# VITA PETER J. STANG

**PERSONAL DATA:**

BORN: November 17, 1941, Nurnberg, Germany CITIZENSHIP: U.S.A. (Naturalized, June, 1962) MARRIED: 1969, Christine M.E. Schirmer

CHILDREN: Antonia (b. 1973); B.S. Brown Univ. 1995; M.D. and MBA McGill Univ. 2001 Alexandra (b. 1977); Honors B.S. Univ. of Utah 2000

ADDRESS: 1406 S Chancellor Way, Salt Lake City, Utah 84108

Chemistry Department, 315 S 1400 E, Rm. 2020, University of Utah, Salt Lake City, Utah 84112 PHONE: Office – (801) 581-8329; Home – (801) 581-9749; FAX: Office – (801) 581-8433

# EDUCATION

B.S. Chemistry, 1963, DePaul University, Chicago, Illinois (Magna Cum Laude)

Ph.D., Chemistry, 1966, University of California, Berkeley (NIH Fellow, with A. Streitwieser) Postdoctoral, 1966-68, Princeton University (NIH Fellow, with P.v.R. Schleyer)

# ACADEMIC EXPERIENCE

David P. Gardner Chair of Chemistry, 2014-present

Distinguished Professor of Chemistry, University of Utah, 1992-present Dean, College of Science, University of Utah, 1997-2007

Chairperson, Department of Chemistry, University of Utah, 1989-1995 Professor, University of Utah, 1979-1992

Honorary Professor of Chemistry, CAS Institute of Chemistry, Beijing, China

Honorary Professor, Zhejiang Univ., East China Normal Univ. and East China Univ. of Science and Technology, Soochow University, Nanjing Normal University, University of Science & Technology of China

Senior Fellow, Loker Hydrocarbon Research Inst., U. of Southern Calif. 1991-Present Visiting Scientist, MIT, Cambridge, Mass., 1978

Associate Professor, University of Utah, 1975-79 Assistant Professor, University of Utah, 1969-75 Instructor, Princeton University, 1968-69

# RESEARCH INTERESTS

Molecular Architecture via Coordination: Formation of discrete supramolecular species with well defined geometries and shapes via self-assembly of novel metallacylces and metallacages and their properties and applications. Organometallic Chemistry; Polyvalent Iodine Species; Alkynyl Esters; Reactive Intermediates (vinyl cations, unsaturated carbenes).

# PROFESSIONAL SOCIETIES

American Chemical Society Fellow

American Association for Advancement of Science (AAAS) Fellow

# MAJOR RECOGNITIONS AND HONORS

# 2020 Awarded the American Institute of Chemists Gold Medal

# 2019 Elected Fellow of the National Academy of Inventors

**2016** Honorary Doctorate, Texas A&M University

**2016** Chinese Government "International Cooperation Award in Science and Technology" (Chinese equivalent to the U.S. National Medal of Science)

**2015** Chinese Government "Friendship Award" (Highest Chinese Award to foreigners) **2015** D.H.L. honoris causa, Doctor of Humane Letters, DePaul University, Chicago, Illinois **2014** Award for International Scientific Cooperation of the Chinese Academy of Sciences **2014** D.Sc. honoris causa, Honorary Doctorate, Technion, Haifa, Israel

**2013** ACS Priestley Medal

**2010** National Medal of Science (awarded in 2011)

**2010** F.A. Cotton Medal for Excellence in Chemical Research

**2009** Fred Basolo Medal for Outstanding Research in Inorganic Chemistry Foreign Member, Hungarian Academy of Sciences, 2007

ACS Award for Creative Research and Applications of Iodine Chemistry, 2007 Linus Pauling Medal, 2006

Foreign Member, Chinese Academy of Sciences (elected 2006) Erskine Fellow, University of Canterbury, New Zealand, 2006

ACS George A. Olah Award in Hydrocarbon or Petroleum Chemistry, 2003 Fellow, American Academy of Arts & Sciences (elected 2002)

Titular Member, European Academy of Arts, Sciences & Humanities (elected 2001) Member, U.S. National Academy of Sciences (elected 2000)

Robert W. Parry Teaching Award in Chemistry, 2000

ACS James Flack Norris Award in Physical-Organic Chemistry, 1998 University of Utah Rosenblatt Prize for Excellence, 1995

ACS Utah Section Award, 1994

Governor’s Medal for Science and Technology (State of Utah) 1993

[**D.Sc. honoris causa**] Honorary Doctorate of Science, Moscow State University, Moscow, Russia, February 1992 [**D.Sc. honoris causa**] Honorary Doctorate of Science, Russian Academy of Sciences [formerly All-Union (USSR) Academy of Sciences], February 1992

BASF Visiting Professor, Kaiserslautern, Germany, 1992 Mendeleev Lecturer, USSR Academy of Sciences, USSR 1989 Chemistry Department “Outstanding Teaching Award” 1989, 1975 Fulbright-Hays Scholar, Zagreb, Yugoslavia 1988

University of Utah Distinguished Research Award 1987 Elected Fellow of AAAS, May 1986

Lady Davis Visiting Professor, Technion, Haifa, Israel, 1986, 1997 Japan Society for the Promotion of Science (JSPS) Fellow 1985, 1998 David P. Gardner Faculty Fellow, 1984

Alexander von Humboldt “Senior U.S. Scientist Award” 1977, 1996, 2010

Listed in Marquis “American Men and Women of Science” and “Who’s Who in Frontier Science and Technology” NIH Postdoctoral Fellow, Princeton University, 1966-68

