

*curriculum vitae of Gregory A. Voth***Education**

- Ph.D. in Theoretical Chemistry, California Institute of Technology, June 1987
- B.S. in Chemistry, University of Kansas, May 1981, Graduation with Highest Distinction and Honors

Professional Experience

- University of Chicago: Haig P. Papazian Distinguished Service Professor, Department of Chemistry, James Franck Institute, and Institute for Biophysical Dynamics; Inaugural Director of the Chicago Center for Theoretical Chemistry, July 2018–Sept 2020
- University of Utah: Distinguished Professor of Chemistry and Director of the Center for Biophysical Modeling and Simulation, January 1997 – June 2010
- University of Pennsylvania: Assistant Professor of Chemistry, July 1989 – June 1994
Associate Professor of Chemistry with Tenure, July 1994 – Dec.1996
- University of California, Berkeley: IBM Postdoctoral Research Fellow, 1987 – 89

Awards and Honors

- Carolyn Cohen Innovation Award, The Biophysical Society, 2021
- S.F. Boys-A. Rahman Award for Outstanding Innovative Research in Computational Chemistry, UK, 2019
- Elected Fellow of the Royal Society of Chemistry, United Kingdom, 2019
- Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids, American Chemical Society National Award, 2019
- Stanislaw M. Ulam Distinguished Scholar, Los Alamos National Laboratory, 2014
- American Chemical Society Division of Physical Chemistry Award in Theoretical Chemistry, 2013
- Elected to the International Academy of Quantum Molecular Science, 2013
- Elected Fellow of the Biophysical Society, Class of 2012
- Elected Fellow of the American Chemical Society, Inaugural Class, 2009
- University of Utah Distinguished Scholarly and Creative Research Award, 2008
- John Simon Guggenheim Memorial Fellowship, 2004–2005
- Miller Visiting Professorship, University of California, Berkeley, 2003
- National Science Foundation Creativity Award, 1998–2002
- Elected Fellow of the American Association for the Advancement of Science, 1999
- Elected Fellow of the American Physical Society, 1997
- IBM Corporation Faculty Research Award, 1997–99, 2003–05
- Camille Dreyfus Teacher-Scholar Award, 1994–1999
- Alfred P. Sloan Foundation Research Fellow, 1992–94
- National Science Foundation Presidential Young Investigator Award, 1991–96
- David and Lucile Packard Foundation Fellowship in Science and Engineering, 1990–95
- Camille and Henry Dreyfus Distinguished New Faculty Award, 1989
- The Francis and Milton Clauser Doctoral Prize, California Institute of Technology, 1987
- The Herbert Newby McCoy Award, California Institute of Technology, 1986
- The Procter and Gamble Award for Outstanding Research in Physical Chemistry, ACS, 1985

Named Lectures

- Annual Highlight Lecture, Thomas Young Centre for Materials Modelling, London, UK, 2019
- Keynote Lecture, European Biophysical Society/IUPAC Meeting, Madrid, Spain, 2019
- Charles C. Sweeley Lecture, Michigan State University, 2018
- Xing Da Lecture, Peking University, 2018
- Shneur Lifson Memorial Lecture, Weizmann Institute of Science, 2017
- Nakamoto Lecture, Marquette University, 2017
- Hong Kong University of Science and Technology, Institute for Advanced Study Distinguished Lecturer, 2017
- Science at the Edge Lecturer, Michigan State University, 2015
- Charles A. McDowell Lecture, University of British Columbia, 2012
- LA-SiGMA Lecture, Louisiana State University, 2012
- Keynote Speaker, Science2008, University of Pittsburgh, 2008
- Palke Lecturer, University of California, Santa Barbara, 2008
- Reilly Lecturer, University of Notre Dame, 1999

– Frontiers of Chemistry Lecturer, Wayne State University, 1999, 2012

Research Interests

Multiscale Theory and Simulation of Biomolecular, Material, and Soft Matter Systems; Proton and Charge Transport Processes in Complex Systems; Condensed Phase Quantum Processes, Theory and Simulation of Fluids, Ionic Liquids, Interfaces, and Solvation Phenomena; High Performance Computing

