

# PERSONNEL July 1, 2004-June 30, 2005

## Carnegie Administration

Lloyd Allen, *Building Maintenance Specialist*<sup>1</sup>  
 Sharon Bassin, *Assistant to the President/Assistant Secretary to the Board*  
 Andrea Bremer, *Business Coordinator*<sup>2</sup>  
 Gloria Brienza, *Budget and Management Analysis Manager*  
 Don Brooks, *Building Maintenance Specialist*  
 Marjorie Burger, *Financial Accountant*  
 Cady Canapp, *Human Resources and Insurance Manager*  
 Ellen Carpenter, *Public Events and Publications Coordinator*  
 Linda Feinberg, *Manager of External Affairs*  
 Charles Fonville, *Lobby Attendant*<sup>3</sup>  
 Susanne Garvey, *Director of External Affairs*  
 Claire Hardy, *Database and Communications Coordinator*  
 Charles Hargrove, *Project Archivist*<sup>4</sup>  
 Darla Keefer, *Administrative Secretary*  
 Ann Keyes, *Payroll Coordinator*  
 Charles Kim, *Systems Administrator*<sup>5</sup>  
 Jeffrey Lightfield, *Deputy to the Financial Manager*  
 John Lively, *Director of Administration and Finance*  
 Rhoda Mathias, *Secretary to the President*  
 Tina McDowell, *Editor and Publications Officer*  
 Richard Meserve, *President*  
 Ann Mulfort, *Project Archivist*<sup>6</sup>  
 Trong Nguyen, *Financial Accountant*  
 Michael Pimenov, *Endowment Manager*  
 Arnold Pryor, *Facilities Coordinator*  
 Gotthard Sághi-Szabó, *Chief Information Officer*<sup>7</sup>  
 Jennifer Snyder, *Project Archivist*  
 John Strom, *Web Manager*  
 Kris Sundback, *Financial Manager*  
 Vickie Tucker, *Administrative Coordinator/Accounts Payable*  
 Yulonda White, *Human Resources and Insurance Records Coordinator*  
 Jacqueline Williams, *Assistant to Manager, Human Resources and Insurance*

<sup>1</sup>To May 6, 2005

<sup>2</sup>To November 15, 2004

<sup>3</sup>To June 30, 2005

<sup>4</sup>To December 3, 2004

<sup>5</sup>To August 4, 2004

<sup>6</sup>From January 3, 2005

<sup>7</sup>From September 1, 2004

## Carnegie Academy for Science Education

Dayo Akinsheye, *Mentor Teacher*<sup>1</sup>  
 Jessica Baldwin, *Mentor Teacher*<sup>1</sup>  
 Sarah Bax, *Mentor Teacher*<sup>1,2</sup>  
 Inés Cifuentes, *Director*<sup>3</sup>  
 Asonja Dorsey, *Mentor Teacher*<sup>1,2</sup>  
 VanNessa Duckett, *Mentor Teacher*<sup>2</sup>  
 Audrey Edmonds, *Intern*<sup>2</sup>

Julie Edmonds, *Associate Director*<sup>4</sup>, *Codirector*<sup>3</sup>  
 Ricky Gabray, *Intern*<sup>2</sup>  
 Dominic Gasaway, *First Light Assistant*<sup>3</sup>  
 Joseph Geglia, *Intern*<sup>2</sup>  
 Kendra Hardman, *Intern*<sup>1</sup>, *First Light Assistant*<sup>3</sup>  
 Anne Hemphill, *Mentor Teacher*<sup>2</sup>  
 Toby Horn, *Secondary Programs*<sup>4</sup>, *Codirector*<sup>3</sup>  
 Adedoyin Kalejaiye, *Intern*<sup>2</sup>  
 Loretta Kelly, *Mentor Teacher*<sup>2</sup>  
 Lynn Lahti-Hommeyer, *Mentor Teacher*<sup>2</sup>  
 Rebecca Lippy, *Intern*<sup>2</sup>  
 Akriti Mathur, *Intern*<sup>1</sup>  
 Asha Mathur, *Mentor Teacher*<sup>1</sup>  
 Fran McCrackin, *Mentor Teacher*<sup>1,2</sup>  
 Kelliston McDowell, *Intern*<sup>1</sup>  
 Thomas Nassif, *Mentor Teacher*<sup>2</sup>  
 Maxine Singer, *Senior Scientific Advisor*<sup>4</sup>  
 Claire Sontag, *Mentor Teacher*<sup>1</sup>  
 John Tatum, *Mentor Teacher*<sup>2</sup>  
 Gregory Taylor, *CASE Technology Instructor*<sup>1</sup>  
 Annie Thompson, *Mentor Teacher*<sup>1,2</sup>  
 Latisha Whitley, *Intern*<sup>1,2</sup>  
 Beverly Williams, *Mentor Teacher*<sup>2</sup>  
 Haimanot Worku, *Intern*<sup>2</sup>

