

# ATS CONNECTION



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## PRESIDENT'S MESSAGE

Dear Fellows,

It feels we're all still catching up with ourselves after the tumultuous years of the pandemic (did that really happen?!?) This is my excuse for greeting you now, having nearly completed the first third of my term as President of ATS. Such times of "emergence" prompt consideration of fresh new opportunities for ATS.



We appreciate that certification as a Fellow of ATS is a significant personal and professional accomplishment: peer-recognition as having met high scientific and professional standards based on knowledge, experience, leadership, and involvement in the scientific community. But, for this group with such experience and talent, there should be "More To It".

How can we, the Academy, more actively contribute to our scientific discipline and to professionals in toxicology?

Over the last year, the Board has been actively considering opportunities for such meaningful outreach. For a start, we plan to submit ATS session proposals for upcoming scientific conferences – sessions focused on scientific topics and especially on career paths and opportunities for mid-career / more-established professionals.

I ask each of you to:

- share your ideas for a better, more meaningfully engaged ATS with the Board
- suggest membership for qualified professionals in your spheres of influence
- pay your dues 😊 ... We are not a "for profit" operation, and it is the money from the Fellowship dues that supports our ability to:
  - recruit other qualified toxicologists and build the Toxicology Brand
  - support networking (virtually and at receptions at scientific conferences)
  - recognize toxicologists through our Mildred Christian Award for outstanding excellence

The Board invites your active engagement in the Academy and ideas to grow our visibility, influence, and contributions to the scientific and professional community of toxicologists.

Congratulations on your ATS Fellowship, and let's challenge ourselves to be "More" in 2023!

With Best Regards to each of you,

Lorrene A. Buckley, PhD, DABT, ATS  
ATS President, 2022-2023

# ATS CONNECTION

## ATS ANNUAL BUSINESS MEETING AND RECEPTION 2023

We are very excited to announce the first ATS Annual Business Meeting and Reception since 2019 in Nashville during the SOT meeting. The reception is scheduled for Tuesday, March 21, 2023 from 8:00-9:30pm. The exact location will be announced when the room is assigned. We look forward to seeing you there!

## ELECTION RESULTS

ATS Fellows cast their ballots for Vice-President and Secretary/Treasurer Elect in early 2022 along with ballots to elect new members to serve on the ATS Board of Directors and Committees. The ballot included an impressive list of candidates who stepped forward to serve the membership. We are pleased to welcome **Mary Ellen Cosenza** as ATS Vice President; **Nathan Cherrington** as Secretary/Treasurer Elect, **Sandy Eldridge**, **Mark Johnson** and **Robert Roy** to the ATS Board of Directors. In addition, we are pleased to welcome **Barbara Beck** to the Nominating Committee and **Adam Woolley** to the Awards Committee. Be sure to visit the ATS website at <https://acadtoxsci.org/board-of-directors/> to read about the incoming Board members. The Board would like to express their gratitude to all candidates that participated in the election process.

## ATS Board of Directors Terms

### **2022-2023**

Lorrene Buckley, President (2021-2024)  
Mary Ellen Cosenza, Vice President (2022-2025)  
Nancy Monteiro-Riviere, Sec/Treasurer (2020-2023)  
Nathan Cherrington, Sec/Treasurer Elect (2022-2025)  
Laura Andrews, Past President (2020-2023)  
William Brock (2020-2023)  
Jeanine Bussiere (2020-2023)  
Sandy Eldridge (2022-2025)  
Julie Goodman (2020-2023)  
Mark Johnson (2022-2025)  
Bruce Kelman (2021-2024)  
B. Paige Lawrence (2021-2024)  
Virginia Moser (2021-2024)  
Robert Roy (2022-2025)

### **2021-2022**

Laura Andrews, President (2020-2023)  
Lorrene Buckley, Vice President (2021-2024)  
Nancy Monteiro-Riviere, Sec/Treasurer (2020-2023)  
Kyle Kolaja, Past President (2019-2022)  
William Brock (2020-2023)  
Jeanine Bussiere (2020-2023)  
Donna Dambach (2019-2022)  
Julie Goodman (2020-2023)  
Bruce Kelman (2021-2024)  
B. Paige Lawrence (2021-2024)  
Virginia Moser (2021-2024)  
Jason Richardson (2020-2022)  
Jeffrey Yourick (2019-2022)

## RECRUITMENT COMMITTEE UPDATE

*By Bill Brock, Recruitment Committee Chair*

The Recruitment Committee was created a few years ago to identify potential candidates for the ATS. To grow and keep ATS vibrant, the Recruitment Committee has re-doubled its efforts to identify candidates.

