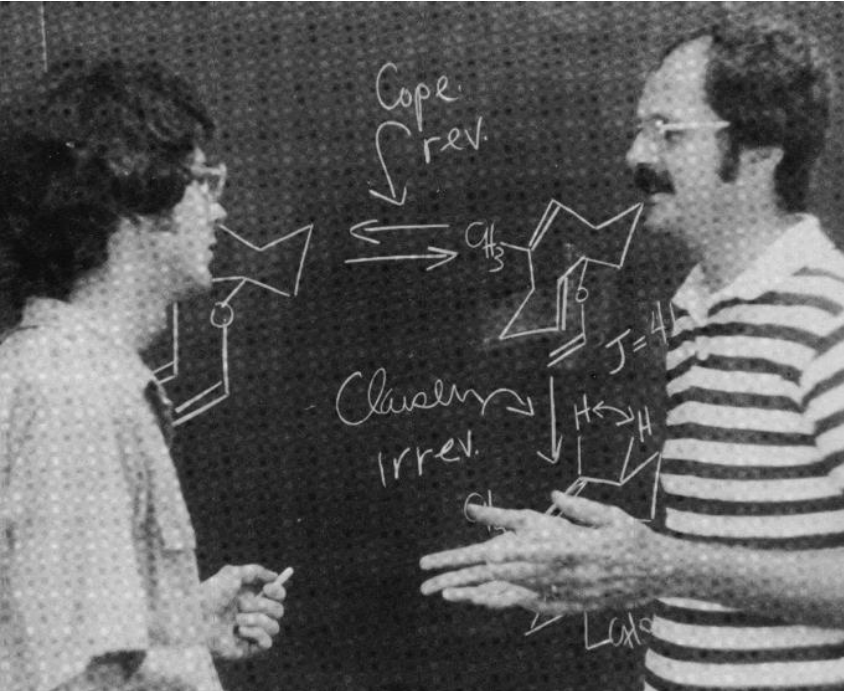




What I've Done Since My Yale Degree

ALUMNI PROFILES

Yale Department of Chemistry



John J. Piwinski '80 Ph.D.

Studied: Organic Synthesis with Professor Frederick E. Ziegler

Recent activities and accomplishments

- Was Head of Medicinal Chemistry at Schering-Plough Pharmaceuticals (1999 - 2008)
- Site Head in Cambridge, MA, Schering-Plough Research Institute (2008-2010)
- American Chemical Society Fellow

Personal

- Living in Clinton, NJ
- Married to Barbara, 2 daughters

"I had so much fun with my research on developing the Cope-Claisen Rearrangement working with Professor Frederick E. Ziegler."



Michael Willis Vary '79 Ph.D.

Studied: Physical Organic Chemistry (McBride Group)

After graduation went to law school at Case Western Reserve University and received Juris Doctor, 1982.

Current Title: Chairman, The Vary Foundation

Career: Devoted over 40 years of my professional life representing clients around the world and trying (or settling) technical contract and patent cases involving polymers, polymer additives, polymer methods, and other technical issues. Recently appointed by a federal judge to Special Master in a pre-polymer patent case. Also recently handled trademark cases adverse to Jimmy Buffett and another case adverse to the estate of Prince Rogers Nelson.

Personal: Father of three, Grandfather of nine.

Memories: I have many fond memories of group meetings, and long nights in the spectroscopy lab and on the PDP 1140 computer. Camaraderie and fellowship at the GPSC bar.



Bob Dion '83 Ph.D.

Studied: Organic and Organometallic Chemistry

Recent activities and accomplishments

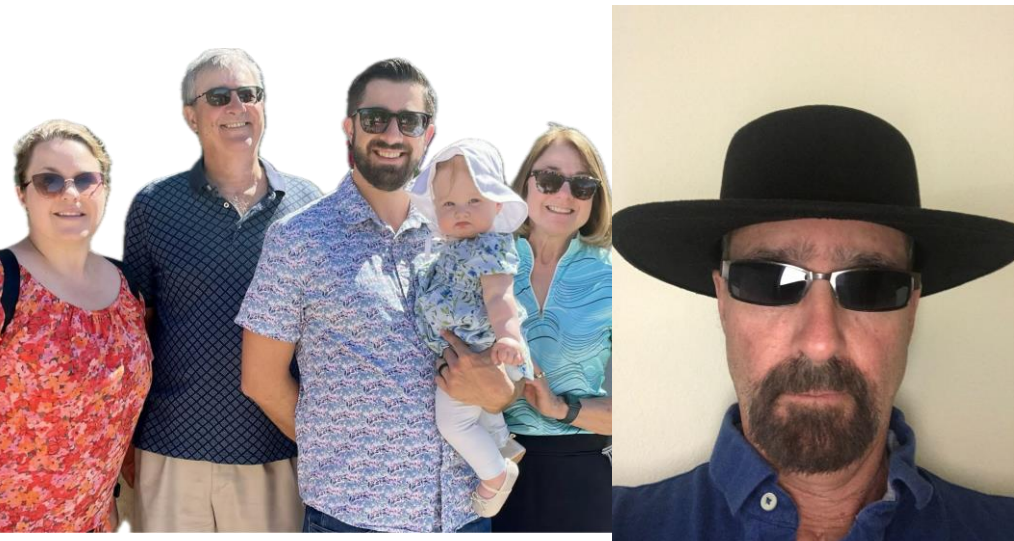
- Polymer Chemist/Materials Scientist, The Dow Chemical Company
- Taught Gen Chem, O-chem, Polymer Chemistry, Chemistry of Art at California Lutheran University
- Grampa

Best memory

“Halloween parties and watching the Muppet Show on cumulative exam nights after passing my eighth!”



Wasserman Group ~1980. I'm the bearded guy in the middle



Grandpa- 2024



Lecturing as Heisenberg- 2017

Doug Anton '83 Ph.D.

Long, rewarding career at DuPont CRD and various businesses.
R+D, Product Development, Customer Support, and Sales.
Spent most of my career at the business/technical interface

Retired as a Senior Research Fellow

Won DuPont's highest award for Marketing

Many products; most involving fluorochemistry, coatings and
surface science with some biotechnology and agriculture thrown in.