Publications: As of 3/27/22: 581 total publications, Google Scholar h-index = 114; i10 index = 534; total citations = 52,596; 17,890 since 2017. A link to the full publication list is found here: <https://www.ncbi.nlm.nih.gov/myncbi/gregory.voth.1/bibliography/public/>

Presentations: As of 3/27/2022: 498 invited lectures and seminars, including plenary and named lectures

Total Number of Graduate Students Advised and Postdoctoral Scholars Sponsored (Career): ~ 200

Total Number of Collaborators During Past Four Years: ~ 60

Professional Affiliation: American Chemical Society, The Biophysical Society, American Physical Society, AAAS

Professional Activities:

- Chair, Theory and Computation Subgroup, The Biophysical Society, 2021-22
- Chair, Physical Chemistry Division, American Chemical Society, 2008
- Chair, Physical Chemistry Division Strategic Planning Committee, American Chemical Society, 2009
- Chair-elect and Program Chair, Physical Chemistry Division, American Chemical Society, 2007
- Vice Chair, Physical Chemistry Division, American Chemical Society, 2006
- Invited Panelist, National Science Foundation Petascale Computing in Biology Initiative, 2006
- Vice Chair-Elect, Physical Chemistry Division, American Chemical Society, 2005
- Biophysical Society Fellow Election Committee, 2012 – Present
- Editorial Board, Biophysical Journal, 2005–2011
- Editorial Advisory Board, Journal of Chemical Theory and Computation, 2004–Present
- Editorial Advisory Board, Accounts of Chemical Research, 2003–2014
- Editorial Advisory Board, Theoretical Chemistry Accounts, 2003–2012
- Editorial Board, Journal of Chemical Physics, 2006–2008
- Editorial Advisory Board, The Journal of Physical Chemistry, 2003–2008
- Editorial Board, International Journal of Quantum Chemistry, 1998–2005
- Editorial Board, PhysChemComm, 2000–2005
- Charter Member, NIH MSFD (Computational Biophysics) Study Section, Oct. 2013-Present (Chair)
- Charter Member, NIH MSFB (Molecular Structure and Function) Study Section, Feb. 2005–June 2007
- Charter Member, NIH BBKA (Biophysics and Biochemistry) Study Section, Oct. 2003-Oct. 2004
- Ad Hoc Member, NIH MSFD (Computational Biophysics) Study Section, 2–08, 10–10, 6-11
- Ad Hoc Member, NIH BBM (Biophysics and Biochemistry of Membranes) Study Section 08, 09
- Ad Hoc Member, NIH BBKA Study Section, 97, 99
- External Review Panel, Molecular Theory and Modeling Group, Pacific Northwest National Laboratory, Department of Energy, March, 2007
- Advisory Board, ACS Petroleum Research Fund, 2000–2002
- Italian Ministry for Public Education, Committee for Research Evaluation (CIVR) Research Evaluation Exercise, Chemistry Experts Board, 2005–2010
- Member of the American Chemical Society Committee on Chemistry and Public Affairs (CCPA), 1997–2006
- Chair of the ACS CCPA Public Policy (Federal Funding) Subcommittee, 1999–2006
- Reviewer: *Biophysical Journal*, *The Journal of Chemical Physics*, *The Journal of Physical Chemistry*, *Chemical Physics*, *Chemical Physics Letters*, *The Journal of the American Chemical Society*, *The Journal of Computational Chemistry*, *Computer Physics Communications*, *Science*, *Nature*, *Accounts of Chemical Research*, *Molecular Physics*, *Nature*, *Physical Review Letters*, *Theoretical Chemistry Accounts*, *Proteins*, *Protein Science*, *Journal of Chemical Theory and Computation*, *PNAS*, *Biochemistry*, *PCCP*, (too many to list)
- Reviewer: The National Science Foundation Chemistry, Biology, and Materials Science Divisions; The National Institutes of Health; The Petroleum Research Fund of the American Chemical Society; The Research Corporation; The Israeli Science Foundation; Department of Energy, NSERC (Canada), Army Research Office, NWO (Netherlands), SNF (Switzerland), etc
- Panelist: The National Science Foundation High Performance Computing Initiative
- Board of Directors: Telluride Science Research Center, 1994–2001, 2006–2008

– Organizer or Co-Organizer of 50 conferences, meetings, workshops, and symposia

Former Voth Group Members

Graduate Students Supervised (with last known location) (58)

