Radis, *Undergraduate Research Assistant* (from Jul. 1, 2013 to Sep. 1, 2013)
Dawn Ross, *Executive Assistant* (from Jan. 6, 2014)
Scott Roycroft, *Volunteer* (from Jan. 16, 2014 to Jun. 21, 2014)
Stacia Sado, *Intern* (from Apr. 9, 2014 to Jun 30, 2014)
Caryn Saslow, *Volunteer* (from Feb. 28, 2014)
Tefiro Serunjogi, *Intern* (to Aug. 25, 2013)
Madeline Sides, *Volunteer* (from Jul. 29, 2013 to May 29, 2014)
Michael Sojka, *Undergraduate Research Assistant* (from Jul. 1, 2013)
Sinan Sousan, *Staff Computer Programmer*
Ian Sparkman, *Intern* (to Sep. 1, 2013)
Elif Tasar, *Laboratory Technician* (to Apr. 30, 2014)
Todd Tobeck, *Laboratory Manager*
Wilson Torres, *Undergraduate Research Assistant*
Byron Tsang, *Laboratory Manager* (to Oct. 18, 2013)
Nicholas Vaughn (from Nov. 4, 2013)
Alex Whitford, *Volunteer* (from Jun. 26, 2013 to Jun. 26, 2014)

The Observatories

Research Staff Members

Andrew Benson
Rebecca Bernstein¹
Alan Dressler
Wendy Freedman, *Director*
Luis Ho
Juna Kollmeier
Patrick McCarthy
Andrew McWilliam
John Mulchaey
Augustus Oemler, Jr., *Director Emeritus*
Eric Persson
George Preston, *Director Emeritus*
Michael Rauch
François Schweizer
Stephen Sackett
Joshua Simon
Ian Thompson
Ray Weymann, *Director Emeritus*

Research Associates

Dan Kelson, *Staff Associate*
Barry Madore, *Senior Research Associate*

Technical Staff Members

Alan Uomoto, *Magellan Technical Manager*

Postdoctoral Fellows and Associates

Joshua Adams, *Postdoctoral Associate*²
Guillermo Blanc, *Carnegie Fellow*
Christopher Burns, *Research Associate*
Janet Colucci, *NSF Fellow*³
Jeffrey Crane, *Staff Associate*
Selma de Mink, *Einstein Fellow*⁴
Michele Fumagalli, *Hubble-Carnegie-Princeton Fellow*⁵
Nimish Hathi, *Postdoctoral Associate*⁶
Ning Jaing, *Research Assistant*
Mansi Kasliwal, *Hubble-Carnegie-Princeton Fellow*
Minjin Kim, *KASI-Carnegie Fellow*⁷
Andrew Newman, *Carnegie Fellow*⁴
Shannon Patel, *Postdoctoral Research Associate*⁸
Ryan Quadri, *Hubble Fellow*⁵

Jeffery Rich, *Postdoctoral Associate*
Ian Roederer, *Carnegie Fellow*⁶
Gwen Rudie, *Carnegie Fellow*⁴
Victoria Scowcroft, *Postdoctoral Associate*
Mark Seibert, *Senior Research Analyst*
Yue Shen, *Hubble Fellow*
Jaejin Shin, *Research Assistant*⁹
Laura Sturch, *Research Associate*¹⁰
Rik Williams, *Postdoctoral Associate*

Las Campanas Research Staff

Mark Phillips, *Associate Director, Las Campanas Observatory and Magellan Telescopes*
Miguel Roth, *Director, Las Campanas Observatory*

Las Campanas Fellows and Associates

Carlos Contreras, *Postdoctoral Fellow*¹¹
Gaston Folatelli, *Postdoctoral Fellow*
Eric Hsiao, *Postdoctoral Fellow*¹²

Las Campanas Visiting Investigator

Nidia Morrell, *Visiting Scientist*

Support Scientist

Andy Monson, *Instrumentation and Support Scientist*¹³

Supporting Staff, Pasadena

Alan Bagish, *Las Campanas Observatory Engineer*
Christoph Birk, *Data Acquisition Programmer*
Jerson Castillo, *Instrument Maker*
Paul Collison, *Computer Systems Manager*
Jorge Estrada, *Electronics Technician*
Beverly Fink, *Assistant to the Director*¹⁴
John Grula, *Head Librarian, Information Services/Publications Manager*
Tyson Hare, *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*
Scott Rubel, *Associate Facilities Manager*
Sung-Ri Sok, *Financial Accountant*¹⁵
Robert Storts, *Instrument Maker*
Irina Strel'nik, *Assistant Business Manager*
Gillian Tong, *Accounting Analyst*