38 Patents, half a dozen technical papers and a substantial review
article on fluorinated surfaces

Fun career fact: travelled to Lichtenstein for a sales call



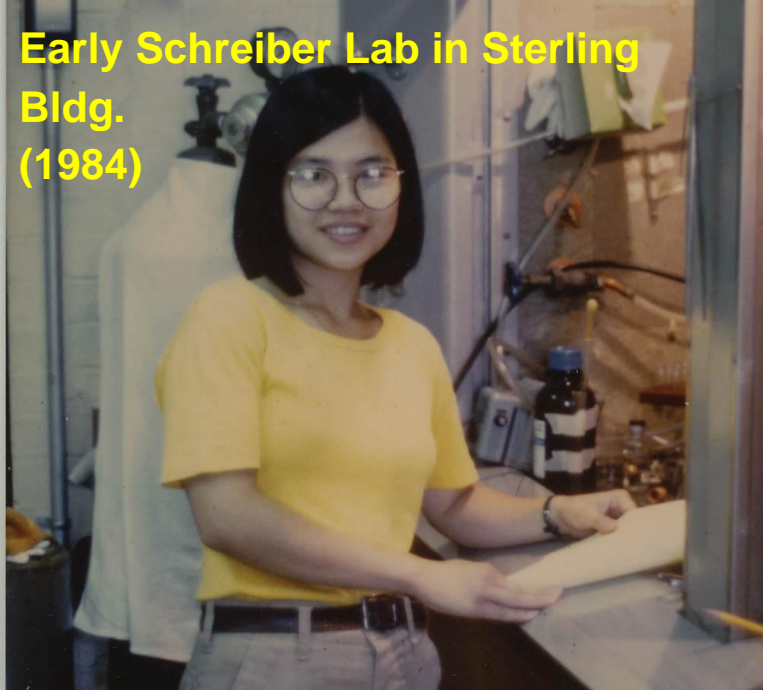
Experiments come
In different sizes



An early Crabtree student



Best Thing I got from Yale



Waifong Liew Anton '86 Ph.D.

Ph.D. Dissertation topic: Regio- & Stereo-controlled Reactions of α -Alkoxy Hydroperoxides. Synthesis of Esters, Lactones, and Olefin-containing Macrolides

Over 33 years of Research & Development at DuPont, Wilmington, DE

- Technical Fellow, with around 30 patents
- Best part of work: leading interactions with wide range of companies, and in different countries
- Focused on applications of acrylic and polyurethane technologies in new markets including contact lens, cosmetics, coatings and inks; majority of years in printing and ink jet technology

Enjoying retirement since in 2019





David E. Budil '78 B.S.

Assoc. Professor, Dept. of Chemistry & Chemical Biology,
Northeastern University

Studied: Exciton transfer in organic crystals and thermal lensing spectroscopy (lab of Steven Colson)

Recent activities and accomplishments

- Associate Dean for Research & Graduate Affairs, College of Science (2011-2019)
- Interim Chair, Dept. of Chemistry & Chemical Biology (2019-2021)
- Member, Quantum Materials and Sensors Institute, Burlington MA (2023)
- Violist and violinist in amateur orchestras in Boston area

Best memory

Singing “Grignard the Beautiful” in Harry Wasserman’s Organic Chemistry class.





Kathy Gisser '87 B.S., Ph.D. (nee Collen)

Research Fellow, Innovation Partnerships, Sherwin-Williams

Studied: Senior Thesis: Fractal Gold Colloids
Ph.D. Inorganic Chemistry (University of Wisconsin,
Madison): Shape-Memory Alloys

Recent activities and accomplishments

- Motion Picture Product Development Chemist at Eastman Kodak (1992-2006).
- Read about my career in Goodman, D. (2019). *Find Your Path: Unconventional Lessons from 36 Leading Scientists and Engineers*. MIT Press.

Best memory

Bob Crabtree's career advice, "Consider the cost of your research interests" has served me well over the years.





Katherine Turner Alben '76 Ph.D.

Studied: physical chemistry - design and construction of molecular beam machine to study organic reactions

Recent activities and accomplishments

- 1977-2017 research scientist
- Environmental Health Sciences, Wadsworth Center, NY State Dept Health
- 1990-2020 Asst Prof, Environ Health Sciences, School of Public Health, U Albany

Best memory

“Lab: privilege of working in new area of molecular beam research.

Group: RJ Cross chicken Kiev dinners and other group culinary investigations”



Then

Learning about
NMR (1976)



Mid-Career

Teaching at European
School of
Medical Physics
(2008)



Now

A retirement
activity (2024)



Jeffrey R. Alger '79 Ph.D.

PROFESSOR EMERITUS, DEPARTMENTS OF NEUROLOGY AND
RADIOLOGICAL SCIENCES, UCLA
ADJUNCT PROFESSOR, ADVANCED IMAGING RESEARCH CENTER, UT
SOUTHWESTERN MEDICAL CENTER
CTO, HURA IMAGING

Dissertation: Magnetization transfer studies of membrane permeation

Career highlights

- Graduated 4 PhD students (in Medical Physics)
- Taught graduate courses in MRI Physics and Human Anatomy
- Lectured on MRI at European School of Medical Physics (2001-13)
- Fellow of International Society of Magnetic Resonance in Medicine
- Funded by NIH (but not enough!)
- NIH Study Section service (2005-16)
- NIH Study Section Chair (2008-9)
- Early research contributions to MRS of brain tumors and to diffusion/perfusion MRI in stroke
- More than 225 peer-reviewed publications (and counting)

Best memory

“I received an absolutely fantastic education in NMR from Jim Prestegard that propelled me onward to a very interesting career.”

James K. Baird '63 B.S.

PROFESSOR, DEPARTMENT OF CHEMISTRY
UNIVERSITY OF ALABAMA IN HUNTSVILLE

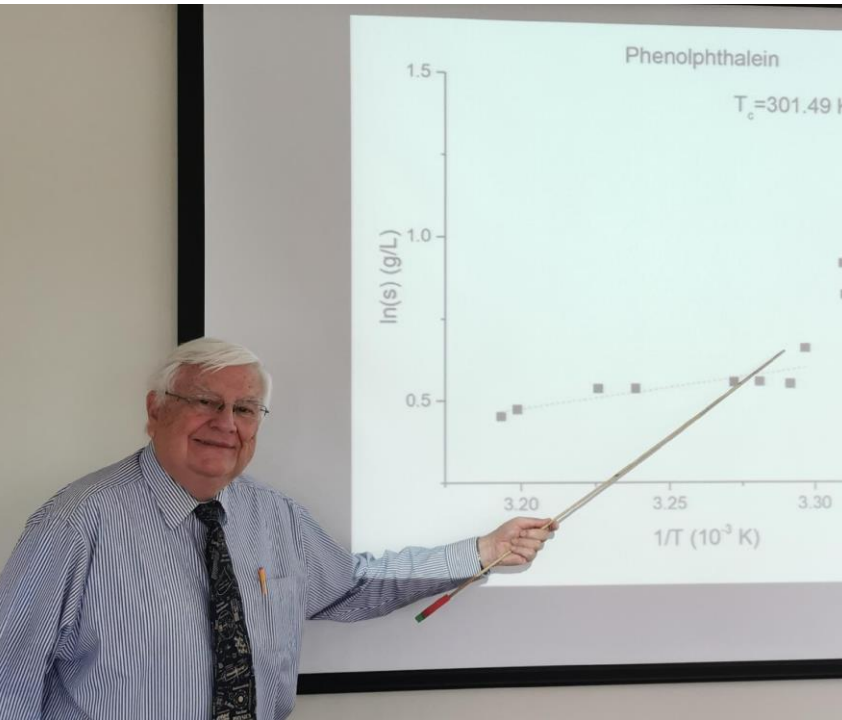
Studied: Undergraduate chemistry, physics, and mathematics

Recent activities and accomplishments

Since I did not develop enough hobbies when I was young, I am not retired but continue with my teaching and academic research.