NIH Predoctoral Fellow, University of California, Berkeley, 1964-66

G.M. Pullman Scholarship, 1959-64; B.S. Magna Cum Laude, DePaul University

# SIGNIFICANT PROFESSIONAL SERVICE AND ACTIVITIES

Editorial Board (Chemistry), *Proc. Natl. Acad. Sci.***(**PNAS), 2021-present

Editor, Journal of the American Chemical Society (JACS) January 2002-December, 2020

Member, Board of Trustees, Gordon Research Conferences, 2010-2016

Chair, Pacifichem Congress 2011-2015

Vice Chair and Finance Chair Pacifichem Congress 2001-2010

Editor-in-Chief, Journal of Organic Chemistry, January 2000-October 2001

Member, Board of Directors, American Association for the Advancement of Sciences (AAAS), 2003-2007 Member, Board of Governors, Technion, Israel Inst. of Tech., Haifa, Israel, 2007-2013

Member, International Advisory Board of the Chemical Research Center, Hungarian Academy of Sciences, 2001-2011 Associate Editor, Journal of the American Chemical Society, 1982-1999

Councilor, Salt Lake Section, ACS, 1998-present

Member, Editorial Board, Chemical & Engineering News, 2001-2014 Member, ACS Council Committee on Nominations and Elections, 1999-2004 Member ACS Board Council Committee on Chemical Abstracts, 1993-1999 Member, NRC Board on Chemical Sciences & Technology 1997-2000 Member, Advisory Board, Chemical & Engineering News, 1995-1997 Editorial Advisory Board, Russian Chemical Bulletin, 1995-present

Council Delegate, AAAS Chemistry Section, 1995-1998

IUPAC, Titular Member, Organic Chemistry Div. Committee (III), 1993-1997 Advisory Committee for Fulbright Scholar Awards in Chemistry, July 1990-1993 Member, Editorial Advisory Board, Synthesis

Alternate Counselor and Member Executive Committee, ACS Division of Organic Chemistry, 1988-1991 Counselor and Member, Executive Comm., ACS Division of Organic Chemistry, 1992-1995

Co-organizer and Co-chairman, NSF Workshop on Reactive Intermediates 1984-1987 Member ACS Selection Committee, 1981-1983; 2000-2003

1985 National Organic Chemistry Symposium Executive Officer (June 1985, University of Delaware) ACS, General Organic Chemistry Examination Committee 1983-1985

Organizing Committee 19th Reaction Mechanisms Conference, Salt Lake City, Utah, June 1982

Member and Chairman ACS Canvassing Committee Nobel Laureate Signature Award for Graduate Education in Chemistry 1978-1980

Editorial Advisor, Academic Press and VCH Publishers, Inc., 1979-1989 Chairman, UTAH AWARD – (ACS Local Section) Committee, 1977

# PUBLICATION AND CITATION DATA

h-Index: 101; Total Citations 50,710; one > 3431; two>2100, six>1100, eight>300, sixteen>200, fifty-two>100, one-hundred-twenty-eight>50, one-hundred-fifty-eight, 158>25, out of a total of 635 publications (as of December, 2022)

**INVITED SEMINARS (1999-)**

**1999**

UC, San Diego UC, Berkeley

University of Munich, Germany University of Essen, Germany University of Dortmund, Germany Heidelberg University, Germany University of Kaiserslautern, Germany National Tsing Hua Univ., Taiwan Academia, Sinica, Taiwan

University of South Carolnia University of British Columbia University of N. Carolina, Charlotte University of Illinois, Urbana University of Montreal, Canada University of Arizona

**2000**

Scripps Research Institute University of South Florida Technion, Haifa, Israel

Hebrew University, Jerusalem, Israel Weizman Institute, Israel

Ben Gurion University, Israel

University of Alberta, Edmonton, Canada University of Calgary, Alberta, Canada **2001**

Marquette University University of Sydney, Australia

Monash University, Melbourne, Australia Hobart University, Tasmania, Australia University of Adelaide, Australia University of Perth, Australia

University of Stuttgart, Germany University of Tübingen, Germany **2002-2003**

University of Colorado, Boulder University of North Carolina

Simon Fraser Univ., Vancouver, Canada SUNY, Albany

Hungarian Academy of Sciences, Budapest Eötvös University, Budapest

Los Alamos National Laboratory Cal. Tech.

Brigham Young University University of Texas, Austin Purdue University

Rutgers University, Newark

Max Planck Institute, Mainz, Germany

**2004**

University of Iowa, Iowa

Johnson & Johnson, Philadelphia, PA Shanghai Institute of Org. Chem., China

Beijing University, China Pudhan University, China

Institute of Chem., Beijing, China University of Canterbury, Christchurch, N.Z. University of Sydney, Australia

ANU, Canberra, Australia Osaka University, Japan Tokushima University, Japan RIKEN, Tokyo, Japan

**2005-2006**

University of Minnesota

Institute of Chemistry, CAS, Beijing University of Wyoming

University of Oregon

University of California-Los Angeles University of Wisconsin-Madison University of Ottawa, Canada

North Carolina State University, Raleigh Ortega University, New Zealand Canterbury University, New Zealand University of Auckland, New Zealand

Victoria University, Wellington, New Zealand Massey University, New Zealand

**2007**

New York University Columbia University University of Tennessee

College de France, Paris, France ISIS-Strasbourg, France University of Rennes, France University of Ulm, Germany Technion, Haifa, Israel University of Toronto

Jackson State University, MS

**2008**

University of Texas, El Paso Zheijiang University, China **INVITED SEMINARS (2008-)**