<sup>1</sup>Summer Institute 2004

<sup>2</sup>Summer Institute 2005

<sup>3</sup>Through June 2005

<sup>4</sup>Through December 2004

## Embryology

### RESEARCH STAFF MEMBERS

Alexsky Bortvin<sup>1</sup>  
 Donald D. Brown, *Director Emeritus*  
 Chen-Ming Fan  
 Steven Farber<sup>1</sup>  
 Joseph G. Gall  
 Marnie Halpern  
 Douglas E. Koshland  
 Allan C. Spradling, *Director*  
 Yixian Zheng

### STAFF ASSOCIATES

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 Alex Schreiber  
 Jim Wilhelm  
 Judy Yanowitz

### POSTDOCTORAL FELLOWS AND ASSOCIATES

Michael Buszczak, *NIH Grant (Spradling)*, *ACS Fellowship*  
 Liquan Cai, *Mathers Charitable Foundation (Brown)*, *NIH Grant (Brown)*

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Daniel Gorelick, *Postdoctoral Fellow, Carnegie Fellow (Halpern)*<sup>3</sup>  
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Dongli Huang, *Howard Hughes Research Associate*<sup>4</sup>  
Toshie Kai, *Japan Science and Technology Corporation–Overseas Research Fellowship, Howard Hughes Research Specialist*<sup>5</sup>

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Bob Levis, *Special Investigator, NIH Grant (Spradling with University of California, Berkeley, subcontract)*

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Alexei Tulin, *Howard Hughes Research Associate, NIH Grant (Spradling)*<sup>8</sup>

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Cynthia Wagner, *Special Investigator, Carnegie Fellow*

Shusheng Wang, *Research Associate, NIH Grant (Zheng)*<sup>9</sup>

Zheng-an Wu, *Special Investigator, NIH Grant (Gall) and Carnegie Fellow*

Cheng Xu, *Carnegie Fellow*

Hong-Guao Yu, *Howard Hughes Research Associate*

Jiaojiao Zhang, *Carnegie Fellow, NIH Fellow*<sup>10</sup>

#### PREDOCTORAL FELLOWS AND ASSOCIATES

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Daniel Ducat, *The Johns Hopkins University*

Robyn Goodman, *The Johns Hopkins University*

Jill Heidinger, *The Johns Hopkins University*

Margaret Hoang, *The Johns Hopkins University*

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Anna Krueger, *The Johns Hopkins University*

Christoph Lepper, *The Johns Hopkins University*

Daniel Lighthouse, *The Johns Hopkins University*

Peter Lopez, *The Johns Hopkins University*

David Martinelli, *The Johns Hopkins University*

Mark Milutinovich, *The Johns Hopkins University*

Tim Mulligan, *The Johns Hopkins University*

Lori Orosco, *The Johns Hopkins University*

Andrew Skora, *The Johns Hopkins University*

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Elcin Unal, *The Johns Hopkins University*

Rachel Webster, *The Johns Hopkins University*

#### SUPPORTING STAFF

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Patricia Cammon, *Laboratory Helper*

Rong Chen, *Technician*<sup>13</sup>

Carol Davenport, *Technician*<sup>1</sup>

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Christopher Edwards, *Technician*

Pat Englar, *Director's Administrative Assistant*

Lea Fortuno, *Animal Care Technician*

Nicole Gabriel, *Animal Care Technician*<sup>15</sup>

Oliver Gibbon, *P/T Lab Assistant*<sup>16</sup>

Aja Green, *Technician*



First row (right to left): Yung-Shu Kuan, Ellen Cammon, Marnie Halpern, Pat Cammon, Ben Ohlstein, Ella Jackson, Yan Tan, Aja Green, Lea Fortuno. Second row (right to left): Allisandra Wen, Kiran Santhakumar, Eileen Hogan, Dave MacPherson, Dean Calahan, Dan Ducat. Third row (stairs, top to bottom): Tina Tootle, Jovita Diaz, Catherine Huang, Anna Krueger, Margaret Hoang, Karina Conkrite, Stephanie Owen, Elcin Unal, Rejeanne Juste, Eugenia Dikovskaia, Queenie Vong. Fourth row (stairs, top to bottom): Joe Gall, Shusheng Wang, Dan Lighthouse, Ona Martin. Fifth row (stairs, top to bottom): Cynthia Wagner, Christine Pratt, Bishu Das, Judy Yanowitz, Tara Hardiman, Sara Clatterbuck, Rafael Villagaray, Kai Sung, Liang Liang, Zheng'an Wu, Ji-Long Liu, Ebony Faux. Sixth row (stairs, top to bottom): Andrew Skora, Mike Buszczak, Christoph Lepper, Bob Levis, Alex Schreiber, Jim Wilhelm, Allan Spradling, Mike Sepanski, Yixian Zheng, Mahmud Siddiqi, Doug Koshland, Cheng Xu. Seventh row (stairs, top to bottom): Dan Gorelick, Todd Nystul, Hong-Guao Yu, Tom McDonough, Warren Hall, Don Brown, Alex Bortvin.