Best memory

“Chemistry 14 lectures delivered by Dr. John P. Chesick.”





Alan J Biloski '78 B.A./M.S., Ph.D., M.B.A.

SENIOR MANAGING DIRECTOR & HEAD OF LIFE SCIENCES
BROCK CAPITAL

Studied: Synthetic organic chemistry

Recent activities and accomplishments

- Mostly retired and LOVING IT!
- Adjunct Professor and Head of Wall Street Program (Investment Banking, Research and Sales & Trading) Samuel Curtis Johnson Graduate School of Business, Cornell University
- Global Head of Pharma/Biotech M&A, Merrill Lynch (1998-2001)
- Managing Director and Group Head Healthcare Wasserstein Perella (1990-1998)
- Associate Health Care M&A The First Boston Corp (1986-1990)
- Assistant to Dr. Roy Vagelos, Global head of R&D Merck Sharpe Dohme Research (1984-1986)



Wan Cheung '82 Ph.D.

SEMI-RETIRED PATENT ATTORNEY

Studied: Optical-optical double resonance multiphoton ionization of nitric oxide

Career summary and recent activities

- Performed scientific research in defense contracts, semiconductor and fiber-optics R&D
- Stayed in touch with technologies as a patent attorney
- Trying to stay fit and active these days

Best memory

“Camaraderie among fellow classmates. Sheer joy upon seeing long-awaited signals on a screen!”



Alfredo Bracamonte Corbella '03 Ph.D.

LTD DIRECTOR OF ENVIRONMENTAL STRATEGY, INTEL CORP.

Studied: Physical Chemistry, non-linear spectroscopy
DFWM

Recent activities and accomplishments

Coordination of net zero emission strategies and reduction of tool facility demand with main semiconductor equipment suppliers (AMAT, ASML, ASM, LAM among others)

Best memory

“Preparing mementos for all graduating students in the Vaccaro Lab.”



Victoria Mooney '14 Ph.D.

PRINCIPAL RESEARCH SCIENTIST , VERTEX PHARMACEUTICALS, INC.

Studied: Spectroscopic Characterization of Transmembrane Photoreceptors

Recent activities and accomplishments

- Post-Doc at Florida State University, 2013- 2016
- Analytical development lead for Vertex' lead pain asset
- Raising my 4 kids (11 - 18 years old)

Best memory

“Watching Kurt Zilm solve Mol Rad questions in class while balancing my 1.5-year-old daughter on his hip.”





Gordon Turner '03 Ph.D.

DIRECTOR, DATA SCIENCE, CARDIOVASCULAR AND METABOLISM,
NOVARTIS BIOMEDICAL RESEARCH

Studied: Time-resolved THz Spectroscopy with Charles Schmuttenmaer

Recent activities and accomplishments

- Novartis Cardiovascular Research, 2005-present
- Post-doc, Center for Molecular Imaging Research, Harvard Medical School, 2003-2005
- Volunteer for my town's Conservation Commission

Best memory

“Gatherings at the Schmuttenmaer home.”





Kevin Gardner '95 Ph.D.

DIRECTOR, STRUCTURAL BIOLOGY - CUNY ADVANCED SCIENCE RESEARCH CENTER; PROFESSOR, CITY COLLEGE OF NEW YORK

Studied: Metalloprotein NMR and biochemistry

Recent activities and accomplishments

- Postdoc, Univ Toronto 1995-1998; Professor, UT Southwestern Med Ctr 1998-2014; CUNY & CCNY 2014-present
- Founded CUNY new research center, 2014-now
- Spun out academic small molecule discovery program to biotech, leading to Merck's belzutifan

Best memory

“NMR supergroup meetings – great friendships and science discussions across traditional lab & departmental boundaries”

1995



D.S. Fahmeed Hyder '95 Ph.D.

- Professor, Biomedical Engineering (Yale University)
- Professor, Radiology & Biomedical Imaging (Yale University)
- Head, MRS Group @ MRRC (Yale University)
- Head, Trumbull College (Yale University)

Studied: Assessment of regional hemodynamics and metabolism in rat brain by *in vivo* nuclear magnetic resonance

Recent activities and accomplishments

- Founder, InnovaCyclics LLC
- Fellow, American Institute for Medical & Biological Engineering
- Distinguished Investigator, Academy of Radiology & Biomedical Imaging Research
- Board of Directors, International Society of Cerebral Blood Flow & Metabolism
- General Assembly Official Citation, State of Connecticut
- 25 Years of Continuous NIH Funding (\$35m)
- 250 peer-reviewed papers, 2 books (h-index 75)

Best memory

“In college I learned NMR from Michael Fuson (a Yale PhD alumnus from Jim Prestegard lab), a passion which continued in grad school under guidance of Robert Shulman. The field of in vivo NMR keeps showing me benefits of rejuvenation.”

2023



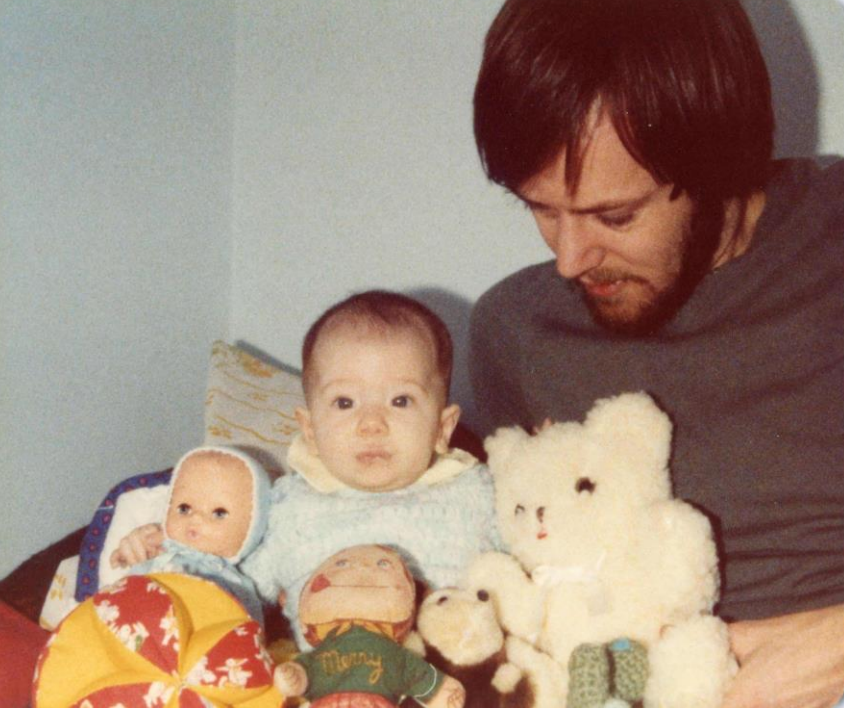
Martin Gent '75 Ph.D.