Nanjing University, China UC-Berkeley

University of Alabama University of Michigan Michigan State University

Seoul National University, Korea Henyang University, Korea KAIST, Korea

Ulsan University, Korea POSTECH, Korea

Kent State University

**2009**

University of Ulsan, Korea

Korean University, Sejong Campus, Korea

Pusan National University, Korea Kyungpook National University, Korea University of N. Texas, Denton, Texas Pennsylvania State University

UC, Santa Cruz Academia Sinica, Taiwan

National Tsing-Hua Univ., Taiwan National Taiwan Univ., Taiwan National Chiao-Tung Univ., Taiwan Colorado School of Mines

Rutgers University Yale University

Charles University, Prague, Czech Republic Inst. of Organic Chem. & Biochem., Prague Ulsan Fine Chemical Co., Ulsan, Korea Pukyong National Univ., Korea

Temple University

Institute of Chem, CAS, Beijing, China Univ. of Sci. & Tech., CAS, Hefei, China Xiamen Univ., China

**2010**

University of Oklahoma University of Groningen Tech. Univ., Berlin, Germany Univ. of Tübingen, Germany Univ. of Köln, Germany Univ. of Karlsruhe, Germany

MPI, Polymer Science, Mainz, Germany ISIS, Strasbourg, France

Inst. of Physical Chem., Dalian China Jacobs Univ., Germany

Kiel Univ., Germany Univ of Münich, Germany

Univ. of Erlangen, Germany

**2011**

2-23 Texas Tech. University 2-25 USC Health Sciences

5-19 Suzhou University, China 5-23 Xuzhou University, China

5-26 Chongquing University, China

5-28 Fujian Inst. of Res. on the Structure of Matter, CAS, Fuzhou, China

5-30 Sun Yat-Sen Univ., Guangzhou, China 6-2 University of Hong Kong, Hong Kong 10-6 Hanyang University, Seoul, Korea

10-7 Yonsei University, Seoul, Korea 10-31 Univ of Basel, Switzerland

11-1 Univ. of Lausanne, Switzerland 11-2 Univ. of Neuchatel, Switzerland 11-2 Univ. of Bern, Switzerland

11-3 Univ. of Fribourg, Switzerland

**2012**

2-7 Chonnam National Univ., Gwangju, Korea 5-7 National University of Singapore

5-9 Xiamen University, China

5-11 Fujian Inst. of Res. on the Structure of Matter, CAS, Fuzhou, China

10-01 Indian Institute of Technology, Mumbai, India 10-03 Indian Institute of Science, Bangalore, India 10-08 Indian Institute of Technology, Kanpur, India **2013**

2-18 Colorado State University

6-24 Sogang University, Seoul, Korea 6-25 Inha University, Seoul, Korea

7-18 University of Madrid, Spain

8-19 National Univ. of Singapore (NUS), Singapore 8-21 Nanyang Technol. Univ. (NTU), Singapore

8-22 Inst. of Materials Research and Eng. (IMRE), Singapore

9-25 Ocean University, Qinqdao, China

9-29 Hangzhou Normal University, China 9-30 Zhejiang University, Hangzhou, China **2014**

2-12 MIT

2-17 KAUST, Saudi Arabia

2-24 Wayne State University, Detroit 4-4 Florida State University

4-25 Ohio State University

5-19 University of Wyoming 9-8 Texas A&M

12-10 Dalian Institute, China

12-12 Nanjing Normal University, China

**2015**

2-26 Dow Chemical, Philadelphia 4-20 University of South Dakota

6-24 Hunan University, Changsha, China

* 1. Huandong Univ. of Science and Technology, Shanghai, China
  2. East China Normal University, Shanghai China 6-28 Tianjin University, Tianjin, China

6-29 Nankai University, Tianjin, China 10-30 The University of Hong Kong

* 1. University of Montreal, Canada
  2. McGill University, Montreal, Canada 12-4 Zhejiang University, Hangzhou, China

**2016**

5-12 Romanian Academy of Sciences, Bucharest 5-16 University of Szeged, Szeged, Hungary

5-24 University of Dalian, Institute of Technology, Dalian, China

* 1. Weizmann Institute, Rehovot, Israel
  2. Tel Aviv University Dept. of Chemistry 6-5 Hebrew University Dept. of Chemistry,

Jerusalem, Israel

6-7 University of Cyprus, Dept. of Chemistry, Cyprus 10-29 Nanjing Normal University, Nanjing, China

10-30 iChEM Meeting, Hefei, China

**2017**

2-3 Texas A&M University 4-21 New York University

9-4 Ludwig Maximilian Univ., Münich, Germany 9-6 University of Regensburg, Germany

9-11 Technical University, Münich, Germany 9-14 TU Berlin, Germany

9-20 University of Erlangen, Nürnberg

10-17 Zhejiang University, Hangzhou, China 10-21 Jinan University, Jinan, China

10-22 Shandong Normal University, Jinan, China 10-24 Hunan Normal University, Changsha, China

# 2018

5-9 Xi’an Jiaotong University 5-10 Shanxi Normal University

5-12 Hangzhou Normal University 5-13 Wuhan University

5-17 Wuxi University of Food Science 9-14 Shanghai University, China

9-15 East China Normal University, China 9-19 Northwest A&F University, China

9-21 Northwest University of Technology, China

12-5 Instd. Of Chemistry, Chinese Academy of Sciences, Beijing, China

* 1. South China University of Technology, Guangzhou, China
  2. Hong Kong University of Science & Technology, Hong Kong