To re-activate the working of the committee, we have asked Drs. Myrtle Davis and Ken Wallace to help identify and recruit potential ATS candidates. The high standards for acceptance into ATS will continue to be a benchmark for new candidates recruited during this process.

The Board has established a process for an initial review through personal knowledge and review of the candidate's CV. Subsequently, an invitation letter will be sent to the candidate requesting their consideration for ATS; the application and application instructions also will be provided.

As a starting point, Drs. Davis and Wallace has provided a short list of names as possible candidates for Board review before the invitation letter is sent.

Although this process of identifying candidates is being driven by the Recruitment Committee, all ATS Fellows have the shared responsibility of identifying possible ATS Fellow candidates. Names of potential candidates should be sent to the Executive Director for ATS ([smasten@acadtoxsci.org](mailto:smasten@acadtoxsci.org)).

# ATS CONNECTION

## MEMBERSHIP NEWS

We are happy to welcome the following new Fellows who became members since 2020:

John Anetor  
Kelly Coleman  
Jake McDonald  
Terry Van Vleet

Andrew Badger  
Laurie Haws  
Annelise Nguyen

George Burdock  
Andy Kiorpes  
Andrew Olaharski

Emeritus status was granted to the following Fellows:

John Clary  
Philip Harvey  
Stanley Omaye, Sr.  
Alfred Sciuto

Ann de Peyster  
Janis Hulla  
Curtis Omiecinski  
William Stokes

Gio Batta Gori  
Ofelia Olivero  
Richard Schlesinger

In addition, the following Fellows successfully completed the recertification process:

William Allaben  
William Beierschmitt  
Jeanine Bussiere  
Myrtle Davis  
Daniel Dietrich  
Jeffery Engelhardt  
Jeffrey Fisher  
Mary Beth Genter  
Bryan Hardin  
A. Wallace Hayes  
Michael Hughes  
Daland Juberg  
Sang-Tae Kim  
Berna Magnuson  
Charlene McQueen  
Angelo Moretto  
Michael Olson  
Dan Petersen  
Kenneth Ramos  
Rosalind Schoof  
Vishal Vaidya  
Daniel Wierda  
Wei Zheng

Michael Aschner  
Brad Bolon  
Edward Calabrese  
Bryan Delaney  
David Dorman  
Bengt Fadeel  
Donald Fox  
Peter Goering  
Stephen Harris  
J. Daniel Heck  
Abigail Jacobs  
Robert Kapp  
Lois Lehman-McKeeman  
Jose Manautou  
Nan Mei  
Ginger Moser  
Jongsei Park  
Robert Phalen  
Stephen Roberts  
Madhusudan Soni  
Luis Valerio  
Yvonne Will

Barbara Beck  
Lorrene Buckley  
Janice Chambers  
Linval DePass  
Michael Dourson  
Ali Faqi  
Lijie Fu  
Jay Goodman  
Kenneth Hastings  
Uwe Heinrich  
Mark Johnson  
Bruce Kelman  
Michael Madden  
Roger McClellan  
NancyMonteiro-Riviere  
Mitzi Nagarkatti  
Dennis Paustenbach  
Carey Pope  
Wilson Rumbeiha  
Stanley Tarka  
Kenneth Wallace  
Berran Yucesoy

## IN MEMORIAM

We are saddened to announce the passing of the following members:

Scott Burchiel  
Michael Denison  
Jacques G. Descotes

Gordon Hard  
Hariharan Mehendele  
Jane Ellen Simmons

# ATS CONNECTION

## MILDRED CHRISTIAN AWARD WINNERS 2021 AND 2022

With the cancellation of SOT in 2020 and 2021, and of the annual reception in 2022, the Board has not been able to properly acknowledge and congratulate the Mildred Christian award winners. Dr. Samuel Cohen was featured in the newsletter in 2020, but A. Wallace Hayes and Ruth Roberts have not. Thus, both have provided articles for this ATS Connection. All three will be acknowledged along with the yet-to-be-determined 2023 recipient at the Annual Reception in Nashville. All have write-ups on the ATS website as well. The Board extends heartfelt congratulations to them all.