RETIRED

Studied: Biophysical chemistry

Career

After a post-doc at the University of Pittsburgh, I spent my entire career as a scientist at the Connecticut Agricultural Experiment Station in New Haven, studying plant growth, photosynthesis, and metabolism of soybean, wheat, tomato, lettuce, and other crops.





Karsten Giller '91 Ph.D.

HEAD QUALITY ASSURANCE BOEHRINGER-INGELHEIM
PHARMACEUTICALS

Studied: Synthesis of strained small ring molecules

Recent activities and accomplishments

Building up and motivation of quality-teams on a
pharmaceutical manufacturing site

Best memory

*“1992 postdoc with Prof. K. B. Wiberg in
the Wiberg labs and on the Yale soccer
fields”*



Razmic Gregorian '94 Ph.D.

RETIRED SENIOR PARTNER, SIMON-KUCHER & PARTNERS

Studied: Biophysical: RNA structures and energetic

Recent activities and accomplishments

- Took care of my dad who passed at age 98 in 2022
- Retired end of 2020
- Considering what's next

Best memory

“The Crothers Group was an overwhelming congenial and supportive atmosphere .”



James Hartling '01 M.Sc.

FOUNDER, CTO

Studied: Structural biochemistry

Recent activities and accomplishments

- Founder, President, CTO
- Advisor of various tech companies

Career summary

In 2002, I founded a tech company building software platforms for various industries, acquired in 2014 by PE, and again in 2018 by a large multinational. After serving as CTO of their advanced tech group, I left the company in April 2023 to unwind a bit. Currently participating in various tech startups as investor and advisor.

Best memory

“Poker nights at the Zilm Lab.”





Maria-Elena Liosi '22 Ph.D.

SENIOR SCIENTIST, DISCOVERY CHEMISTRY, MERCK

Studied: Organic/medicinal chemistry, Jorgensen Lab

Recent activities and accomplishments

- Working as a medicinal chemist in pharma - 2 years of experience in neuroscience and immunology.
- Expanding my knowledge in catalysis and in parallel synthesis!
- Enjoying travelling, and my artistic activities: photography, and painting.

Best memory

“Enjoying the campus and the hill views from my hood in CRB 317 at different seasons, the impromptu scientific discussions with other lab members, and the times of our traditional birthday celebrations in the lab.”



Matthew Hayward '95 Ph.D.

VICE PRESIDENT OF DRUG DISCOVERY, MAGNET BIOMEDICINE

Studied: Bioorganic chemistry in the Schepartz lab

Recent activities and accomplishments

- Harvard Post Doc 1995-1997
- Pfizer Inc. 1997-2023
- Magnet Biomedicine 2023-present

Best memory

“Happy hours on the quad followed by Modern Pizza.”



Bryan Hunter '08 B.S./M.S.

ASSISTANT PROFESSOR
DEPARTMENT OF CHEMISTRY
NORTHWESTERN UNIVERSITY

Studied: Siloxane adsorbates on titanium dioxide

Recent activities and accomplishments

- NSF GRFP
- ACS Nobel Laureate Signature Award



Best memory

“Summer party at the Brudvig’s house.”



William Johns '78 M.S., M.D.

CLINICAL EDUCATOR, NUVANCE HEALTH, YALE
SCHOOL OF MEDICINE FACULTY

Studied: Organic chemistry (synthetic)

Recent activities and accomplishments

- Now Clinical Educator. Internal Medicine/Nuclear Radiology/Medical Informatics
- Now Clinical Educator. Internal Medicine/Nuclear Radiology/Medical Informatics

Best memory

“Many late hours in Kline Chemistry Lab!”



Konstantinos Kavallieratos '98 Ph.D.

PROFESSOR, DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY,
FLORIDA INTERNATIONAL UNIVERSITY

Studied: Hydrogen bonding and intermolecular interactions
in anion recognition and catalysis

Recent activities and accomplishments

- Graduated 13 grad, students (9 Ph.D), and mentored 13 postdocs and >60 undergrads (some continued on to Yale!)
- >\$11M in funding (>\$6M as lead-PI, >\$2M active), including DOE, NRC, NIH, and NSF

Best memory

“Indian Food Group Lunches at Royal and Durbar India and riding bike bought from Dr. Eduardo Peris on I-95 crossing the Q-bridge!”





Kat Kayser-Bricker '07 Ph.D.

CHIEF SCIENTIFIC OFFICER, HALDA THERAPEUTICS

Studied: Substrate-mimetic inhibitors of AKT
(medicinal / organic chemistry); Lab of Andy Hamilton

Recent activities and accomplishments

- Founding member of Craig Crews Yale start-up, Halda Therapeutics; recently named one of C&EN 10 Start-ups to watch
- Board member of Modifi Bio and BioCT
- 10 years at FORMA Therapeutics

Best memory

“Making amazing friends in the Hamilton group and developing each of our signature dance moves!”





Anita Kishore '99 B.S., Ph.D.

EXECUTIVE COACH, ACCESS TO OPPORTUNITY CONSULTING

Studied: Calcium-binding properties of photosystem II in cyanobacteria (Brudvig Lab)

Recent activities and accomplishments

- Former Bain Consultant, Novartis & Pfizer Senior Director, & Global Health Professional
- Executive Coach for high IQ individuals who want to use their EQ to be better leaders, incl NIH senior scientist / executives & academic leaders
- Launched NYC's highly competitive LifeSci NYC internship program
- PhD with Jim Prestegard (UGA)

Best memory

“So many sunny, summer afternoons spent in the dark, cold room purifying cyanobacteria...only to bump into kegs of beer for Friday Happy Hour.”





Yannan Liu '22 Ph.D.