# 2019

* 1. Institute of Chemistry, Chinese Academy of Sciences, Beijing
  2. Southwest Minzu University, Chengdu, China 4-1 Xian Jio Tong University

4-2 Shanghai Jio Tong University

10-8 University of Mexico, Mexico

10-31 West Lake University, Hangzhou, China

11-3 Jinan University, Jinan , China

# 2020

* 1. Linkoping Univ., Sweden
  2. KTH, Sweden
  3. Stockholm University, Sweden
  4. Chalmers University, Gothenburg, Sweden
  5. Uppsala University, Sweden

# 2022

4-12 Univ. of Florida

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| **MAJOR LECTURES (LAST 20 YEARS)** | | |
| TITLE | MEETING PLACE | DATE |
| Invited Speaker | South American Physical Organic Conference, Florianopolis, Brazil | April 1995 |
| Invited Speaker | KISPOC VI, Kyushu, Japan | July 1995 |
| Invited Speaker | Gordon Conference on Organometallic Chemistry, Newport, R.I. | July 1995 |
| Invited Speaker | Symposium on Novel Compounds; Novel Properties, Honolulu, HI | December 1995 |
| Plenary Lecturer | 13th IUPAC Conference on Phys. Org. Chem., Seoul, Korea | August 1996 |
| Invited Speaker | Gordon Conference: Organic Struct. & Propert., Fukuoka, Japan | September 1996 |
| Invited Speaker | New Horizons in Chemistry, Loker Institute, USC | November 1997 |
| Plenary Lecturer | KISPOC-VII, Kyushu, Japan | December 1997 |
| Symposium Speaker | James Flack Norris Award Symp., ACS-Meeting, Dallas, TX | March 1998 |
| Plenary Speaker | Fifth International Conference on Heteroatom Chemistry, University  of W. Ontario, Canada | July 1998 |
| Coover Lecturer | Coover Lecture, Iowa State Univ., Ames, Iowa | October 1998 |
| Laird Lecturer | University of British Columbia | March 1999 |
| Plenary Speaker | US-Taiwan Organometallic Conf. | April 1999 |
| Murtiashaw Lecturer | University of South Carolina | September 1999 |
| Merck Frosst Lecturer | Univ. of Montreal, Canada | October 1999 |
| Invited Speaker | Contemporary Inorg. Chem. II, Texas A & M | March 2000 |
| Symposium Speaker | Pacifichem, Honolulu, Hawaii | December 2000 |
| Invited Speaker | Cotton Symposium, ACS, San Diego | April 2001 |
| Wyeth-Ayerst Lecturer | University of Pennsylvania | April 2001 |
| Plenary Lecturer | 27th National Organic Symposium, Bozeman, MT | June 2001 |
| Plenary Lecturer | ISNA 10, San Diego, CA | August 2001 |
| S. Cristol Lecturer | University of Colorado | February 2002 |
| Invited Speaker | 25th Anniversary Loker Hydrocarbon Inst. USC, Los Angeles | March 2002 |
| F.M. Garland Lecturer | Texas A & M, Kingsville, TX | April 2002 |
| H. Kuivila Lecturer | SUNY, Albany | April 2002 |
| Johnson Symposium | Stanford University | October 2002 |
| Dow Lecturer | California Inst. of Technology | January 2003 |
| H. Smith Broadbent Lecturer | Brigham Young University | February 2003 |
| R. Pettit Lecturer | UT-Austin | February 2003 |
| Donald Lecturer | McGill University | March 2003 |
| Friedman Lecturer | Rutgers University | April 2003 |
| Plenary Lecturer | 28th Int. Conference on Solution Chemistry, Debrecen, Hungary | August 2003 |
| Fuson Lecturer | University of Nevada, Reno | November 2003 |
| 19th Molecular Sc. Forum Speaker | Inst. of Chem., Chinese Academy of Sciences, Beijing, China | April 2004 |
| Liversidge Lecturer | University of Sydney, Australia | June 2004 |
| David P. Craig Lecturer | ANU, Canberra, Australia | June 2004 |
| Plenary Lecturer | ISSC-XIII, Notre Dame | June 2004 |
| George Olah Lecturer | University of Southern California | October 2004 |
| Paul Gassman Lecturer | University of Minnesota | January 2005 |
| Lutz Lecturer | University of Virginia | April 2005 |
| Merck Frosst Lecturer | University of Waterloo, Canada | May 2005 |
| Rhoads/Raulins  Lecturer | University of Wyoming | October 2005 |