- Dr. Laura Watkins (Data Scientist, Kemper Insurance)
- Dr. Jaehyeok Jin (Postdoctoral Fellow, University of Chicago)
- Dr. Siyoung Kim (Postdoctoral Fellow, D. E. Shaw Research Group)
- Dr. Won Hee (Harry) Ryu (Postdoctoral Scholar, Oregon Health and Science University)
- Dr. Chenghan Li (Postdoctoral Fellow, California Institute of Technology)
- Dr. Zhefu Li (Policy and Data Analyst, Acumen LLC)
- Dr. Aleksander Durumeric (Postdoctoral Fellow, Freie Universität, Berlin)
- Dr. Paul B. Calio (Postdoctoral Fellow, University of Chicago)
- Dr. Zhi Wang (R&D Engineer, Sony Corporation, Japan)
- Dr. Zachary Jarin (Postdoctoral Fellow, National Institutes of Health)
- Dr. Yining Han (Associate, Goldman Sachs, Hong Kong)
- Dr. Thomas Dannenhofer-Lafage (Postdoctoral Fellow, National Institutes of Health)
- Dr. Morris Cohen Sharp (Data Scientist, Springboard, Seattle, WA)
- Dr. Jacob Wagner (Law Student, University of Akron School of Law)
- Prof. Ruibin Liang (Assistant Professor, Texas Tech University)
- Dr. James Dama (Leverage Research, Former Simons Fellow)
- Dr. Sangyun Lee (Postdoctoral Fellow, Weill Cornell Medicine, NYC)
- Prof. Mijo Simunovic (Assistant Professor, Columbia University Chem Eng)
- Dr. John Savage (Data Scientist, Nuritas, Dublin, Ireland)
- Dr. Zhen Cao (Research Scientist, KAUST Catalysis Center, Jedda, Saudi Arabia)
- Dr. Yuxing Peng (Scientific Computing Consultant, University of Chicago)
- Dr. Anton Sinitskiy (Scientist, Pfizer, Inc)
- Dr. J. Gardner Nelson (Staff Scientist, NantBioScience, Los Angeles, CA)
- Dr. Chun-Liang Lai (Principal Engineer, TSMC, Taiwan, Republic of China)
- Dr. Marissa Saunders (Data Scientist, Recursion Pharmaceuticals, Salt Lake City, UT)
- Dr. Haosheng Cui (Quantitative Research Analyst, Susquehanna International Group, LLP)
- Dr. Shulu Feng (Senior Scientist, Schrödinger, Inc., New York, NY)
- Dr. Hui Li (Writer / Illustrator, New York City)
- Dr. Jianqing Xu (Director, WuXi AppTec, Shanghai City, China)
- Prof. Hanning Chen (Assistant Professor, George Washington University)
- Dr. Craig Knox (Senior Chemical Engineer, Science & Technology Corporation)
- Dr. Richard Swenson (Orthopedic Surgeon, Penn State University)
- Dr. Mark Maupin (Senior Scientist, Proctor & Gamble)
- Dr. Wei Jiang (Principal Project Specialist, Argonne National Laboratory)
- Dr. Jiancong Xu (Patent Agent, Steinfl & Bruno LLP)
- Dr. Philip Blood (Senior Director of Research, Pittsburgh Supercomputing Center)
- Dr. Sterling Paramore (Staff Data Engineer, Inside Track)
- Dr. Dina Mirijanian (City Research Scientist, NYCDSA)
- Ms. Zhen Qin (matriculated with MS degree, Location Unknown)
- Dr. Matt Petersen (Adjunct Instructor, North Idaho College)
- Dr. Stephanie Atherton (Science Faculty, Judge Memorial Catholic High School, Utah)
- Dr. Tyler Hone (Vice President Resarch, Private Heritage Fund)
- Dr. Yujie Wu (Director of Free Energy Methods, Roivant Discovery, New York)
- Mr. Sun Kim (Medical Doctor)
- Mr. Brian Gau (Principal Scientist, Pfizer)
- Mr. Aaron Lefohn (Director of Graphics Research, NVIDIA)
- Dr. Amir Karger (Associate Director of Research Computing, Harvard Medical)
- Ms. Holly Randa (Robot Programmer, Myriad Genetics)
- Mr. Kirk VanOpdorp (Linux Systems Administrator, State Farm Insurance)