SCIENTIST, CHEMICAL PROCESS DEVELOPMENT, BRISTOL MYERS SQUIBB

Studied: Total synthesis of limonoid natural products

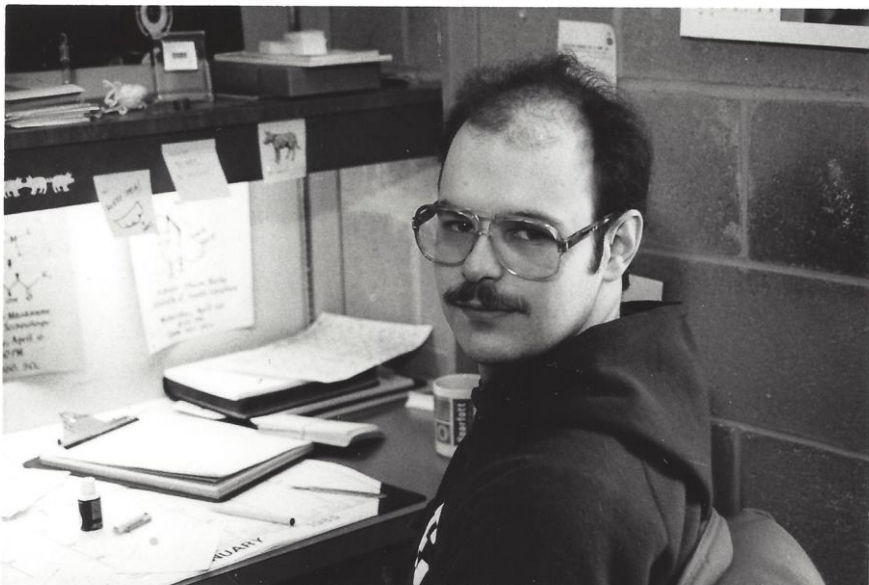
Recent activities and accomplishments

- Became a Process Chemist at BMS and developing manufacturing of pharmaceuticals
- Traveled in France, Switzerland and Germany for a month
- Learning French and Jiu Jitsu

Best memory

“Group karaoke nights at GPSCY (now Gryphon's) during Visitation Weekends.”





In lab 1985

Meeting with Dave MacMillan at J&J



Louis Lombardo '87 Ph.D.

VP, GLOBAL HEAD OF DISCOVERY CHEMISTRY,
JOHNSON & JOHNSON INNOVATIVE MEDICINE

Studied: Vicinal tricarbonyl synthesis and application to natural products

Recent activities and accomplishments

- Leading Discovery Chemistry at J&J with sites in NJ, CA, and Europe
- Executive Director at BMS with 2 marketed drugs: Dasatinib and Sotykto
- Head of Oncology Chemistry at Roche

Best memory

“Meeting Vikki at the First Year Social with the Geezers.”



In lab 1985

Our daughter's graduation 2023



Victoria Rusiecki Lombardo '88 Ph.D.

SENIOR MANAGER CMC DOCUMENTATION
BRISTOL MYERS SQUIBB, NEW BRUNSWICK, NJ

Studied: Heterocyclic Natural Product Synthesis

Recent activities and accomplishments

- Three different careers: Medicinal Chemistry Discovery (Merck and Lexicon Pharmaceuticals), High School Science Teaching, and CMC Regulatory Writing (BMS)
- Mom to 4 kids ages 19 to 29

Best memory

“Trips to Modern Pizza with the Wasserman Group.”



Andrej Luptak '02 Ph.D.

PROFESSOR AND CHAIR, DEPARTMENT OF PHARMACEUTICAL
SCIENCES, UC IRVINE

Studied: RNA folding and catalysis

Recent activities and accomplishments

- Studying RNA from A to Z
- 2020 Guggenheim Fellow
- 2010 Pew Scholar



Rajesh Manchanda '94 Ph.D.

CHIEF TECHNICAL OPERATIONS OFFICER
NEUMORA THERAPEUTICS

Studied: Models of the photosynthetic catalytic core

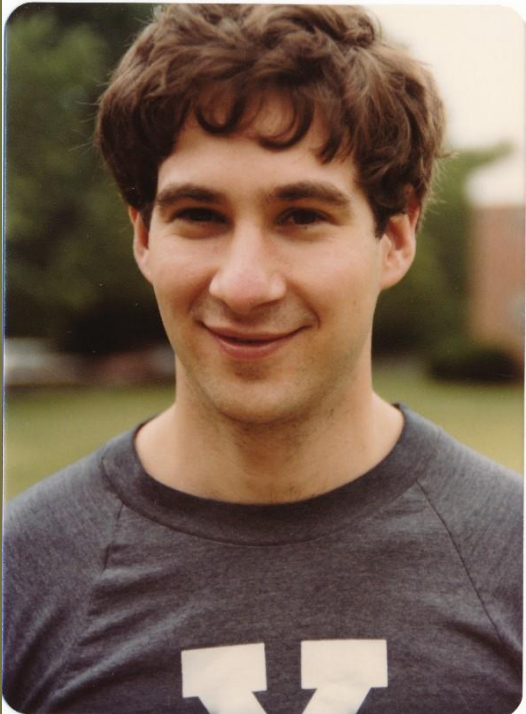
Recent activities and accomplishments

I have been part of advancing several medicines to the clinic and some now approved for human use.

Best memory

“Having multi-national potluck get-togethers and playing croquet at the summer outing in Bob Crabtree's backyard.”





Mark R. Mazur '83 Ph.D.

RETIRED IN 2015 FROM E. I. DU PONT AFTER 32 YEARS

Studied: Physical organic chemistry under J. Berson

Recent activities and accomplishments

- 2009 Inductee into the Flexographic Technical Association Hall of Fame

Best memory

“The comradery! For four years Yale Chemistry was my family; we lived, worked, ate and went to football games together. I will always cherish that time.”





John Miecznikowski '04 Ph.D.

PROFESSOR OF CHEMISTRY AND BIOCHEMISTRY AND
CHAIR, FAIRFIELD UNIVERSITY

Studied: Pincer and chelate n-heterocyclic carbene complexes of iridium, palladium and rhodium

Recent activities and accomplishments

I am currently a Professor of Chemistry and Biochemistry at Fairfield University, where I am also Chair of the Department of Chemistry and Biochemistry. I teach classes in General Chemistry and Advanced Inorganic Chemistry. I have mentored 46 undergraduate students in my research group since starting my independent career in 2007. My current work focuses on preparing and characterizing first row transition metal complexes with ONO pincer ligands.

Best memory

“I received an outstanding education and made lifelong friends in colleagues while studying at Yale.”



Paul Miller '88 Ph.D.

EXECUTIVE DIRECTOR, NORTHEAST STATES FOR
COORDINATED AIR USE MANAGEMENT & OZONE TRANSPORT
COMMISSION

Studied: Multiphoton ionization electron spectroscopy
and mass spectrometry

Recent activities and accomplishments

- Lead two state associations supporting their air quality and climate programs
- Launched the Long Island Sound Tropospheric Ozone Study
- Serve on U.S. Clean Air Act Advisory Committee

Best memory

“Had a ‘eureka’ moment walking down Whitney Ave. about a previously unobserved molecular state, then confirmed it by laser in my dark and foreboding Kline basement lab.”

HARTWIG



LAB

Clare Muhoro '99 Ph.D.