Edward Villanueva, *Data Analyst and Programmer*
Steven K. Wilson, *Facilities Manager*¹⁶

Supporting Staff, Las Campanas

Gustavo Miriel Abarca, *Magellan Maintenance Support*¹⁷
Carolina Alcayaga, *Purchasing Officer*
Ricardo Alcayaga, *Mechanic*
Juan Alfaro, *Magellan Site Maintenance Support*¹⁸
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*
Jorge Bravo, *Magellan Instrument Specialist*
Abdo Campillay, *Research Assistant*¹⁹
Sergio Castellón, *Night Assistant*²⁰
Juan-Carlos Carrasco, *Driver/Purchaser*
Pedro Carrizo, *Plumber*
Jilberto Carvajal, *El Pino Guard*
Pablo Castro, *Telescope Controls Programmer*
Emilio Cerda, *Magellan Electronics Engineer*
Andres Condore, *Electrician*²¹
Angel Cortés, *Accountant*²²
José Cortés, *Janitor*
Francisco Di Mille, *Technical Manager*²³
Oscar Duhalde, *Mechanical Technician*
Juan Espoz, *Mechanic*
Juan N. Espoz, *Electronics Engineer*
Glenn Eychaner, *Telescope Systems Programmer*
Francisco Figueroa, *Supervisor of Mountain Maintenance*²⁴
Carlos Flanega, *Janitor*
Juan Gallardo, *Mechanical Engineer*
Manuel Gamboa, *Assistant Construction*²⁵
Jaime Gómez, *Accounting Assistant*
Consuelo González, *Research Assistant*²⁶
Danilo González, *Magellan Maintenance Support*²⁷
Luis González, *Janitor*
Sergio González, *Night Assistant*
Erwin Guerra, *Carpenter*
Javier Gutiérrez, *Mechanical Technician Assistant*
Nelson Ibacache, *Mechanical Assistant*
Patricio Jones, *Magellan Electronics Engineer*
Oscar Juica, *Plumber*

Eduardo Lizardi, *Administrative Assistant*²⁸
Gabriel Martin, *Magellan Instrument Specialist*
Mauricio Martinez, *Magellan Telescope Operator*
Jonathan Medalla, *Accountant*²⁹
Miguel Méndez, *Mechanical Technician*
Victor Meriño, *Magellan Instrument Specialist*
Adolfo Muena, *Night Assistant*³⁰
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*
David Osip, *Magellan Instrumentation Scientist*
Povilas Palunas, *Telescope Scientist*
Alberto Pastén, *Magellan Telescope Operator*
Frank Perez, *Site Manager/Telescope Engineer*
Patricio Pinto, *Electronics Engineer*
Manuel Pizarro, *Administrative Assistant*^{31 32}
Gabriel Prieto, *Magellan Telescope Operator*
Félix Quiroz, *Mechanical Technician*
Andres Rivera, *Electronics Engineer*
Hugo Rivera, *Magellan Telescope Operator*
Javier Rivera, *Paramedic*
Marcelo Rodriguez, *Supervisor of Mountain Maintenance*³³
Herman Rojas, *Web Page Specialist*
Jorge Rojas, *Janitor*
Mauricio Rojas, *Janitor*
Felipe Sánchez, *Telescope Controls Operator*
Pedro Tirado, *Carpenter*³⁴
Manuel Traslaviña, *Heavy Equipment Operator*
Reinaldo Vega, *El Pino Guard*³⁵
Edgar Veléz, *Mechanic*
Sergio Veléz, *Supervisor of Mountain General Services*
David Verdugo, *Chef*
Jose Zambra, *Chef*

Visiting Investigators

Brett Addison, *University of New South Wales, Australia*
Katelyn Allers, *Bucknell University*
Andres Almeida, *Universidad Andrés Bello, Chile*
Mark Ammons, *The University of Arizona*
Jorge Anais, *Pontificia Universidad Católica de Chile*
Simon Angel, *Pontificia Universidad Católica de Chile*
Rodolfo Angeloni, *Pontificia Universidad Católica de Chile*