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Shelley Paterno, *Technician*

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Jamie Planck, *Technician*<sup>19</sup>

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 Rafael Villagaray, *Computer Technician*  
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 Allisandra Wen, *P/T Fish Feeder*  
 Michael Willey, *Animal Care Technician*  
 Dianne Williams, *Research Technician III*

#### VISITING INVESTIGATORS AND COLLABORATORS

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 James Beck, *Department of Neuroscience, New York University*  
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 Mark G. Carter, *Developmental Genomics and Aging Section, Laboratory of Genetics, National Institute on Aging, NIH*  
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 Rosalind Coleman, *Department of Nutrition, University of North Carolina*  
 Igor Dawid, *National Institutes of Health*  
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 Christine Thisse, *Institut de Génétique et de Biologie Moléculaire et Cellulaire, CNRS INSERM ULP*  
 Milena Vuica, *Department of Pathology, The Johns Hopkins University School of Medicine*  
 Wade Watanabe, *University of North Carolina at Wilmington*

<sup>1</sup>From September 1, 2004

<sup>2</sup>To December 15, 2004

<sup>3</sup>From May 2, 2005

<sup>4</sup>To December 31, 2004

<sup>5</sup>To June 15, 2005

<sup>6</sup>To December 22, 2004

<sup>7</sup>From July 1, 2004

<sup>8</sup>To August 31, 2004

<sup>9</sup>From May 16, 2005

<sup>10</sup>To June 30, 2005

<sup>11</sup>From July 15, 2004

<sup>12</sup>To June 22, 2005

<sup>13</sup>To November 30, 2004

<sup>14</sup>From October 4, 2004

<sup>15</sup>From May 17, 2005

<sup>16</sup>From February 1, 2005

<sup>17</sup>From May 31, 2005

<sup>18</sup>From August 2, 2004

<sup>19</sup>To July 30, 2004

<sup>20</sup>To May 13, 2005

<sup>21</sup>From March 7, 2005

<sup>22</sup>To May 31, 2005

<sup>23</sup>From September 29, 2005

<sup>24</sup>From January 1, 2005

## Geophysical Laboratory

### RESEARCH STAFF MEMBERS

George D. Cody  
 Ronald E. Cohen  
 Yingwei Fei  
 Marilyn L. Fogel  
 Robert M. Hazen  
 Russell J. Hemley  
 Wesley T. Huntress, Jr., *Director*  
 T. Neil Irvine, *Emeritus*  
 Ho-kwang Mao  
 Bjørn O. Mysen  
 Douglas Rumble III  
 Andrew Steele  
 Viktor Struzhkin

### STAFF ASSOCIATES

Przemyslaw Dera  
 Burkhard Militzer  
 James Scott

### SENIOR RESEARCH FELLOW

Dudley R. Herschbach, *Cecil and Ida Green Senior Fellow*

### RESEARCH SCIENTISTS

Peter M. Bell, *Adjunct Senior Research Scientist*  
 Nabil Z. Boctor, *NASA, NASA Astrobiology Institute*  
 Eugene A. Gregoryanz, *Carnegie, CDAC*  
 Jung-Fu Lin, *CDAC*