ASSOCIATE PROVOST FOR ACADEMIC AFFAIRS AND
PROFESSOR OF CHEMISTRY, TOWSON UNIVERSITY

Studied: Synthesis, characterization and reactivity studies of titanocene sigma complexes

Recent activities and accomplishments

- Associate Provost for Academic Affairs responsible for oversight of academic programs, institutional effectiveness, strategic plan implementation
- USAID AAAS Science and Technology Policy Fellow working with/in Pakistan, India and South Africa
- Mom of an amazing teenagers!

Best memory

“Learning schlenk/inert atmosphere synthesis techniques from John Hartwig as well as group trips (see photo!)!”



Hal Murray '81 M.S., M.Ph., Ph.D.

RETIRED

Studied: Fluxional Organometallic Molecules via NMR

Recent activities and accomplishments

Took up wood turning and sailing/racing 10 to 15 years ago.
Relocated to North Carolina after 35 years in East Central NJ.

Career highlights

- Two postdoc positions, [Germany, Texas]
- 30 years with ExxonMobil
- Adjunct at a local community college for two years

Best memory

“Being invited to Jack Faller's wedding.”





Genevieve O'Connell '77 Ph.D.

ASSISTANT PROFESSOR, DEPARTMENT OF EMERGENCY
MEDICINE, UNIVERSITY OF CONNECTICUT

Dissertation: A Substitution Effect on the Reactivity of
a Trimethylenemethane

Recent activities and accomplishments

- On the Alumni Board of Directors for Columbia VP&S
- Still working at UCONN, overnight shifts only

Best memory

*"My lab mates juggling to "Snap, Crackle,
Pop". Also meeting my husband Ognen
Petroff."*

Paul Okarma '85 Ph.D., '84 M.Phil., '81 M.S.

RETIRED, PHARMACEUTICAL & CONSUMER PRODUCTS INDUSTRIES

Studied: Physical-organic chemistry

Career highlights

- Postdoc at Uconn
- Enco Printing Products (Americal Hoechst Corporation)
- Hoechst-Roussel Pharmaceuticals
- Colgate-Palmolive Company
- Warner-Lambert and takeover by Pfizer
- Delsys Pharmaceuticals
- Consultant, mostly at Sepracor

Best memory

“Great group of individuals in Professor Wiberg's group in the early-mid 1980s.”



Frederick Pratt '77 M.S.

RETIRED, DIRECTOR OF GLOBAL CUSTOMER SUPPORT
ROCHE PHARMACEUTICALS 454 LIFE SCIENCES

Studied: Organic chemistry

Recent activities and accomplishments

- Research in Radiopharmaceuticals, DNA and protein, synthesis, sequencing and analysis
- Customer Training and Tech Support

Best memory

“US Patent for NENTrac Microspheres.”



Brooke Rosenzweig '10 Ph.D.

FOUNDER AND CEO, FOUNDATION ADVISORS, LLC

Studied: Artificial bimolecular assembly using higher-ordered DNA

Recent activities and accomplishments

- Board member for private grantmaking foundation in life science
- Incoming Yale GSAS Alumni Association board member

Career summary

I founded and oversee a firm that supports mission-driven organizations in the sciences: Foundation Advisors (FA). FA provides strategy consulting, and executive search services for its clients. We serve a number of private philanthropies, nonprofits, startups, and academic institutions, and maintain a network of over 80 funding entities, and over 100 nonprofit and academic institutions. Our talent recruiting & executive search work focuses on those with a blend of technical & scientific understanding, and excellent interpersonal & leadership skills.

Best memory

“Spending a few months finishing my degree at Oxford!”





Ruben Savizky '05 Ph.D.

ASSOCIATE DEAN OF ACADEMIC AFFAIRS, THE COOPER UNION

Studied: Biophysical Chemistry (RNA small molecule interactions)

Recent activities and accomplishments

- Promoted to Full Professor at Cooper Union in 2017
- Associate Dean of Academic Affairs in 2020
- Supervised 17 Master's Theses
- Served as the Chair of the NY Chapter of ACS in 2020 and alternate councilor from 2022-2025



Best memory

“Austin Lab outings (especially to Rhode Island)”



Bruce Stanley Schneider '71 Ph.D., J.D.

RETIRED

Studied: Chemical physics spectroscopy

Recent activities and accomplishments

- Welcomed a second grandson into the family

Career highlights

- Patent attorney, Bell Telephone Laboratories
- Assistant General Counsel , Bell Telephone Laboratories
- Part-time consultant writing patent applications and sitting for depositions

Best memory

“Met my wife of 53 years at a group mixer.”





John Stofko '68 M.S., '72 Ph.D.

SENIOR RESEARCH SPECIALIST, 3M, CORPORATE RESEARCH
LABORATORY (RETIRED IN 2007)

Studied: NMR Studies - Alkyl Carbonium Ion Hydride
Shifts, and Nitrogen Inversion Rates

Recent activities and accomplishments

- Retired from 3M after 34 yrs with many patents
- Volunteer at local schools to promote STEM careers
- Judge at Regional and State Science Fairs.

Best memory

*“The many friends I made while working in
the Chemistry Department toward my PhD
degree.”*



David Shobe '94 Ph.D.

RETIRED PATENT AGENT

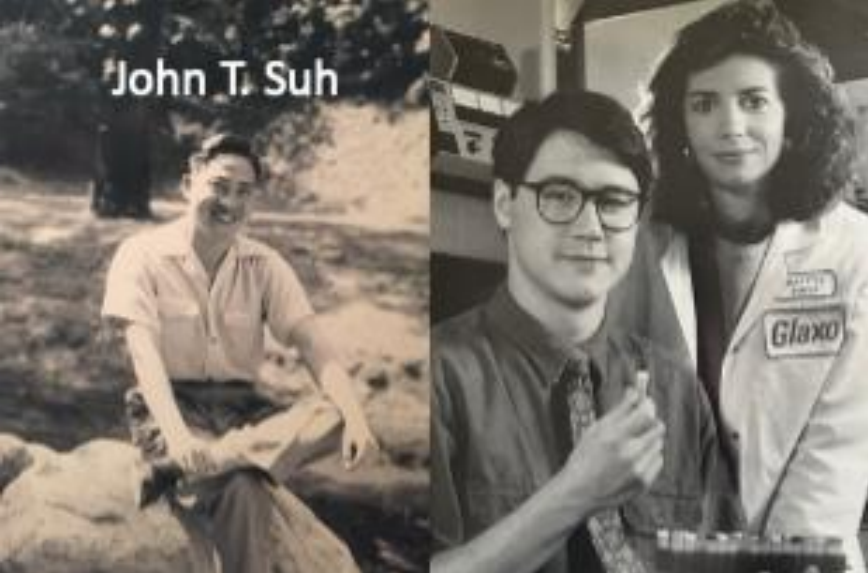
Studied: Physical organic chemistry

Activities and accomplishments

- Co-editor for the Chemical Information Bulletin, published by the CINF division of the American Chemical Society.
- I eventually got a second degree in library and information science and became a librarian in the chemical company Sud-Chemie (now part of Clariant). I mostly worked in the catalyst division. A supervisor encouraged me to take the patent bar exam, so I have earned that credential also.