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| **MAJOR LECTURES (LAST 20 YEARS)** | | |
| TITLE | MEETING PLACE | DATE |
| Bachmann Lecturer | University of Michigan | February 2008 |
| Arduengo Lecturer | University of Alabama | March 2008 |
| Plenary Lecturer | 26th Congress of the Chinese Chemical Society, Tienjin, China | July 2008 |
| Invited Speaker | Division of Organic Chem. Centennial Symposium, 236th ACS  National Meeting | August 2008 |
| Dow/Karabatsos Lect. | Michigan State University | September 2008 |
| Schleyer Lecturer | University of Georgia | February 2009 |
| Tread B. Johnson Lecturer | Yale University | May 2009 |
| Karcher Lecture | University of Oklahoma | February 2010 |
| Backer Lecture | University of Groningen | June 2010 |
| H.J. Shine Lecture | Texas Tech. University | February 22, 2011 |
| Lu, Jiaxi Lecture | Chem. Dept., Xiamen Univ. China | May 9, 2012 |
| Smith Lecture | UC-Davis | May 17, 2012 |
| Hünig Lecture | Würzburg, Germany | May 6, 2013 |
| Editors Forum | Asian Chemical Congress, Singapore | August 21, 2013 |
| Sheldon Shore Lecturer | Ohio State University | April 25, 2014 |
| Zhang Dayu Lecture | Dalian, China | December 11, 2014 |
| Schleyer Symposium | Athens, Georgia | February 12, 2015 |
| Eminent Scholar Lecture | Texas A&M | May 4, 2015 |
| Peiyang Lecture | Tianjin University, Tianjin, China | June 30, 2015 |
| Bone Lecture | Wilkes University, Pennsylvania | October 21, 2015 |
| Aldrich Lecture | McGill University, Canada | November 10, 2015 |
| Invited Speaker | 7th ISBBN Symposium, Hunan University | May 27, 2016 |
| Invited Speaker | Wolf Symposium, Technion, Israel | June 1, 2016 |
| Plenary Lecture | 60th Anniversary Symposium, ICCAS, Beijing, China | October 23, 2016 |
| Distinguished Speaker | Texas A&M University, Doha, Qatar | January 19, 2017 |
| Plenary Lecture | π-electron Systems, Hong Kong | June 6, 2017 |
| Plenary Lecture | Singapore | June 19, 2017 |
| Invited Speaker | 50-years of Stoddart Chemistry, Cambridge, UK | July 7, 2017 |
| Plenary Lecture | Global Lecture Series, Zhejiang University, Hangzhou, China | July 19, 2017 |
| Howard Tieckelmann Memorial Lecture | University of Buffalo, New York | May 4, 2018 |
| Hua Yuan Lectureship | School of Chemical Engineering at Huazhong University of Science and Technology | May 13, 2018 |
| Plenary Lecturer | Future Science Forum, Jiliu University, China | September 17, 2018 |
| Yangzhongjian  Lecturer | Northwest University, Xi’an, China | September 21, 2018 |
| Plenary Lecturer | 2nd Middle-Eastern Materials Science Conference, Abu-Dhabi, UAE | November 12, 2018 |
| Plenary Lecturer | Nanjing Technology Week, Nanjing, China | June 4, 2019 |
| Master Distinguished Lecture | Shanghai Jiao Tong University | Octiber 30,2019 |
| Keynote Speaker  Keynote Speaker  Tarrant Distinguished  Visiting Professorship | International Conference on Fronteirs of Science, ICCAS, Bejing  From Staudinger Macromolecules to the Genome of Macromolecules: Molecular Machines and Ionic Systems ACS Meeting, San Diego,  University of Florida | November 7, 2019  March, 2022  April 10-16, 2022 |

# CURRENT FUNDING

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| --- | --- | --- |
| TITLE | AGENCY | AMOUNT |
| Abiological Self-Assembly via Coordination | Hunan University, China 2014-2019 | $1,200,000 |
| Active Delivery of Platinum Nanoimmuno conjugates to Improve Breast Cancer Therapy (Co-PI) | NIH (2017-2022) | $2,800,565 |

**PROPSAL**

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| TITLE | AGENCY | AMOUNT |
| Precision Delivery of PT and Ru Nanoimmuno conjugates to Tumors for Improved Therapy | NIH | $1,872,500 |

**Ph.D.s AWARDED**

|  |  |  |
| --- | --- | --- |
| NAME | YEAR | PRESENT POSITION |
| Thomas E. Dueber | 1974 | DuPont, Wilmington, Delaware |
| Robert J. Hargrove | 1974 | Mercer University, Macon, Georgia |
| Michael G. Mangum | 1975 | Hercules Chem. Co., Salt Lake City, Utah |
| Albert Anderson | 1977 | Central Research Dept., DuPont, Wilmington, Delaware |
| Thomas E. Fisk | 1979 | Dow Chemical Co., Michigan |
| Warren Treptow | 1979 | Dow Chemical Co., Michigan |
| Dennis P. Fox | 1982 | Stouffer Chemical Co. |
| Mitchell R. White | 1983 | Dow Chemical Co., Michigan |
| Gary Anderson | 1983 | Gary Indust. Inc., Connecticut |
| Stephen Christensen | 1984 | Dow Chemical Co., Michigan |
| Vandana Dixit | 1985 | Analchem Pvt. Ltd., India |
| Alan Learned | 1987 | DuPont |
| Arun Datta | 1988 | University of Connecticut |
| Mark Kowalski | 1988 | Hewlett-Packard, Oregon |
| Linsheng Song | 1990 | Bio-Technical Resources, Wisconsin |
| Zhandong Zhong | 1991 | Postdoc, NIH, Bethesda, Maryland |
| Yo-Hsin Huang | 1991 | Chains, Inc., Freemont, CA |
| Charles Crittell | 1993 | East Central University, OK |
| Robert Hinkle | 1994 | College of William and Mary, Virginia |
| Bobby L. Williamson | 1994 | Georgia-Pacific Resins, Inc., Georgia |
| Rik R. Tykwinski | 1994 | Prof., University of Alberta, Canada |
| Danh Cao | 1996 | Battelle, Salt Lake City |
| Paul Murch | 1997 | WITCO Inc., West Virginia |
| Jeffery Whiteford | 1997 | Nanosys. Inc. California |
| Neal Persky | 1998 | Humboldt Postdoc., Max Planck Ins. Mainz, Germany |
| Bogdan Olenyuk | 1998 | Proteogenomic Research Institute for Systems Medicine |
| Jun Fan | 1999 | Postdoctoral, Pharmacy, University of Utah |
| Christopher J. Kuehl | 2001 | Postdoctoral, Los Alamos National Lab. |
| S. Russell Seidel | 2003 | Berry College, Rome, Georgia |
| Yuri Kryschenko | 2003 | Moscow, Russia |
| Takuya Yamamoto | 2004 | University of Tokyo |
| Neeladri Das | 2006 | Chair, Dept. of Chemistry IIT Patna, India |
| Umamageswaran Maran | 2009 | Postdoc, University of Utah, Dept. of Pharm. & Pharm. Chem. |
| Koushik Ghosh | 2010 | University of Illinois, Urbana-Champaign |
| Yaorong Zheng | 2011 | Postdoc, MIT |
| Bryant Pollock | 2014 | Postdoc, Northwestern University |
| Zhixuan Zhou | 2018 | Postdoc, Germany |
| Shiho Kobayashi | 2019 |  |