### SUMMER EDUCATION COORDINATOR

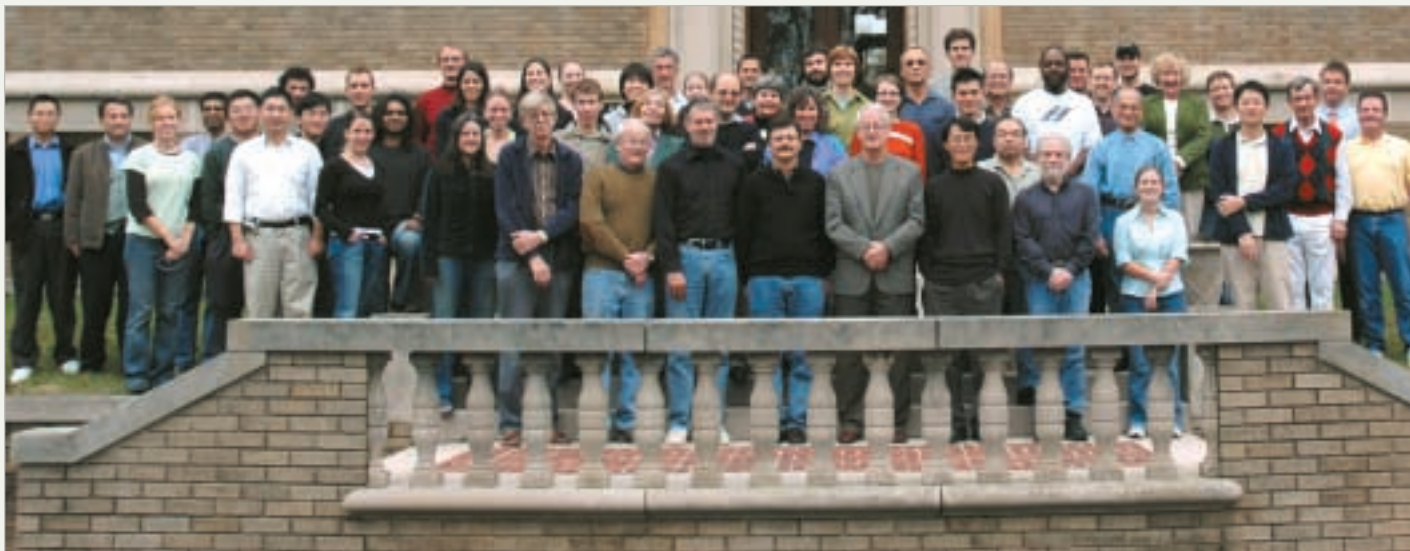
#### AND RESEARCH SCIENTIST

Stephen A. Gramsch, *CDAC Manager*

### HIGH PRESSURE COLLABORATIVE ACCESS TEAM (HPCAT),

ARGONNE NATIONAL LABORATORY, CHICAGO; AND  
 BROOKHAVEN NATIONAL LABORATORY, UPTON, NY

Arun Bommanavar, *Beamline Control Scientist*  
 Paul Chow, *Beamline Scientist*  
 Yang Ding, *Postdoctoral Associate*  
 Quanzhong Guo, *Beamline Scientist*  
 Daniel Häusermann, *Project Manager*  
 Jingzhu Hu, *Beamline Scientist*  
 Michael Y. Hu, *Beamline Scientist*  
 Haozhe Liu, *Postdoctoral Research Associate*  
 Zhen-Xian Liu, *Beamline Scientist*  
 Yue Meng, *Beamline Scientist*  
 Veronica O'Connor, *Office Manager*  
 Eric Rod, *Beamline Technician*  
 Jinfu Shu, *Research Technician*  
 Maddury S. Somayazulu, *Beamline Scientist*  
 Jian Xu, *Research Scientist*



Members of the Geophysical Laboratory staff are shown in November 2005. First row (from left): Z. Wu, V. Starke, H. Watson, B. Mysen, D. Rumble, R. Hazen, A. Goncharov, W. Huntress, Y. Fei, P. Esparza, D. George, M. Phillips. Second row: J. Chen, M. Aihaiti, unidentified, M. Somayazulu, X. Sha, Y. Wang, S. Keshav, J. Jackson, O. Degtyareva, V. Degtyareva, D. Sverjensky, S. Schmidt, M. Fogel, P. Morrill, S. Ono, B. Brown, P. Roa, S. Ho, S. Krasnicki, P. Meeder. Third row: A. Bekker, M. Schrenk, B. Miltzer, J. Eigenbrode, E. Cottrell, R. Martin, H. Yabuta, C. Hadidiacos, P. Zelanko, G. Maule, M. Roskosz, M. Wolf, S. Coley, S. Jacobsen, J. Xu, S. Hodge, S. Hardy, G. Huntress, M. Imlay, M. Fries, G. Sági-Szabó. Missing from picture: N. Boctor, R. Caracas, X. Chen, Y. Chen, J. Ciezak, G. Cody, R. Cohen, A. Corgne, P. Dera, S. Gramsch, P. Griffin, R. Hemley, N. Irvine, T. Jenkins, J. Lai, A. Mao, H. Mao, J. Scott, H. Shu, J. Shu, S. Southard, A. Steele, J. Straub, V. Struzhkin, Y. Thomas, J. Vorberger, C. Yan.