Douglas Appelgate, *University of Bonn, Germany*
Pamela Arriagada, *Department of Terrestrial Magnetism, CIW*
Hyun-Jin Bae, *Yonsei University, Korea*
Vanessa Bailey, *The University of Arizona*
John Bailey, *University of Michigan*
Gaspar Bakos, *Princeton University*
Rodolfo Barba, *Universidad de La Serena, Chile*
John Barnes, *University of Hertfordshire, United Kingdom*
Franz Bauer, *Pontificia Universidad Católica de Chile*
Daniel Bayliss, *The Australian National University*
Matthew Bayliss, *Harvard University, CfA*
Jacob Bean, *The University of Chicago*
Keith Bechtol, *The University of Chicago*
Zachory Berta, *Massachusetts Institute of Technology*
Zach Berta-Thompson, *Massachusetts Institute of Technology*
Leyatt Betre, *Massachusetts Institute of Technology*
Fuyan Bian, *The Australian National University*
Christian Moni Bidin, *Universidad Católica del Norte, Chile*
Peter Blanchard, *Harvard University, CfA*
Michael Blanton, *New York University*
Amanda Bosch, *Massachusetts Institute of Technology*
Ismael Botti, *University of Nottingham, United Kingdom*
Antonin Bouchez, *Giant Magellan Telescope Organization*
Rafael Brahm, *The University of Arizona*
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Paula Zelaya, *Pontificia Universidad Católica de Chile*
Zhenya Zheng, *Arizona State University*

-
- ¹ From November 1, 2013
 - ² To February 21, 2014
 - ³ From September 1, 2013
 - ⁴ From August 1, 2013
 - ⁵ To December 31, 2013
 - ⁶ To August 31, 2013
 - ⁷ To January 5, 2014
 - ⁸ From October 1, 2013
 - ⁹ To December 15, 2013
 - ¹⁰ From January 1, 2014
 - ¹¹ From June 1, 2014
 - ¹² To May 15, 2014
 - ¹³ From July 1, 2013, formerly Postdoctoral Associate
 - ¹⁴ From May 24, 2013, not reported previously
 - ¹⁵ From October 16, 2013
 - ¹⁶ To June 30, 2014
 - ¹⁷ From May 20, 2014, formerly Janitor, added given name Gustavo
 - ¹⁸ To February 25, 2014
 - ¹⁹ To March 13, 2014
 - ²⁰ To December 17, 2013
 - ²¹ From May 8, 2014
 - ²² To January 20, 2014
 - ²³ From July 22, 2013
 - ²⁴ To April 14, 2014
 - ²⁵ To December 16, 2013
 - ²⁶ From June 9, 2014
 - ²⁷ From May 20, 2014, formerly El Pino Guard
 - ²⁸ From June 10, 2014
 - ²⁹ From April 21, 2014
 - ³⁰ From December 10, 2013
 - ³¹ From August 28, 2013
 - ³² To March 23, 2014
 - ³³ From April 14, 2014
 - ³⁴ From May 20, 2014
 - ³⁵ From July 22, 2013

Plant Biology

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¹ To June 30, 2014

² From August 1, 2013 to May 31, 2014

³ From July 1, 2013 to December 31, 2013

⁴ From January 5, 2014

⁵ From August 1, 2013 to September 30, 2013

⁶ From January 13, 2014 to June 30, 2014

⁷ From March 17, 2014

⁸ From July 1, 2013 to June 30, 2014

⁹ From June 1, 2014

¹⁰ From January 2, 2014

¹¹ To May 2, 2014

¹² To April 2, 2014

¹³ From September 1, 2013

¹⁴ From July 1, 2013

¹⁵ From October 1, 2013

¹⁶ To April 30, 2014

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- ¹⁷ To August 30, 2013
 - ¹⁸ From December 2, 2013
 - ¹⁹ From March 3, 2014
 - ²⁰ To November 15, 2013
 - ²¹ To September 3, 2013
 - ²² To September 26, 2013
 - ²³ To December 32, 2013
 - ²⁴ To October 32, 2013
 - ²⁵ To May 30, 2014
 - ²⁶ From September 19, 2013 to December 15, 2013
 - ²⁷ To September 30, 2013
 - ²⁸ To November 27, 2013
 - ²⁹ To March 31, 2014
 - ³⁰ From August 31, 2013 to June 30, 2014
 - ³¹ To September 6, 2013
 - ³² To July 24, 2013
 - ³³ From August 19, 2013

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Meagan Ankney, *University of Wisconsin*