**M.S. DEGREES AWARDED**

|  |  |  |
| --- | --- | --- |
| Jon Bjork | 1978 | 3M Co. Minnesota |
| Lydia White | 1981 | Thiokol Corp. |
| Robyn Bunch | 1990 | Hill Air Force Base |
| Scott Campbell | 1991 |  |
| Diane Babski | 1993 |  |
| Biswaroop Chatterjee | 2003 |  |

**FORMER POSTDOCTORAL AND RESEARCH ASSOCIATES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAME** | | **YEAR** | **PRESENT POSITION** | |
| Koushik Acharyya | | 2018-2019 | Visiting Scholar | |
| Christopher Addicott | | 2002-2004 | Research Directions Pty. Ltd., Brisbane | |
| James Ambrose | | 1977-79 Postdoc | Hercules Chemical Co., Salt Lake City, UT | |
| Zhe An | | 2015-2016 Visiting Scholar |  | |
| Manfred Böshar | | 1985-86 Postdoc | Hoechst Chemical Co, Germany | |
| Rajesh Chakrabarty | | 2009-2011 Postdoc |  | |
| Kuanchiang Chen | | 1994-96 Postdoc | IBC Advance Tech., American Fork, UT | |
| Wenrui Chen | | 2016-2018 Visiting Scholar | Ph D, Wuhan University of Technology | |
| Zen-Chu Chen | | 1983-85 Postdoc (PRC Scholar) | Hangzhou University, PRC | |
| Ki-Whan Chi | | 2003-2004 Visiting Scientist | University of Ulsan, Korea | |
| Timothy R. Cook | | 2011-2014 Postdoc | New York State University, Buffalo, NY | |
| Sougata Datta | | Visiting Scholar/Researcher | Indian Associaton for the Cultivation of Science (IACS) | |
| Hendrik Disteldorf | | 2002-03 DFG Postdoc | Germany | |
| Wallace W. Ellis | | 1998-00 Postdoc | Natl. Energy Lab, Colorado | |
| Laszlo Fabry | | 1987 Postdoc | Wacker Chemitronic, Germany | |
| David Fischer | | 1990-92 DOW Postdoc | Sandoz Agro, Inc., Des Plaines, IL | |
| Markus Frank | | 2004-2005 Postdoc | Boehringer Ingelheim, Germany | |
| Antonio Fronda | | 1992 NATO Postdoc | Kaiserslautern, German | |
| Bernhard Geissler | | 1994 Postdoc | BASF, Germany | |
| Amrita Saha Ghosh | | Visiting Scholar | University of Delhi, India | |
| Ashutosh Ghosh | | 2004-2005 Visiting Scientist | University of Calcutta, India | |
| Zuoli He | | 2013-2014 Visiting Scholar | Xi'an Jiaotong University | |
| Feihe Huang | | 2005-2006 Postdoc | Zhejiang University, China | |
| Jianying Huang | | 2011-2013 Visiting Scholar | Hangzhou Normal University | |
| Long Jiang | | 2014-2015 Visiting Scholar | Sun Yat-Sen University, Guangzhou, China | |
| Lin Jing | | 1984-86 Postdoc (PRC Scholar) | Xiamen Univ., PRC | |
| Hershel Jude | | 2004-2006 | Los Alamos National Laboratory | |
| Jeum-Jong Kim | | 2006-2007 | Korea | |
| Tsugio Kitamura | | 1986-88 Postdoc | Assoc. Prof., Kyushu Univ., Fukuoka, Japan | |
| Xian Qiang Kong | | 2015 Visiting Scholar | Jiangsu Normal University, Xuzhou, China | |
| Konrad Krageloh | | 1983-84 NATO Postdoc | Stuttgart, Germany | |
| Alexei Kurchan | | 2005-2006 Postdoc | Infineum, USA, New Jersey | |
| Mladen Ladika | | 1979-82 Fulbright Postdoc | Dow Chemical Company | |
| Jun Seong Lee | | 2009 Postdoc | Chonnam National University, Korea | |
| Stefan Leininger | | 1997-99 Humboldt Postdoc | Degussa-Heuels, Germany | |
| Michael Levin | | 1998-00 Postdoc | Diversa Corp., San Diego, CA | |
| Shijun Li | | 2011-2013 Visiting Scholar | Hangzhou Normal University | |
| Zhengtao Li | | 2014-2015 Visiting Scholar | Zhejiang University, Hangzhou, China | |
| Zhongyu Li | | 2017-2018 Visiting Scholar | Xuzhou Normal University | |
| Mei Luo | | 2014-2015 Visiting Scholar | Hefei University of Technology, Hefei, Anhui, China | |
| Gerhard Maas | | 1979-80 DFG Postdoc Germany | Professor, University of Ulm, Germany | |
| Joseph Manna | | 1995-97 Postdoc | Rohm and Haas, Kentucky | |
| Qiu Mei | | 1984-86 Postdoc (PRC Scholar) | Hangzhou University PRC | |
| Gregory Molev | | 2010-2011 Postdoc | Univ. of Toronto, Toronto, Canada | |
| Partha S. Mukherjee | | 2003-04 Postdoc | Indian Institute of Science, Bangalore, India | |
| Christian Müller | | 1996-98 F. Lyman Postdoc | Reemtsma, Germany | |
| Rainer Munschauer | | 1992-93 BASF Postdoc | University of Texas at El Paso | |
| Venkata Neti | | 2014-2015 Postdoc | University of Texas at El Paso | |
| Yong Nie | | 2014-2015 Visiting Scholar | Jinan University, Jinan City, China | |
| Brian Northrop | | 2007-2009 NIH Postdoc | Wesleyan University | |
| Juan Noveron | | 2003-2004 Postdoc | University of Texas, El Paso | |