- Dr. Marc Pavese (Partner & Portfolio Manager, Lord Abbett)
- Prof. Seogjoo Jang (Professor, Queens College, Flushing, NY)
- Mr. Richard Evans (Associate Professor, Darden School of Business, University of Virginia)
- Dr. August Calhoun (Executive Vice President & President, Sales & Operation, Change Healthcare)
- Dr. Yuri Boroda (Owner, Areal Photography & Video)
- Dr. John Lobaugh (Executive Director, Morgan Stanley)
- Dr. George Haynes (Pharmacist at St. Francis Hospital, Philadelphia, PA)
- Prof. Ying-Chieh Sun (Professor of Chemistry, National Taiwan Normal University)
- Dr. Jay Straus (Patent Lawyer, New York)

Postdoctoral Fellows and Research Associates Supervised (with last known location) (123)

- Dr. Sriramvignesh Mani (Data Scientist, Amgen)
- Dr. Peng He (Research Investigator, Incyte Corporation)
- Prof. Alexander J. Pak (Assistant Professor, Chem & Bio Eng, Colorado School of Mines)
- Prof. Viviana Monje-Galvan (Assistant Professor, Chem & Bio Eng, University of Buffalo)
- Prof. Alexander Mironenko (Assistant Professor, Chem Eng, University of Illinois at Urbana-Champaign)
- Dr. Dudu Tong (Postdoctoral Fellow, University of Utah)
- Dr. Fikret Aydin (Postdoctoral Research Staff, Lawrence Livermore National Laboratory)
- Prof. Harshwardhan H. Katkar (Assistant Professor, Dept. of Chemical Eng, IIT Kanpur)
- Prof. Tamara Bidone (Assistant Professor, University of Utah, Dept of Bioeng and SCI Institute)
- Prof. Glen Hocky (Assistant Professor, New York University, Former NIH NRSA)
- Dr. Jesper Madsen (Research Assistant Professor, University of South Florida)
- Prof. Rui Sun (Assistant Professor, University of Hawaii)
- Prof. Chris Arntsen (Assistant Professor, Youngstown State University)
- Dr. Heather Mayes (Research Staff, National Renewable Energy Laboratory)
- Dr. John M. A. Grime (Emerging Technologies Librarian, University of Oklahoma)
- Dr. Aram Davtyan (CADD Scientist, Atomwise, Inc.)
- Dr. Chen Chen (Postdoctoral Fellow, Pennsylvania State University)
- Prof. Ying-Lung Steve Tse (Associate Professor, Chinese University of Hong Kong)
- Prof. Shule Liu (Associate Professor, Sun Yat-sen University, Guangzhou)
- Prof. Olaseni Sode (Assistant Professor, California State University, Los Angeles)
- Prof. Rajib Biswas (Assistant Professor, Assistant Professor, IIT-Tirupati, India)
- Prof. Anand Srivastava (Assistant Professor, Indian Institute of Science, Bangalore, India)
- Dr. Anirban Polley (Associate Professor, SASTRA University, Tamil Nadu, India)
- Dr. Yuxing Peng (Scientific Computing Consultant, Research Computing Center, UChicago)
- Prof. Andrew White (Assistant Professor, University of Rochester)
- Prof. Gerrick Lindberg (Associate Professor, Northern Arizona University)
- Dr. Christopher Knight (Computational Scientist / Catalyst Team Lead, Argonne National Lab)
- Prof. Joseph Baker (Associate Professor, The College of New Jersey)
- Prof. Martin McCullagh (Assistant Professor, Oklahoma State University, former NIH NRSA)
- Prof. Jianing Li (Associate Professor, University of Vermont)
- Dr. Daniel Silverstein (Research Scientist, Universal Display Corporation)
- Dr. Carolyn Phillips (Principal Engineer (Data Scientist), Wayfair)
- Dr. Adrian Lange (Senior Data Scientist, Applied Machine Learning, Evozyne)
- Prof. Frank Vazquez (Assistant Professor, St. John's University)
- Prof. Jun Fan (Associate Professor, City University of Hong Kong)
- Prof. Revati Kumar (Associate Professor, Louisiana State University)
- Prof. Ryan Jorn (Assistant Professor, Villanova University)
- Prof. Amanda Jonsson (Assistant Professor, University of Wisconsin-Stevens Point)
- Dr. Marissa Saunders (Data Scientist, Recursion Pharmaceuticals, Salt Lake City, UT)
- Dr. Daniel Parton (Director & Lead Data Scientist, Bardess Group Ltd, NY)
- Prof. Isaiah Sumner (Associate Professor, James Madison University, former NIH NRSA)
- Dr. Anuj Chaudhri (Scientist & Director of Research, Arigos Biomedical Inc, California)
- Prof. Eva González Noya (Researcher, Instituto Química-Física Rocasolano, Madrid, Spain)