#### POSTDOCTORAL FELLOWS AND POSTDOCTORAL RESEARCH ASSOCIATES

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 Razvan Caracas, *Carnegie Fellow and ONR Postdoctoral Associate*<sup>2</sup>  
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 Narayani Choudhury, *ONR Postdoctoral Associate*<sup>3</sup>  
 Albert Colman, *Carnegie Fellow and Yale Fellow*<sup>4</sup>  
 Alexandre Corgne, *Carnegie Fellow, NSF, and NASA Postdoctoral Associate*  
 Olga Degtyareva, *Carnegie Fellow*  
 Lars Ehm, *Carnegie Fellow*<sup>5</sup>  
 Jennifer L. Eigenbrode, *NASA Astrobiology Institute Associate*  
 Marc Fries, *Carnegie Fellow and Postdoctoral Associate JPL, and NASA Astrobiology Institute Associate*  
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 Steven Jacobsen, *Barbara McClintock Fellow, NSF*  
 Timothy Jenkins, *Postdoctoral Associate, DOE*<sup>7</sup>  
 Shantanu Keshav, *Carnegie Fellow*  
 Sung Keun Lee, *Carnegie Fellow*<sup>8</sup>  
 Jung-Fu Lin, *Carnegie Fellow*  
 Li-Hung Lin, *Carnegie Fellow*<sup>9</sup>  
 Giles Maule, *Postdoctoral Associate, NASA*  
 Penny L. Morrill, *Carnegie Fellow and NASA Astrobiology Institute Associate*<sup>10</sup>  
 Shuhei Ono, *Postdoctoral Associate, NASA*  
 Mathieu Roskosz, *Carnegie Fellow*<sup>11</sup>  
 Mario Santoro, *Carnegie Fellow*<sup>12</sup>  
 Xianwei Sha, *Postdoctoral Associate, NSF*  
 Yang Song, *Harvard Postdoctoral Associate, NSF*  
 Jan Kurt Werner Toporski, *Carnegie Fellow and NASA Astrobiology Institute Associate*<sup>13</sup>  
 Heather Watson, *Carnegie Fellow*<sup>14</sup>  
 Zhigang Wu, *William and Mary Postdoctoral Associate, ONR*  
 Chih-Shiue Yan, *Postdoctoral Associate, NSF*

#### PREDOCTORAL FELLOWS AND PREDOCTORAL RESEARCH ASSOCIATES

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 Maia Schweizer, *ASTID and NASA Astrobiology Institute Associate*<sup>20</sup>  
 Verena Starke, *NASA Marshall Space Flight Center Associate*<sup>21</sup>  
 Kevin Wheeler, *Carnegie Fellow, NSF Associate*<sup>22</sup>  
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#### RESEARCH INTERNS

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 Rachel Erdil, *Wellesley College*  
 Gretchen Hartwig, *University of Wisconsin*  
 Amanda Hughes, *Washington and Lee University*  
 Katharine Johanesen, *Beloit College*  
 Betsy Littlefield, *Colby College*  
 Jennifer Ortega, *University of Missouri*  
 Lisandra Rosario, *Universidad Metropolitana, Puerto Rico*  
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 Jennifer Smith, *West Virginia University*  
 Erica Staehling, *Bucknell University*  
 Isaac Tamblin, *Dalhousie University*  
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 Paula Zelanko, *University of Maryland*

## HIGH SCHOOL STUDENTS

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 Debbie Cheng, *Montgomery Blair High School*  
 Daniel Cohen, *Yeshiva of Greater Washington*  
 Jacob Cohen, *Yeshiva of Greater Washington*  
 Minh Huynh-Le, *Montgomery Blair High School*

## SUPPORTING STAFF

Maceo T. Bacote, *Building Engineer*<sup>24</sup>  
 George Bartels, *Instrument Maker*<sup>24</sup>  
 Gary A. Bors, *Building Engineer*<sup>24</sup>  
 Valance Brenneis, *Laboratory Technician*  
 Bobbie L. Brown, *Instrument Maker*  
 Stephen D. Coley, Sr., *Instrument Maker*  
 Roy R. Dings, *Facility Manager*<sup>24</sup>  
 Pablo D. Esparza, *Maintenance Technician*<sup>24</sup>  
 Kevin Fries, *Library Assistant*<sup>24</sup>  
 Allison Gale, *Laboratory Technician*  
 David J. George, *Electronics Technician*  
 Christos G. Hadidiacos, *Electronics Engineer*  
 Shaun J. Hardy, *Librarian*<sup>24</sup>  
 Charles Hargrove, *Archivist*<sup>25</sup>  
 Garret Huntress, *Systems Administrator/Systems Developer*<sup>26</sup>  
 Marjorie E. Imlay, *Assistant to the Director*  
 William E. Key, *Building Engineer*<sup>24</sup>  
 Paul Meeder, *Accounting Manager*  
 Ann Mulfort, *Archivist*  
 Morgan Phillips, *Administrative Assistant*<sup>27</sup>  
 Pedro J. Roa, *Maintenance Technician*<sup>24</sup>  
 Gotthard Sági-Szabó, *IT/IS Manager/Systems Engineer*<sup>28</sup>  
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 Jennifer Snyder, *Archivist*  
 Susan Southard, *Grants Officer*<sup>29</sup>  
 John M. Straub, *Business Manager*  
 Andrew M. Ullman, *Laboratory Technician*  
 Merri Wolf, *Library Technical Assistant*<sup>24</sup>  
 Paula Zelanko, *Laboratory Technician*