| Robert Peiffer | | 1972-74 Postdoc | DuPont, Wilmington, Delaware | |
| U. Radhakrishnan | | 2000-2002 Postdoc | PNS Pharmaceuticals | |
| John Ryan | | 1994-96 Postdoc | Australian Natl. Univ. Canberra, Australia | |
| Manik Lal Saha | | Postdoctoral Fellow | Eastman Kodak, Texas | |
| Marion Schmitz | 1998-80 Humboldt Postdoc | | | Wacker Chemical, Germany |
| Hans Schubert | 1983-84 NATO Postdoc | | | Hoechst Chem. Co. Frankfurt, Germany |
| Manuela Schweiger | 1999-2001 Schroedinger Postdoc | | | Austria |
| Hajar Sepehrpour | 2014 Visiting Scholar | | | Shiraz University, Iran |
| BingBing Shi | 2018-2019 Postdoc | | | Full Professor, Northwest Normal University |
| Yanhui Shi | 2013, 2015 Visiting Scholar | | | Xuzhou Normal University |
| Michael Slany | 1995-96 Humboldt Postdoc | | | BASF, Germany |
| Yue Sun | 2018-2019 Visiting Scholar | | | Central China Normal University |
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| Frank Tabellion | 1999-2001 F. Lyman Postdoc | | | Saarbrucken, Germany |
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| Haoze Wang | 2015 Visiting Scholar | | | Zhejiang University, Hangzhou, China |
| Yilang Wang | 2019 Visiting Scholar | | | Shanghai University |
| Ming Wang | 2009-2011 Postdoc | | | Tufts University |
| Dehui Wang | 2018-2019 Visiting Scholar | | | Liaoning Shishua University, China |
| Xingwang Wang | 2018-2019 Visiting Scholar | | | Soochow University, China |
| Peifa Wei | 2014-2015 Visiting Scholar | | | Zhejiang University, Hangzhou, China |
| Horst Wingert | 1986-87 Postdoc | | | BASF, Germany |
| Lars G. Wistrand | 1979-80 Swedish NSF Postdoc | | | Hafslund Nycomed Innov. AB, Sweden |
| Ying Wu | 2013 Visiting Scholar | | | Zhejiang Normal University |
| Shipei Xing | Visiting Scholar | | | Zhejiang University, Hangzhou, China |
| Luonan Xu | 2018 Visiting Scholar | | | Ph D, the University of New South Wales |
| Xuzhou Yan | 2014-2016 Postdoc;  2012-2013 Visiting Scholar | | | Zhejiang University, Hangzhou, China |
| Haibo Yang | 2005-2008 Postdoc | | | East China Normal School, Shanghai |
| Yong Yang | 2014-2015 Visiting Scholar | | | Zhejiang Sci-Tech University, Hangzhou, China |
| Yong Yao | Postdoctoral Fellow | | | Ph.D. Zhejiang University, Hangzhou, China |
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| Huaxu Yu | Visiting Scholar | | | Zhejiang University, Hangzhou, China |
| Dengqing Zhang | 2014-2015 Visiting Scholar | | | Donghua University, Shanghai, China |
| Mingming Zhang | Postdoctoral Fellow | | | Ph.D. Zhejiang University, Hangzhou, China |
| Qian Zhang | 2018-2019 Visiting Scholar | | | Hangzhou Normal University, Hangzhou, China |
| Liang Zhao | 2007-2009 Postdoc | | | Tsinghua University, Beijing |
| Wanxiang Zhao | Postdoctoral Fellow | | | The Hong Kong University of Science and Technology |
| Yibo Zhao | Visiting Scholar | | | Ph D Tianjin University |
| Zhi Gag Zhao | 2009-2010 Postdoc | | | Southwest Univ. for Nationalities, China |
| Zilong Zhao | 2018-2019 Visiting Scholar | | | Associate Professor, Hunan University |
| Viktor V. Zhdankin | 1990-93 Postdoc | | | University of Minnesota, Duluth |
| Fengyan Zhou | 2013 Visiting Scholar | | | Zaozhuang University, China |
| Jian-Hong Tang | Visiting Scholar/Researcher | | | University of Cincinnati, Ohio |
| Yanrong Li | Visiting Scholar | | | University of Illinois Urbana-Champaign Illinois |
| Wenzhuo Chen | Visiting Scholar | | | Northwestern Polytechnical University, Xi’an, China |
| Xin Li  Hajar Sepehrpour  Yan Sun  Zaiwen Yang  Xingmao Chang  Wei Tuo  Yanling He  Huangtianzhi Zhu  Qi Li  Idongesit Justina Mbonu  Zhao Chen | Visiting Scholar  Postdoctoral Fellow  Visiting Scholar/Researcher  Visiting Scholar  Visiting Scholar  Visiting Scholar  Visiting Scholar  Visiting Scholar  Visiting Scholar  Visiting Scholar  Visiting Scholar | | | Guangzhou, China  Shiraz University, Iran  Yangzhou University, Yangzhou China  Xi’an, China  Shaanxi Normal University. Xi’an China  Huazhong Normal University, Wuhan, China  Liaocheng University, Liaocheng, China  Zhejiang University, Hanzhou, China  Zhejiang University, Hanzhou, China  Federal University of Petroleum Resouces Etturun, Delta State, Nigeria  Jiangxi Scince and Technology Normal University Nan Chang, China |