- Prof. Lanyuan Lu (Associate Professor, Nanyang Technological University, Singapore)
- Prof. Andrea Grafmüller (Group Leader, Max Planck Institute, Potsdam)
- Prof. Edward Lyman (Associate Professor, University of Delaware, Dept. of Physics)
- Dr. Mark Maupin (Senior Scientist, Proctor and Gamble)
- Prof. Zhiyong Zhang (Professor, University of Science and Technology of China, Hefei)
- Dr. Takefumi Yamashita (Project Associate Professor, University of Tokyo)
- Dr. Tae Hoon Choi (Department of Chemical Engineering Education, Chungnam National U)
- Dr. Yong Zhang (Senior Scientist, Notre Dame University)
- Dr. Gary Ayton (Physics Teacher and Dept Head, Judge Memorial High School, Salt Lake City)
- Dr. Matt Petersen (Adjunct Instructor, North Idaho College)
- Prof. Luca Larini (Assistant Professor of Physics, Rutgers University, Camden, NJ)
- Dr. Vinod Krishna (Scientific Staff, Johnson and Johnson Pharmaceuticals)
- Prof. Ron Hills (Associate Professor, College of Pharmacy, University of New England)
- Prof. James Pfaendtner (Professor, University of Washington, Department of Chem. Eng.)
- Prof. Ian Thorpe (Risk Manager, DynPort Vaccine Company LLC, A GDIT Company)
- Prof. Francesco Paesani (Professor, University of California, San Diego)
- Dr. Sven Jakobtorweihen (Senior Research Associate, Hamburg University of Technology)
- Dr. Sergey Izvekov (Scientist, U.S. Army CCDC Army Research Laboratory)
- Dr. Eric Heatwole (Unknown)
- Dr. Kim Wong (Research Professor, University of Pittsburgh)
- Dr. Pu Liu (Quantitative Strategist, Head of Modeling and Analytics, Lincoln Financial Group, PA)
- Dr. Brian Hopkins (Deputy Chief Information Officer for Academic Technology, U of Mississippi)
- Prof. Satoru Iuchi (Assistant Professor, Nagoya University, Japan)
- Prof. Jessica Swanson (Assistant Professor, University of Utah, Former NIH NRSA Fellow)
- Prof. William Noid (Professor, Pennsylvania State University, former NIH NRSA Fellow)
- Prof. Yanting Wang (Professor, Chinese Academy of Science, Beijing, China)
- Dr. Zunjing Wang (Research Scholar, Carnegie Mellon University, Dept. of Physics)
- Dr. Yeshitila Gebremichael (Research Scientist, University of Georgia)
- Prof. Qiang Shi (Professor, Chinese Academy of Sciences, Beijing, China)
- Prof. Dong Wang (Associate Professor, Department of Chemistry, Tsinghua University, China)
- Dr. Yujie Wu (Senior Principle Scientist; Schrödinger, Inc.; New York)
- Prof. Michele Ceotto (Associate Professor, University of Milan, Italy)
- Prof. Jhih-Wei Chu (Professor, National Chiao Tung University, Taiwan)
- Prof. Jian Zhou (Professor, School of Chemical Engineering, S. China Univ. of Tech.)
- Prof. Arun Ventkatnathan (Associate Professor, IISER, India)
- Prof. Feng Wang (Professor, University of Arkansas)
- Dr. Arnold Tharrington (Computational Scientist, Oak Ridge National Laboratory)
- Dr. Jonggu Jeon (Research Professor, Department of Chemistry, Korea University, Seoul)
- Prof. Rakwoo Chang (Professor, University of Seoul, South Korea)
- Dr. J. Liam McWhirter (Postdoc, Germany)
- Dr. Christian Burnham (Research Engineer, University College Dublin)
- Dr. Boaz Ilan (Affiliate, BioTEiS, Inc., New York)
- Prof. Tianying Yan (Professor, Nankai University, China)
- Dr. Mario Del Popolo (Professor, Universidad Nacional de Cuyo Mendoza, Argentina)
- Dr. Claudia Troparevsky (Research Assistant Professor, Joint Institute for Computaions Sciences)
- Dr. Harald Tepper (MT Member Group Sustainability and Program lead Circular Economy, Philips)
- Dr. Jaejin-Being Ka (Postdoc, University of Kansas)
- Dr. Hongwei Xie (Senior Research Scientist, Waters Corp)
- Prof. Nadia Rega (Professor, University of Naples, Italy)
- Dr. Misha Ovchinnikov (Director of Applied Research, Alcon, A Novartis Division)
- Prof. Tateki Ishida (Assistant Professor, Institute for Molecular Science, Japan)
- Dr. Alexander Smondyrev (Sr. Scientist, Schrödinger, Inc., New York)
- Dr. Tyler Day (Executive Director, Schrödinger, Inc., New York)
- Dr. Hilaire Chevreau (Laboratoire de Chimie Theorique, Univ. Pierre et Marie Curie, FR)
- Prof. James Lewis (Professor, West Virginia University)