## VISITING INVESTIGATORS

Gretchen K. Benedix, *Smithsonian Institution*  
 Constance M. Bertka, *American Association for the Advancement of Science*  
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 Aaron Celestian, *SUNY, Stony Brook*  
 Jinyang Chen, *Guangzhou Institute of Geochemistry, Chinese Academy of Sciences*  
 I. Ming Chou, *U.S. Geological Survey*  
 Albert S. Colman, *University of Maryland Biotechnology Institute, Baltimore*  
 Catherine Corrigan, *National Museum of Natural History, Smithsonian Institution*  
 Pamela G. Conrad, *Jet Propulsion Laboratory*  
 William B. Daniels, *University of Delaware*  
 Valentina Degtyareva, *Institute of Solid State Physics, Russian Academy of Sciences, Chernogolovka*  
 Mikhail Eremets, *Max-Planck Institut, Germany*  
 Timothy Filley, *Purdue University*  
 Yuri Freiman, *Verkin Institute of Low-Temperature Physics and Engineering, Ukrainian Academy of Sciences, Kharkov*  
 Friedemann Freund, *NASA Ames Research Center*  
 Alexander Gavriluk, *Institute for High Pressure Physics, Troitsk, Russia*  
 Alexander Goncharov, *Lawrence Livermore Laboratory*  
 Harry W. Green, *University of California, Riverside*<sup>24</sup>  
 Wojciech Grochala, *University of Warsaw, Poland*  
 Gudmundur H. Gudfinnsson, *University of Texas at Dallas*  
 John M. Hanchar, *George Washington University*  
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 Guk Lac Kim, *Smithsonian Institution*  
 Jie Li, *University of Illinois, Urbana-Champaign*  
 Tianfu Li, *Chinese Academy of Geological Sciences*  
 Amy Y. Liu, *Georgetown University*  
 Haozhe Liu, *Institute of Physics, Chinese Academy of Sciences, Beijing*  
 Jaime Marian, *California Institute of Technology*  
 Hidecki Masago, *University of Tokyo*  
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 Timothy J. McCoy, *Smithsonian Institution*  
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 Yoshihide Ogasawara, *Waseda University, Japan*  
 Takuo Okuchi, *Nagoya University, Japan*  
 Christian Ostertag-Henning, *University of Muenster, Germany*  
 Simon Nicholas Platts, *University of California, Santa Cruz*  
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<sup>1</sup>To June 30, 2005<sup>2</sup>From July 6, 2004<sup>3</sup>To July 31, 2004<sup>4</sup>To August 31, 2004<sup>5</sup>To February 1, 2005<sup>6</sup>To October 27, 2004<sup>7</sup>From August 1, 2004<sup>8</sup>From July 1, 2004<sup>9</sup>To September 22, 2004<sup>10</sup>From January 1, 2005<sup>11</sup>From September 16, 2004<sup>12</sup>To July 9, 2004<sup>13</sup>To December 9, 2004<sup>14</sup>From January 5, 2005<sup>15</sup>From December 7, 2004<sup>16</sup>From January 11, 2005<sup>17</sup>From September 1, 2004, to June 30, 2005<sup>18</sup>To November 1, 2004<sup>19</sup>From January 13, 2005<sup>20</sup>From August 4, 2004<sup>21</sup>From January 19, 2005<sup>22</sup>To February 28, 2005<sup>23</sup>From July 6, 2004, to June 17, 2005<sup>24</sup>Joint appointment with DTM<sup>25</sup>To December 3, 2004<sup>26</sup>From January 1, 2005<sup>27</sup>From July 19, 2004<sup>28</sup>To September 2, 2004<sup>29</sup>From June 1, 2005

## Global Ecology

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<sup>1</sup>To January 15, 2005

<sup>2</sup>To February 1, 2005

<sup>3</sup>From January 5, 2005

<sup>4</sup>To July 15, 2004

<sup>5</sup>To August 31, 2004

<sup>6</sup>From August 1, 2004

<sup>7</sup>To December 15, 2004

<sup>8</sup>To June 15, 2005

<sup>9</sup>To June 22, 2005

<sup>10</sup>To December 9, 2004

<sup>11</sup>From September 16, 2004

<sup>12</sup>To September 30, 2005

<sup>13</sup>From July 27, 2004

<sup>14</sup>To July 31, 2004

<sup>15</sup>To July 31, 2004



Members of the Global Ecology staff are shown in December 2005. First row from left: Ismael Villa, Maoyi Huang, Jan Brown, Angelica Velasquez, Kathi Bump, George Merchant, Chris Field, Paul Sterbentz. Middle row: Paulo Oliveira, Kim Carlson, Adam Wolf, Yuka Estrada, Bob Haxo, Linda Longoria, Renee Wang, Susan Cortinas, Yingping Wang. Back row: Halton Peters, Deborah Tausch, Joe Berry, Glenn Ford, Mary Smith, David Lobell, Alison Appling, Jason Funk, Todd Tobeck, Natalie Boelman, Ben Houghton..