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David Bercovici, *Yale University****
Benjamin Black, *Massachusetts Institute of Technology****, ****
Lydie Bonal, *Institut de Planetologie et d'Astrophysique de Grenoble, France*
Lars Borg, *Lawrence Livermore National Laboratory*
Jeremy Boyce, *University of California, Los Angeles; Caltech****, ****
Maud Boyet, *Laboratoire Magmas et Volcans, Clermont-Ferrand*
Henner Busemann, *University of Manchester*
Paul Byrne, *Lunar and Planetary Institute*
Chin-Wu Chen, *National Taiwan University*
Lynn Elkins, *Bryn Mawr University*
Maureen Feineman, *Pennsylvania State University*
Glenn Gaetani, *Woods Hole Oceanographic Institution*
Eloïse Gaillou, *Museum of Natural History, Los Angeles*
Jason Harvey, *University of Leeds, UK*
Stefanie Hautmann, *University of Bristol, UK*
Jussi Heinonen, *University of Helsinki, Finland*
William E. Holt, *State University of New York, Stony Brook*****
Ya-Ju Hsu, *Academica Sinica, Taiwan*
Gene Humphreys, *University of Oregon****
Satoshi Inaba, *Waseda University, Japan****
Dmitri Ionov, *Université Jean Monnet, St. Etienne*
Matt Jackson, *University of California Santa Barbara*
Karl Kehm, *Washington College*
Katherine A. Kelley, *University of Rhode Island*
Christopher R. Kincaid, *University of Rhode Island*
Christian Klimczak, *University of Georgia******
Jurrien Knibbe, *VU University, Amsterdam*
Ming-Chang Liu, *Academica Sinica, Taiwan*
Maureen D. Long, *Yale University****
David Mencin, *UNAVCO, Boulder*
Wendy Nelson, *University of Houston*
Francis Nimmo, *University of California, Santa Cruz*
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, South Africa*
Frederick Roelofse, *University of the Free State, South Africa******
Paul A. Rydelek, *Memphis, TN****
Alberto Saal, *Brown University*
Martha K. Savage, *Victoria University, New Zealand*
Manuel Schilling, *Universidad Austral de Chile*
Nicholas Schmerr, *Goddard Space Flight Center****
Derek Schutt, *Colorado State University*
Alison M. Shaw, *Woods Hole Oceanographic Institution*
Karen V. Smit, *Gemological Institute of America (GIA)*

Teh-Ru Alex Song, *Yokohama Institute for Earth Science, Japan*
Rhonda Stroud, *Naval Research Laboratory****
Erik O. Sturkell, *University of Iceland*
Daoyuan Sun, *University of Southern California*****
Kiyoshi Suyehiro, *Japan Agency for Marine-Earth Science and Technology (JAMSTEC)****
Taka'aki Taira, *University of California, Berkeley*
Tetsuo Takanami, *Earthquake Research Institute, Tokyo****
Aki Takigawa, *Kyoto University****
Andrew Thomson, *University of Bristol****
Tomohiro Usui, *Tokyo Institute of Technology*
Linda M. Warren, *St. Louis University****
Elisabeth Widom, *Miami University, Ohio*
Jack Wisdom, *Massachusetts Institute of Technology***, *****
Cecily J. Wolfe, *U.S. Geological Survey****

Visiting Predoctoral Investigator

Jia Liu, *University of Science and Technology, China****
Mpho Mangwegape, *University of the Free State, South Africa*
Jiuxing Xia, *University of Science and Technology, China****

¹ From May 10, 2014

² Stepped down May 9, 2014

³ Retired September 30, 2013

⁴ On Leave of Absence

⁵ To May 6, 2014

⁶ To August 30, 2013

⁷ To June 30, 2014

⁸ To December 20, 2013

⁹ To December 17, 2013

¹⁰ From January 21, 2014

¹¹ From September 16, 2013

¹² To July 15, 2014

¹³ To July 13, 2013

¹⁴ To March 22, 2014

¹⁵ To December 31, 2013

¹⁶ To July 18, 2013

¹⁷ To November 30, 2013

¹⁸ To April 30, 2014

¹⁹ To September 30, 2013

²⁰ Joint appointment with Geophysical Laboratory

²¹ To August 23, 2013

²² From September 9, 2013

²³ To March 7, 2014

²⁴ From January 6, 2014

***In residence for a portion of the reporting year

****Until June 27, 2014

*****From June 2014