- Dr. Mark Brewer (Scientific Account Manager, Genedata, UK.)
- Dr. Kurt Glaesmann (Scientific Staff, Pacific Northwest National Lab)
- Dr. Martin Cuma (Research Scientist, CEMI, University of Utah)
- Dr. Udo Schmitt (Freelance Big Data Scientist & IT Consultant, UWSscience, Germany)
- Dr. Soonmin Jang (Professor of Chemistry, Sejong University, Korea)
- Prof. Eitan Geva (Professor of Chemistry, University of Michigan)
- Dr. Sharon Geva (Director of Advanced Research Computing, University of Michigan)
- Prof. Dmitry Matyushov (Professor of Chemistry and Physics, Arizona State University)
- Prof. Pierre-Nicholas Roy (Professor of Chemistry, University of Waterloo, Canada)
- Prof. David Reichman (Professor of Chemistry, Columbia University, former NIH NRSA)
- Dr. Alain Mazzolo (Programmer, Infotel, Paris, France)
- Dr. Yongshang Pak (Location Unknown)
- Dr. Charles Schwieters (Research Staff, National Institutes of Health)
- Dr. Lowell Ungar (Senior Policy Advisor, American Council for an Energy-Efficient Economy)
- Dr. Sanjay Chawla (Senior Director, Model Risk, Freddie Mac)
- Dr. Dan Berard (Staff, MSI, Inc., San Diego, CA)
- Dr. Charles Ursenbach (Senior Research Developer, Arcis Corporation)
- Prof. Srinivasan Iyengar (Associate Professor of Chemistry, Indiana University)
- Prof. Rigoberto Hernandez (Professor of Chemistry, Johns Hopkins University)
- Prof. Jianshu Cao (Professor of Chemistry, Massachusetts Institute of Technology)
- Prof. Jie-Lou Liao (Professor of Physical Chemistry, USTC, China)
- Dr. Huadong Gai (Insurance Technical Analyst, Seattle, WA)
- Dr. Alexander Soudakov (Research Faculty, Yale University)
- Dr. Daohui Li (R&D Manager, Dynex Semiconductors, Lincoln, UK)
- Dr. Indrani Bhattacharya-Kodali (Research & Engineering, AT&T Laboratories)

Undergraduate Students Supervised (with last known location) (28)