<sup>16</sup>From October 1, 2004, to March 30, 2005

<sup>17</sup>From July 1, 2004, to October 9, 2004

<sup>18</sup>To August 4, 2004

<sup>19</sup>To August 10, 2004

<sup>20</sup>To June 8, 2005

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<sup>1</sup>From August 1, 2004

<sup>2</sup>From March 1, 2005

<sup>3</sup>From August 25, 2004

<sup>4</sup>To June 30, 2005

<sup>5</sup>From September 1, 2004

<sup>6</sup>From November 1, 2004

<sup>7</sup>To June 30, 2005

<sup>8</sup>From August 23, 2004

<sup>9</sup>From October 18, 2004

<sup>10</sup>From March 7, 2005

<sup>11</sup>From August 31, 2004, to October 15, 2004

<sup>12</sup>From July 1, 2004

<sup>13</sup>To May 23, 2005

<sup>14</sup>From June 1, 2005

<sup>15</sup>From March 18, 2005

<sup>16</sup>From May 30, 2005

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 Joseph Filla, *Systems Administrator*<sup>41</sup>  
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 Bi-Huei Hou, *Laboratory Technician*  
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 Michael Manke, *Intern*<sup>52</sup>  
 Dorianne Moss, *Laboratory Technician*  
 Suparna Mundodi, *Programmer*  
 Erin Osborne, *Laboratory Technician*<sup>53</sup>  
 Dana Parmenter, *Research Technician*



Members of the Department of Plant Biology staff are shown for 2005. Front row (from left): J. Moseley, D. Parmenter, K. Barton, M. Evans, M. Pott, K. Nakasugi. Second row (standing): R. Nishimura, J. Estevez (sitting): M. Facette, W. Tang, S. Gampala, J. Gendron, N. Gendron, T. Niittyla, A. Paredez (standing): C. Somerville, P. Sterbentz. Third row: A. Steunou, S. Eberhard, O. Kilian, Z. Wang, S. Somerville, P. Jenik, D. Loque, I. Villa. Fourth row (sitting): S. Vorwerk, T. Kaper (on stairs): S. Thayer, B.-H. Hou, E. Huala, M. Hilpert, K. Bracha-Droir, K. Bump, S. Cortinas. Fifth row (sitting on side): Y.-L. Wan, S. LaLonde, S. Koh (sitting on steps): H. Foerster, C. Wilks, B. Zoeckler, D. Yoo, D. Swarbreck, B. Chaudhuri, R. Wang (sitting on side): D. Chermak, K.-W. Lye, Y. Sun, S. Okumoto, M. Humphry, I. Lager. Sixth row (standing in back, on side): M. Sharp, J. Emery (sitting on steps): M. Garcia-Hernandez, L. Reiser, H.-Y. Cho, T. Berardini, S. Rhee, F. Mus, N. Shibagaki, K. Deuschle, H. Takanaga. Back row (standing near door arch): M. Smith, P. Poindexter, J. Milne, D. Alexander, A. Grossman, D. Bhaya, W. Pootakham, S. Bauer, L. Looger, J. Kim, W. Frommer, D. Ehrhardt, A. Kleytman.

IMAGE COURTESY PAUL STERBENTZ.

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 Antoinette Sero, *Laboratory Assistant*<sup>56</sup>  
 Mary A. Smith, *Business Manager*  
 Paul Sterbentz, *Facilities Manager*  
 Julie Tacklind, *Laboratory Assistant*  
 Deborah Tausch, *Financial Officer*<sup>57</sup>  
 Miguela Torres, *Secretary/Accounts Payable*  
 Azam Noorani Vatani, *Laboratory Assistant*  
 Angelica Vazquez, *Dishwasher*  
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 Christopher Wolf, *Intern*<sup>59</sup>  
 Matthew Woloszynm, *Intern*<sup>60</sup>  
 Chunxia Xu, *Programmer Technician*  
 Thomas Yan, *Bioinformatics Intern*  
 Daniel Yoo, *Programmer*  
 Sonia Yu, *Intern*<sup>61</sup>  
 Peifen Zhang, *Curator*  
 Daniel Zimardi, *Intern*<sup>62</sup>  
 Brandon Zoeckler, *Assistant Curator*