### 2021 MILDRED CHRISTIAN AWARD WINNER A. WALLACE HAYES, PHD, DABT, ATS, FRSM, FRSB, FACFE, ERT

Dr. Hayes is a toxicologist with over 40 years of experience in industry and academics. He holds degrees from Auburn University (Ph.D. and MS) and Emory University (AB). Dr. Hayes was an NSF predoctoral fellow at Auburn University, an NIH individual postdoctoral fellow at the Vanderbilt University School of Medicine, a NATO Senior Scientist at the Central Veterinary Laboratory in Weybridge, England, and held an NIH Research Career Development Award. Dr. Hayes has held tenured Professorships at the University of Alabama, the University of Mississippi Medical Center, and Wake Forest University School of Medicine. He is currently an adjunct Professor at the University of South Florida College of Public Health and Michigan State University's Institute for Integrative Toxicology. Dr. Hayes has served on committees and expert panels for the National Academy of Sciences, the National Institutes of Health, the Environmental Protection Agency, and the Department of Defense. Dr. Hayes has served on several GRAS Expert Panels and as a member of the US FDA Food Safety Committee. Dr. Hayes has authored/co-authored more than 370 peer-reviewed publications, is the editor of Hayes' Principles and Methods of Toxicology, 7th edition, Human and Experimental Toxicology, Cutaneous and Ocular Toxicology, Toxicology Research and Application, and co-editor of the Target Organ Toxicity Series. He is a co-author of Loomis Essentials of Toxicology, 4 and 5th editions. Dr. Hayes is a past Secretary-General of IUTOX (two terms), past treasurer and board member of the American Board of Toxicology, a past president of the American College of Toxicology, the Toxicology Education Foundation, the Academy of Toxicological Sciences, and the Toxicology Forum and a past member of the council of the Society of Toxicology. Dr. Hayes is a diplomate of the American Board of Toxicology, the Academy of Toxicological Sciences, the American Board of Forensic Medicine, and the American Board of Forensic Examiners. He is a Fellow of the Academy of Toxicological Sciences, the Royal Society of Biology(UK), the Royal Society of Medicine (UK), the American College of Forensic Examiners, and the American College of Nutrition. Dr. Hayes is a registered toxicologist in the European Union (ERT) and a certified nutrition specialist (food safety). Dr. Hayes was honored by the Society of Toxicology in 2006 with the Society's Merit Award, by the Mid-Atlantic Society of Toxicology with its Ambassador Award in 2012, by the American College of Toxicology in 2012 with its Distinguished Scientist Award, by the International Dose-Response Society in 2013 with its Outstanding Leadership Award and The Mildred S. Christian Career Achievement Award by the Academy of Toxicological Sciences in 2021. Dr. Hayes was named a Distinguished Fellow by the American College of Toxicology in 2013 and a fellow by the American Association for the Advancement of Science in 2014.



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Fewer things are more boring or dry than a scientific resume! So a lighter and more enlightened approach for the Mildred S. Christian Career Achievement Award update is called for.

The next generation is the key to the future of science in general and in particular, toxicology. Mentoring of this generation is not only important but enjoyable, encouraging, and helpful, but never dry and most of the time, exciting and fun. Mentoring is more than just giving a lecture, it is giving back to the next generation the knowledge and experience gained over years of working in the field. Writing and publishing journal articles or textbooks such as the seven editions of Hayes' Principles and Methods of Toxicology or the five editions of Loomis Essentials of Toxicology is one path but it is not the more personal and interactive approach I prefer. Sharing knowledge and experience in a more personal and interactive way with small groups of students over extended periods of time is my preferred approach. Such has been my approach in more than thirty-five years of involvement in the International Union of Toxicology Risk Assessment Summer Schools (RASS) or courses based on the RASS model in Brazil, Cuba, India, Nigeria, Serbia, and South Africa. Although less interactive, courses like the American College of Toxicology for Pharmacologists and Regulatory Scientists or the Harvard Chan School of Public Health Risk Analysis are also pathways to mentor our young colleagues from around the globe.