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| --- | --- | --- |
| Sushil Ranjan  Bhatta  Yusen Li | Visiting Scholar  Visiting Scholar | Indian Institute of Technology, Kanpur  Henan University, Kaifeng, China |
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**CURRENT RESEARCH ASSOCIATES**

**TEACHING**

**Undergraduate:**

Chemistry 2310 (Org. Chem. 1)

Chemistry 2311 (Honors General Organic Chemistry) Chemistry 2310 (Honors General Organic Chemistry) **Graduate:**

Chemistry 622 (Spectroscopy for Organic Chemists, Optical, NMR including C-13 Mass Spectroscopy, etc.) Chemistry 624 (Mechanistic, Physical-Organic Chemistry)

**ADMINISTRATIVE AND COMMITTEE (LAST 15 YEARS)**

Personnel Committee, 2007-

Faculty Awards and Public Relations Committee, 2007- Dean, College of Science, 1997-2006

Chair, Search Committee Senior Vice President for Academic Affairs, 1998 Faculty Budget & Advisory Committee, 1997-2001

Honors Program Advisory Committee, 1997-2001 Regent's Presidential Search Committee, 1997

Faculty Committee on Community and Governmental Relations, 1995-1998 Board of Trustee's Honorary Degree Committee, 1996-1998

University Promotion and Tenure Advisory Committee, 1995-1998 University Salaries & Annuities Committee, 1994-1997

Chair, Department of Chemistry, 1989-199

# PUBLICATIONS OF PETER J. STANG

**B: Book; C: Communication or Note; P: Full Paper; R: Review, Book-Chapter 1964-1968**

1. **C** A Convenient Preparation of Methanol-d, A. Streitwieser, Jr., L. Verbit, P.J. Stang, J.Org.Chem. **1964**, 29, 3706.
2. **C** Boron Fluoride-Alcohol Alkylation, III, Stereochemistry of Alkylation of Benzene with 1-Propanol-l-d3, A. Streitwieser, Jr., P.J. Stang J. Am. Chem. Soc. **1965,** 87, 4953.
3. **R** Physical Organic Chemistry: Quantitative Conformation Analysis, Calculation Methods, J.E. Williams, P.J. Stang, and P.v.R. Schleyer Ann. Rev. Phys. Chem. **1968**, 19, 531-558.

# 1969-1973

1. **C** Preparation and Solvolysis of Vinyl Trifluoromethanesulfonate. I. Evidence for Simple Alkylvinyl Cation Intermediates, P.J. Stang and R. Summerville, J. Am. Chem. Soc. **1969**, 91, 4600-4601.
2. **C** 1-*tert*-Butylvinyl Trifluoromethanesulfonate: Solvolysis and Rearrangement *via* a Vinyl Cation, A.G. Martinez, M. Hanack, R.H. Summerville, P.v.R. Schleyer, and P.J. Stang, Angew. Chem. Int. Ed., Engl. **1970**, 9, 302-303.
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7. **B** Organic Spectroscopy, Principles and Application, P. Laszlo and P.J. Stang, Harper & Row Publishers, New York, 1971.
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2. **B** Spectroscopic Organique: Principes et Applications, P. Laszlo and P.J. Stang, Hermann, Paris, 1972.
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C.A. Senkler, P.v.R. Schleyer, T.E. Dueber, and P.J. Stang, J. Amer. Chem Soc. **1974**, 96, 1100-1110.

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10. **P** Single-Step Improved Synthesis of Primary and Other Vinyl Trifluoromethanesulfonates, P.J. Stang and W. Treptow, Synthesis **1980**, 283-284.
11. **R** Allene Oxides and Related Species, P.J. Stang in Chemistry of Ethers, Crown Ethers, Hydroxyl Groups and Their Sulphur Analogs, S. Patai, Ed., J. Wiley & Sons, London, **1980**; Chapt. 19, pp. 859-879.
12. **C** σ-Cumulenic Transition Metal Compounds. Remarkably Stable Cobaloxime Complexes; R2C=C=C=CHCo(dmg)2py, P.J. Stang and L. Wistrand, J. Organomet. Chem. **1981**, 204, 405-409.
13. **P** Synthesis of 1-(Butadiynyl)-vinyl Trifluoromethanesulfonates, P.J. Stang and M. Ladika, Synthesis **1981**, 29-30.
14. **P** α-Silicon and α-Alkynyl Substituted Vinyl Cations, M.D. Schiavelli, D.M. Jung, A.K. Vaden, P.J. Stang, T.E. Fisk, and D.S. Morrison, J. Org. Chem. **1981**, 46, 92-95.
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