<sup>1</sup>To March 31, 2005

<sup>2</sup>From January 7, 2005

<sup>3</sup>To September 10, 2005

- <sup>4</sup>From November 1, 2004, to June 30, 2005  
<sup>5</sup>From May 1, 2005, to June 8, 2005  
<sup>6</sup>From September 20, 2004, to May 5, 2005  
<sup>7</sup>From April 25, 2005  
<sup>8</sup>From July 5, 2004, to December 31, 2004  
<sup>9</sup>From June 30, 2004  
<sup>10</sup>To February 2, 2005  
<sup>11</sup>To December 14, 2004  
<sup>12</sup>To December 31, 2004  
<sup>13</sup>To December 20, 2004  
<sup>14</sup>From November 8, 2004  
<sup>15</sup>To January 6, 2005  
<sup>16</sup>From January 2, 2005  
<sup>17</sup>To April 14, 2005  
<sup>18</sup>From July 1, 2004  
<sup>19</sup>From January 1, 2005, to April 20, 2005  
<sup>20</sup>From May 1, 2004  
<sup>21</sup>To June 30, 2005  
<sup>22</sup>From April 1, 2005  
<sup>23</sup>To January 31, 2005  
<sup>24</sup>From November 1, 2004  
<sup>25</sup>From January 1, 2005  
<sup>26</sup>From September 1, 2004  
<sup>27</sup>To October 8, 2004  
<sup>28</sup>From May 2, 2005  
<sup>29</sup>From April 5, 2005  
<sup>30</sup>To June 16, 2005  
<sup>31</sup>To August 28, 2004  
<sup>32</sup>From October 1, 2004  
<sup>33</sup>From September 17, 2004, to June 30, 2005  
<sup>34</sup>From July 1, 2004  
<sup>35</sup>From July 26, 2004  
<sup>36</sup>From March 4, 2005, to June 30, 2005  
<sup>37</sup>From October 4, 2004  
<sup>38</sup>To April 8, 2005  
<sup>39</sup>From April 9, 2005  
<sup>40</sup>From August 18, 2004  
<sup>41</sup>From February 16, 2005  
<sup>42</sup>From July 2, 2004  
<sup>43</sup>From March 1, 2005  
<sup>44</sup>From June 16, 2005  
<sup>45</sup>From November 23, 2004, to May 27, 2005  
<sup>46</sup>To April 8, 2005  
<sup>47</sup>From November 4, 2004  
<sup>48</sup>From February 1, 2005  
<sup>49</sup>To August 15, 2005  
<sup>50</sup>From June 25, 2005  
<sup>51</sup>From June 13, 2005, to June 30, 2005  
<sup>52</sup>From July 1, 2004, to August 31, 2004  
<sup>53</sup>To July 20, 2004  
<sup>54</sup>From June 28, 2004  
<sup>55</sup>From July 1, 2004, to June 15, 2005  
<sup>56</sup>From February 25, 2005  
<sup>57</sup>From January 24, 2005  
<sup>58</sup>From April 25, 2005  
<sup>59</sup>To July 31, 2004  
<sup>60</sup>From June 20, 2005  
<sup>61</sup>To September 15, 2004  
<sup>62</sup>To September 30, 2004

## Terrestrial Magnetism

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 Paul A. Rydelek, *University of Memphis*  
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Members of the Department of Terrestrial Magnetism pose in front of the Abelson Building on November 2, 2005. First row (from left): Alison Shaw, Catherine Cooper, Brian Savage, Linda Warren, Catherine Hier-Majumder, Maceo Bacote, Pablo Esparza, Pedro Roa, Adelio Contrera. Second row (from left): Richard Carlson, Steven Shirey, Lara Wagner, Kevin Wang, Hannah Jang-Condell, Janice Dunlap, Brian Schleigh, Isamu Matsuyama, Juliana Marques, Roy Dingus. Third row (from left): Jerry Davis, Alicia Case, Vera Rubin, Alceste Bonanos, Sandra Keiser, Akiko Taira, Michelle Brooks Martin, Gary Bors. Fourth row (from left): Jianhua Wang, Shaun Hardy, Daniela Power, Lindsey Chambers, Terry Stahl, Dayanthie Weeraratne, Brenda Eades. Fifth row (from left): Fouad Tera, John Graham, Erik Hauri, John Chambers, Taka'aki Taira, Geoff Abers. Sixth row (from left): Peter Burkett, Larry Nittler, Merri Wolf, Sean Solomon, Jay Bartlett, Timothy Mock, Paul Silver, Bill Key, Ivan Savov.

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Yang Shen, *University of Rhode Island*  
 David W. Simpson, *Incorporated Research Institutions for Seismology*  
 J. Arthur Snoke, *Virginia Polytechnic Institute and State University*  
 Douglas R. Toomey, *University of Oregon*  
 Nathalie J. Valette-Silver, *National Oceanographic and Atmospheric Administration*  
 John C. VanDecar, *Nature Magazine, London*  
 Dominique A. M. Weis, *Free University of Brussels*  
 Elisabeth Widom, *Miami University, Ohio*  
 Cecily J. Wolfe, *University of Hawaii*

<sup>1</sup>To August 31, 2004<sup>2</sup>From July 1, 2004<sup>3</sup>To January 2, 2005<sup>4</sup>From July 7, 2004<sup>5</sup>To April 1, 2005<sup>6</sup>From February 15, 2005<sup>7</sup>From April 4, 2005<sup>8</sup>From September 1, 2004<sup>9</sup>From July 27, 2004<sup>10</sup>To August 4, 2004<sup>11</sup>To August 31, 2004<sup>12</sup>From July 1, 2004<sup>13</sup>From September 1, 2004<sup>14</sup>From October 15, 2004<sup>15</sup>From December 12, 2004<sup>16</sup>Joint appointment with Geophysical Laboratory<sup>17</sup>To June 30, 2005<sup>18</sup>From June 6, 2005