The true joy of such interactions is to follow the maturity, growth, and accomplishments of these new colleagues. Many have gone on to important positions in government, industry, and academy; but one remains steadfastly fixed in my memory from a RASS years ago on the Isle of Capri. I have watched that young lady blossom into an excellent scientist/cancer researcher but maybe, more importantly, I have been lucky enough to follow the growth of her beautiful, smart, and talented daughter who was with her mother 31 years ago on that island.

## 2022 MILDRED CHRISTIAN AWARD WINNER RUTH A. ROBERTS, PHD, ATS, FBTS, ERT, FRSB, FRCPATH

Ruth's career in science began with a BSc in Biochemistry followed by a PhD in Medical Oncology from the University of Manchester, UK. She then went on to postdoc at the Imperial Cancer Research Fund (ICRF) in London. She was however always obsessed with science from an early age!

Halfway through her postdoc, Ruth saw an advert for a Cancer Cell Biologist to work at ICI Central Toxicology Laboratory (1990-2002), soon to become Zeneca CTL. This was her dream job, leading and growing a team of researchers in cancer biology so she made the jump to industry, driven by the pursuit of science. She then spent the next 12 years working on elucidating the mechanisms of nongenotoxic rodent hepatocarcinogenesis and developing a firm grounding in science, people and project management. This work on rodent nongenotoxic carcinogenesis resulted in the SOT 2002 achievement award, which opened up new career horizons. Indeed, she had a call one day from a headhunter suggesting she apply for Director of Toxicology for Aventis, Paris. Ruth and her family moved to Paris in 2002 –that was a great adventure!



A few years later, Ruth was offered the role as Director of Toxicology for AstraZeneca in the UK. This was another great career move and signaled another very productive stage of her career with many publications from internal AZ research and from collaborations. By 2012, Ruth was Global Head of Regulatory Safety overseeing the team that provided safety input to all of AZs drug projects. However, shortly afterwards, 2014 AstraZeneca announced the closure of the Alderley Park site and a move to Cambridge. After a lot of thought, Ruth concluded that this move wasn't right for her and her family, so Ruth and some like-minded colleagues decided to explore founding a company. After much work and mentoring from other entrepreneurs, ApconiX was born! ApconiX is an integrated toxicology and

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ion channel company that provides expert advice on non-clinical aspects of drug discovery and drug development to academia, industry, and not-for-profit organizations. In 2022, the company is thriving and now involves around 50 people working across all stages of drug discovery and development, generating ion channel data and conducting target safety assessments. We recently won the Queen's award for Enterprise in Export, a great honor and recognition of all our hard work over the last 7 years.

Alongside this industry career track, Ruth accepted an Honorary Chair from the University of Birmingham in 2005 and was eventually appointed as a part time full Professor of Drug Discovery in 2016. In this role, Ruth leads translational projects across campus helping to ensure the best innovation makes it through to patient benefit. Ruth became a fellow of ATS in 2005, president of the British Toxicology Society in 2010, President of Eurotox in 2012 and became president of ATS in 2018. She is passionate about training the next generation of toxicologists and has a long-standing commitment to lecturing on several post-graduate degree courses. She is also a regular speaker at career and scientific training sessions and webinars in the US and Europe. In addition to being a fellow of the ATS, she is a European Registered Toxicologist (ERT), a fellow of the Royal Society of Biology (FRSB) and a Fellow of the Royal College of Pathologists (FRCPath). She was the recipient of the SOT Achievement award in 2002, the EUROTOX Bo Holmstedt Award in 2009, the SOT Founders award in 2018 and the ATS 'Millie' Award in 2022. Most recently, Ruth was appointed Chair of the Health and Environmental Science Institute (HESI) Board and has co-chaired the HESI Biomarkers of Neurotoxicity scientific committee since its inception in 2015. With >150 publications in peer reviewed journals, she is interested in developing and implementing innovative models in drug discovery and development and particularly in ensuring academic research achieves its translational potential.