Best memory

“My first synthesis of a never-made-before compound.”



Ted Suh '86 B.A.

VICE PRESIDENT, CHEMISTRY, ORIONIS BIOSCIENCES

Studied: Synthesis with Stuart Schreiber

Recent activities and accomplishments

Contributing to the development of the Targeted Protein Degradation system at Orionis Biosciences and seeing the impact of this platform in drug discovery.

Career summary

Earned a Ph.D. with Yoshito Kishi in organic synthesis and synthetic methods. Following this, I have worked as a medicinal chemist at Glaxo, Eisai, and Orionis Biosciences. I decided to pursue a career in research chemistry because of my great expert Yale.

Best memory

“Being mentored by Charles Stankovic, Mark Goulet and Taek Sammakia.”





Robert Topper '90 Ph.D.

PROFESSOR OF CHEMISTRY, SCHOOL OF ENGINEERING, THE COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART

Studied: Reaction rate theory, isomerization dynamics, and matrix spectroscopy

Recent activities and accomplishments

- Advised 70 undergrads, 53 high school students and 11 master's students
- Co-organizer of the Virtual Winter School on Computational Chemistry
- Served as department chair, campus safety officer, and IRB chair

Best memory

"I'm grateful to have worked with and learned so much from the brilliant and quirky members of the DeLeon and Johnson Groups."



Martin Vasas '89 MS

SENIOR SYSTEMS ENGINEER, BLOOMBERG LP

Studied: Physical Organic Chemistry, McBride group

Personal

- Living in CT
- A son (architecture) and a daughter (in theatre)

Best memory

“Exciting and wonderful times in the McBride Lab. And, of course, Cumulative Exams.”





Michael Wartell '68 M.S., '71 Ph.D.

CHANCELLOR EMERITUS, INDIANA UNIVERSITY–
PURDUE UNIVERSITY FORT WAYNE

Studied: Inelastic scattering theory

Career highlights

- Chancellor, Vice Chancellor for Academic Affairs, and Prof. of Chemistry, IPFW
- Chair, U.S. Army Education Advisory Committee Member, U.S. Army Science Board
- Member, Defense Science Board
- Member, Defense Intelligence Agency Science and Technology Advisory
- Board Member, Board of Visitors of the Defense Systems Management College
- Member, Board of Visitors of the Army War College
- Consultant to government agencies and defense contractors
- Manager, for Sandia Laboratories in Albuquerque, New Mexico
- Provost and VP for Academic Affairs, Humboldt State University
- Dean, College of Letters and Sciences at James Madison University
- Dean, School of Math and Science at Slippery Rock University



Kari Young '13 Ph.D. (nee Brumbach)

STODGHILL ASSOCIATE PROFESSOR OF CHEMISTRY, DIVISION
OF SCIENCE AND MATHEMATICS, CENTRE COLLEGE

Studied: Light-driven water oxidation

Recent activities and accomplishments

- Co-Director of Centre-in-London Study Abroad Program, Spring 2023
- Kirk Award for Excellence in Teaching, 2021

Best memory

“I have many fond memories of sitting in the Brudvig breakroom talking about all sorts of topics: poetry, tea, linguistics, baking...oh and some chemistry, too!”





Yale
Symphony
Cello Section



Sauté cook



Drinking
wine in the
lab

Monsanto
start



Today



Kirsten Skogerson '94 B.S.

HEAD OF INNOVATION SOURCING & PARTNERSHIP MANAGEMENT, ENVU

Studied: Non-heme iron-containing catalysts (John Caradonna Lab)

Biochemistry, MIT '97 M.S.

Viticulture & Enology, UC Davis '05 M.S.

Agricultural Chemistry, UC Davis '10 Ph.D.

Activities and accomplishments

- Took break from chemistry after an MIT M.S. to work as a cook in Boston & winemaking assistant in Europe. Returned to school to become a winemaker. Got back into research and finished another M.S., then Ph.D.
- Joined Monsanto as an MS/NMR expert, then built company's RNA analytics team. Moved to Breeding as Technical Strategy Lead, spent several years in New Technology Investment developing novel insect control technologies, and led the global competitive intelligence team after Bayer acquired Monsanto.
- 2022 - Bayer sold the Environmental Science division (Envu) to a PE firm and I joined Envu to lead a global team scouting, evaluating and commercializing new technologies.

Best memories

“Happy hours on the quad followed by Modern Pizza...Halloween costume parties (wish I had photo of my dz² orbital costume)...Struggling in freshman O-Chem with Mike McBride... great friendships and time for learning...”

Shannon Marshall '97 B.S.

SENIOR DIRECTOR CLINICAL DEVELOPMENT, IMMUNOCORE

Studied: biophysical chemistry

Recent activities and accomplishments

- Director, Clinical Scientist, MedImmune 2015-2018
- Director, Research, Amplimmune 2008-2015
- Scientist III, Protein Chemistry, FivePrime 2005-2008
- Lead Scientist, Computational Biology, Xencor 2002-2005
- PhD, Chemistry, Caltech, 2002



Freshman pchem @
25th reunion!





Jorge Becerril '07 Ph.D.

PARTNER, VENTURE INVESTMENTS NOVO HOLDINGS

Studied: Inhibition of protein-protein interactions with small molecules

Recent activities and accomplishments

- Exec. Director Corporate Development at Global Blood Therapeutics
- Director of Business Development, Portola Pharmaceuticals
- Senior Consultant at L.E.K. Consulting Life Sciences Practice

Best memory

“Running late night columns to the beat of dance music!”



Johanna Rodriguez '08 Ph.D.

HEAD OF HEALTHCARE & LIFE SCIENCES CAPITAL MARKETS,
NEW YORK STOCK EXCHANGE

Studied: Small molecule inhibitors of protein-protein interactions

Recent activities and accomplishments

- Head of Healthcare, GLG
- Life Science Cares NY Chapter, Advisory Board Member
- SITC, Education Committee, Advisory Board Member

Best memory

“Tango dancing at GPSCY and late night dance parties in the lab!”





Charles P. Lin '79 B.S.