- Ms. Stephanie Taylor (Graduate Student in MS&E, UCLA)
- Mr. Cong Wang (Graduate Student, Massachusetts Institute of Technology)
- Mr. Da Teng (Graduate Student, University of Chicago)
- Mr. Shuming Liu (Graduate Student, Massachusetts Institute of Technology)
- Mr. Naveen Mohideen (Cornell Undergraduate Student)
- Mr. Diego Eleazar Luevano (Medical Student, University of Tulsa)
- Ms. Mary Elizabeth Wagner (Graduate Student, Massachusetts Institute of Technology)
- Mr. Michael Roundtree (Director of Education and STEM Programs, FAST Mentoring)
- Mr. Patrick Morgan (Senior Financial Data Analyst, University of Chicago.)
- Ms. Elizabeth Black (Private Instructor, Self Employed)
- Mr. Rafael Soto (Software Engineer, Oracle Corporation)
- Mr. Eli Alster (Graduate Student, Northwestern University)
- Mr. Jean Vilus (Medical Student, Boston University)
- Ms. Tiffany King (Graduate Student, The Ohio State University, Biomedical Sciences)
- Mr. Tre Wells (Graduate Student, University of Virginia)
- Mr. David Cherry (Graduate Student, Clemson University)
- Mr. Grant M. Rotskoff (Assistant Professor, Stanford University)
- Ms. Lisa Felberg (Software Engineer, Square, Inc.)
- Mr. Dayton Thorpe (Data Scientist, Valor Equity Partners)
- Ms. Alison Hatt (Director, User Program, Molecular Foundry, LBNL)
- Dr. Sun Kim (Medical Doctor)
- Dr. Michael Small (Lecturer, San Francisco State University)
- Mr. David Small (Post Doctoral Scholar, University of California, Berkeley)
- Mr. Jonathan Usuka (Senior Expert, McKinsey & Company)
- Mr. Daren Lockwood (Quantitative Development Group Leader, Milliman, Evanston, IL)
- Mr. Christian DeBry (Software Developer, Degreed)

- Mr. Tim Hollebeck (Standard Representative, at CA/Browser Forum)
- Mr. Charles Ledogar (Senior Engineering Manager, Zillow Group)

Biography

Gregory A. Voth is the Haig P. Papazian Distinguished Service Professor of Chemistry at the University of Chicago. He is also a Professor of the James Franck Institute and the Institute for Biophysical Dynamics. He received a Ph.D. in Theoretical Chemistry from the California Institute of Technology in 1987 and was an IBM Postdoctoral Fellow at the University of California, Berkeley from 1987-89. Professor Voth is a leader in the development and application of theoretical and computational methods to study problems involving the structure and dynamics of complex condensed phase systems, including proteins, membranes, liquids, and materials. He is the author or co-author of more than 580 peer-reviewed scientific articles that have been cited approximately 53,000 times with a current h-index of 114. Voth is a Fellow of the American Chemical Society, American Physical Society, The Biophysical Society, The Royal Society of Chemistry, and the American Association for the Advancement of Science. He has received a number of awards and other forms of recognition for his work, including most recently the Carolyn Cohen Innovation Award from the Biophysical Society, the S.F. Boys-A. Rahman Award for Outstanding Innovative Research in Computational Chemistry from the Royal Society of Chemistry, the Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids from the American Chemical Society, the ACS Division of Physical Chemistry Award in Theoretical Chemistry, and Election to the International Academy of Quantum Molecular Science. He has mentored approximately 200 postdoctoral fellows and graduate students.

Professor Voth is a leader in the development and application of theoretical and computational methods to study problems involving the structure and dynamics of complex condensed phase systems, including proteins, membranes, liquids, and materials. He has pioneered a method known as “multiscale coarse-graining” in which the resolution of the molecular-scale entities is reduced into simpler structures, but key information on their interactions is accurately retained (or renormalized) so the resulting computer simulation can accurately and efficiently predict the properties of large assemblies of complex molecules such as lipids and proteins. This method is multiscale, meaning it describes complex condensed phase and biomolecular systems from the molecular scale to the mesoscale and ultimately to the macroscopic scale. Professor Voth’s other research interests include the study of charge transport (protons and electrons) in water and biomolecules – a fundamental process in living organisms and other systems that has been poorly understood because of its complexity. He also studies the exotic behavior of room-temperature ionic liquids and other complex materials such as nanoparticle self-assembly, polymer electrolyte membranes for fuel cells, and electrode-electrolyte interfaces in energy storage devices. In the earlier part of his career, Professor Voth extensively developed and applied new methods to study quantum and electron transfer dynamics in condensed phase systems-much of this work was based on the Feynman path integral description of quantum mechanics.