## ATS MEMBERSHIP TYPES AND FEES, EXPLAINED!

The ATS office gets many questions regarding types of fees and when they are due, Emeritus status and recertification. It seems a good time for a refresher.

There are two types of fees, annual dues and recertification fees. Failure to pay fees within two months of the deadline results in forfeiture of all Fellow privileges. Failure to pay fees within twelve months of the due date will result in forfeiture of Fellow status. The two types of fees are explained below.

### **Annual Dues**

Dues are payable each year by September 30. If dues are not paid on time, a Fellow is not eligible to vote in elections or run for any position on the ATS Board or Committees. Fellowship is forfeited if dues are twelve months past due.

### **Recertification Fee**

Fellows are required to recertify every five years. The application and fee are due June 30 of that year, with dues also payable by September 30. Thus, in the year of recertification, two fee payments are required.

In addition to Full Fellows, there are also Emeritus Fellows. Emeritus Fellows do not pay dues, recertify, hold office or vote in elections. To qualify for Emeritus status, one must have been a Fellow for 10 consecutive years and be in good standing with no delinquent dues or recertification applications. They also must meet the following criteria: be retiring, be neither employed nor active as a consultant, and no longer continue the practice of toxicology as a primary means of financial support. To request Emeritus status, a Fellow simply sends a letter to the Board stating they meet those criteria. It is important to note that if a Fellow neglects to pay dues or recertify by the deadline dates, they are no longer in good standing and must rectify this before being eligible for Emeritus status.

Fellow are encouraged to contact the ATS office with any questions or concerns.

# ATS CONNECTION

## ATS FELLOW AWARDS, ACCOMPLISHMENTS AND APPOINTMENTS

Dan Acosta	Distinguished Alumnus Award (Inaugural Recipient 2022)	University of Kansas School of Pharmacy Graduate Program
John Anetor	Appointed Associate Editor	American Journal of Biopharmacy and Pharmaceutical Sciences
Barbara Beck	Smith and Hook Distinguished Service Award (2022)	Society of Toxicology Women in Toxicology Special Interest Group
	Fellow (2020)	American Association for the Advancement of Science
Linda Birnbaum	Merit Award (2022)	Society of Toxicology
Brad Bolon	Outstanding Mentor Award (2021)	Society of Toxicologic Pathology
Leigh Ann Burns Naas	Founders Award (2022)	Society of Toxicology
Joy Cavagnaro	Distinguished Scientist Award in Toxicology (2022)	American College of Toxicology
Marion Ehrich	Mildred Christian Women's Leadership in Toxicology Award (2021)	American College of Toxicology
Jeffrey W. Fisher	Arnold J. Lehman Award (2022)	Society of Toxicology
Michael Gallo	Founders Award (2021)	Society of Toxicology
Jonathan Daniel Heck	Lifetime Achievement Award (2021)	Tobacco Science Research Conference
Alan Hoberman	Josef Warkany Lecturer (2022)	Society for Birth Defects Research and Prevention
Bruce Kelman	2021 Achievement Award	Pacific Northwest Association of Toxicologists
Prakash Nagarkatti	Distinguished Toxicology Scholar Award (2022)	Society of Toxicology
Ruth Roberts/ApconiX	Queen's Award for Enterprise	Queen Elizabeth II
Robert Roy	Promoted to Full (Adjunct) Professor in the Department of Environmental Health Sciences (Toxicology Program)	University of Minnesota School of Public Health
Carol Sabourin	Department Awards (4) Federal COVID-19 Response Vaccine Program Coordination Teams for Moderna, Janssen, Sanofi, and Novavax (2022)	HHS
	2 ASPR Pledge to Excellence Awards (2020-21)	BARDA Project Coordination Team for Paratek and BARDA Immune Assays Team
Ghadevaru Sarathchandra	Best Scientist Award (2022)	Society of Fisheries and Life Sciences
Aristidis Tsatsakis	Merit Award for distinguished career in European toxicology (2022)	Eurotox
	Highly Cited Researcher in Pharmacology and Toxicology (2021 & 2022)	Clarivate Analytics
William Slikker, Jr.	Edward W. Carney Distinguished Service Award (2022)	Society for Birth Defects Research and Prevention
Wei Zheng	Education Award (2021)	Society of Toxicology