ASSOC. PROFESSOR, MASSACHUSETTS GENERAL HOSPITAL
(MGH), HARVARD MEDICAL SCHOOL

Studied:

Senior thesis: Differential Scanning Calorimetry (DSC) with Professor Julian Sturtevant

PhD (University of Chicago): electron spin resonance spectroscopy with James R. Norris and Gerhard L. Closs

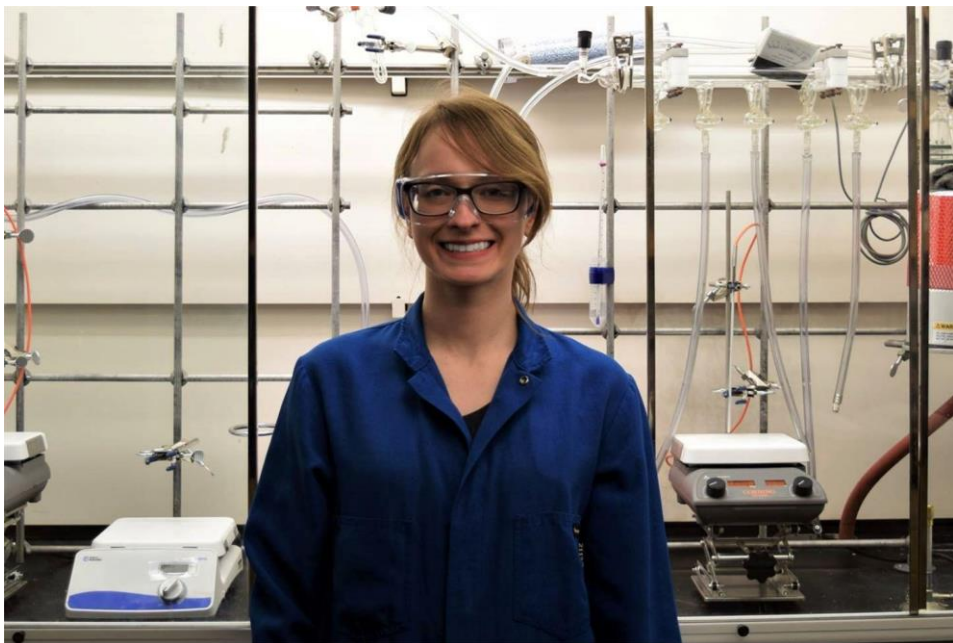
Recent activities and accomplishments

- Head of Advanced Microscopy Group, MGH Center for Systems Biology and Wellman Center for Photomedicine
- Developed optical methods for imaging the bone marrow, tracking the hematopoietic stem cells, and studying the hematopoietic system
- Developed in vivo flow cytometry for noninvasive analysis of blood cells without drawing blood

Best memory

“Watching Professor Sturtevant take apart the DSC instrument and solder it back together again. Think I learned something about working with scientific instruments.”





Aneta Turlik '19 Ph.D.

VISITING ASSISTANT PROFESSOR, SKIDMORE COLLEGE

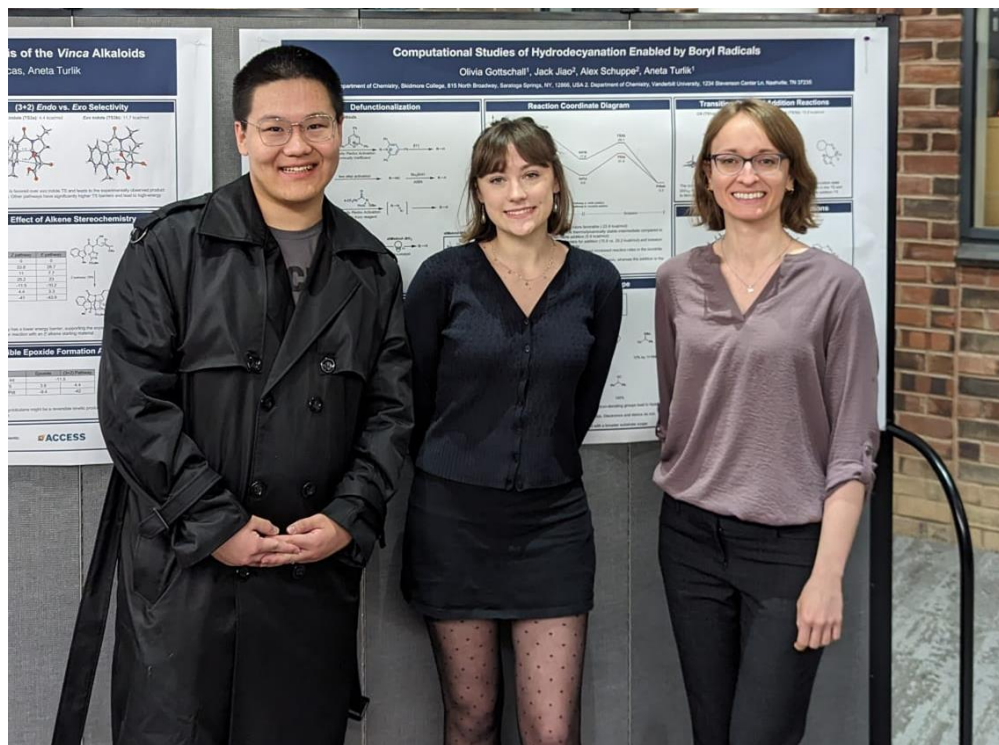
Studied: total synthesis of natural products, organometallic catalysis

Recent activities and accomplishments

- 2019-2022: Postdoc with Prof Ken Houk at UCLA studying reaction mechanisms using quantum mechanics calculations
- 2022-2024: teaching courses at Skidmore College in organic chemistry and leading a research group of undergrads
- Currently transitioning to industry!

Best memory

“Chatting with friends from other labs in the NMR room while waiting for our samples to run!”





Yang (Alex) Li '13 Ph.D., J.D.

PATENT ATTORNEY, SHEPPARD MULLIN RICHTER & HAMPTON
LLP

Studied: Stereoselective Reactions Catalyzed by Peptides
Containing Aspartic Acid and Difluoroglutamic Acid

Recent activities and accomplishments

- Managing Associate 3, Sheppard Mullin, 2024–Present
- Managing Associate 2, Sheppard Mullin, 2023
- Associate, Jones Day, 2018–2023
- Law Clerk, Jones Day, 2018
- Patent Agent, Seyfarth Shaw, 2016–2017

Best memory

*“Going to Modern Apizza after leaving
lab.”*





Alice Lee '93 B.S.

BOARD-CERTIFIED DERMATOLOGIST, PRIVATE PRACTICE

Studied: Undergraduate Chemistry

Senior Project: Development of a Simpler Activity Assay for Phenylalanine Hydroxylase, with Professor John P. Caradonna

Recent activities and accomplishments

- Medical Volunteer in Republic of Palau through Health Volunteers Overseas, 2005
- University of Chicago Dermatology Residency, 2000-2003
- Washington University School of Medicine in St. Louis, MD, 1995-1999

Best memory

“Watching Harry Wasserman draw organic chemistry molecules in 3-D on the chalkboard during every lecture.”

