

**UNITED STATES DISTRICT COURT
MIDDLE DISTRICT OF TENNESSEE
NASHVILLE DIVISION**

**IN RE: REALPAGE, INC., RENTAL
SOFTWARE ANTITRUST LITIGATION
(NO. II)**

Case No. 3:23-md-3071

MDL No. 3071

Hon. Judge Waverly D. Crenshaw, Jr.

**DECLARATION OF RUSSELL L. LAMB
REGARDING PROPOSED SETTLEMENT PLAN OF ALLOCATION**

1. My name is Russell L. Lamb. I am the President and co-founder of Monument Economics Group (“Monument”), an economics consulting firm based in Arlington, Virginia. Monument provides economic research and quantitative and statistical analyses to clients in the United States, Canada and elsewhere internationally. I have studied the economics of markets and prices and have consulted on these issues for over 30 years. A copy of my curriculum vitae, including a list of the matters in which I have submitted expert testimony in the past four years, is attached to this declaration as **Appendix A**.

2. Settlement Class Counsel have asked me to assist them in preparing the proposed Plan of Allocation.

3. I understand Plaintiffs seek certification of the following Settlement Class:

All persons and entities in the United States and its territories who paid rent on at least one multifamily residential real estate lease directly to any owner, manager and/or owner-operator (including to any division, subsidiary, predecessor, agent or affiliate of any owner, manager and/or owner-operator) on a property subject to a license for RealPage’s Revenue Management Solutions, Lease Rent Options (“LRO”), YieldStar (“YS”), and/or AI Revenue Management (“AIRM”) (“RealPage’s RMS”) at any time during the

period of October 18, 2018 through November 21, 2025 (the “Settlement Class Period”).

4. Specifically excluded from the Settlement Class are Opt-Outs; Defendants; any entity licensing RealPage’s RMS, the officers or directors of any entity licensing RealPage’s RMS and any entity in which any entity licensing RealPage’s RMS has a controlling interest; any affiliate, legal representative, heir or assign of any entity licensing RealPage’s RMS; federal, state, or local governments; states and their subdivisions, agencies, and instrumentalities; any judicial officer presiding over this Action and the members of his/her immediate family and judicial staff; and any juror assigned to this Action.

5. The Plan of Allocation proposes that the Net Settlement Fund will be allocated on a *pro rata* basis to Authorized Claimants based on rent paid by the Authorized Claimant during the Class Period, subject to any geographic variations in overcharges.¹

6. Based on the lease transaction data produced by the Defendants in this case, I estimated overcharges at the Core Based Statistical Area (“CBSA”) level for 47 CBSAs. These 47 CBSAs account for nearly 80 percent of all multifamily rental leases nationwide subject to a license for RealPage’s RMS. CBSAs are statistical areas defined by the United States Office of Management and Budget (“OMB”) and are used industry-wide to define geographic regions in the real estate market. The OMB defines a CBSA as “as an area that contains a central county that has a substantial urban population, along with any adjacent communities that have a high level of

¹ A “Qualifying Property” is a property subject to a license for RealPage’s Revenue Management Solutions, Lease Rent Options (“LRO”), YieldStar (“YS”), and/or AI Revenue Management (“AIRM”) (“RealPage’s RMS”) at any time during the period of October 18, 2018, through November 21, 2025.

integration with the central county.”² Currently delineated areas were announced by the OMB effective July 2023.³

7. In making my estimations, among other things, I analyzed lease transaction data covering an over fifteen-year period, data on penetration rates for RealPage RMS usage in each CBSA, supply and demand variables, and macroeconomic factors. I relied on commonly accepted economic principles, including regression analysis, to estimate these CBSA-specific overcharges.

8. **Table 1** below lists, for each of the 47 CBSAs, the overcharge I estimated, rounded to the nearest percentage point for ease of calculation. For Qualifying Properties that are located outside of the CBSAs listed in Table 1, a minimum overcharge of 2% overcharge will be assigned.

Table 1: Estimated CBSA Overcharges

CBSA	Overcharge	CBSA	Overcharge
Atlanta-Sandy Springs-Roswell, GA	8%	North Port-Bradenton-Sarasota, FL	6%
Austin-Round Rock-San Marcos, TX	4%	Orlando-Kissimmee-Sanford, FL	7%
Baltimore-Columbia-Towson, MD	3%	Oxnard-Thousand Oaks-Ventura, CA	7%
Baton Rouge, LA	6%	Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	4%
Birmingham, AL	4%	Phoenix-Mesa-Chandler, AZ	4%
Boston-Cambridge-Newton, MA-NH	6%	Portland-Vancouver-Hillsboro, OR-WA	12%
Bridgeport-Stamford-Danbury, CT	3%	Raleigh-Cary, NC	3%
Charleston-North Charleston, SC	8%	Richmond, VA	3%
Charlotte-Concord-Gastonia, NC-SC	4%	Riverside-San Bernardino-Ontario, CA	8%
Chattanooga, TN-GA	3%	Sacramento-Roseville-Folsom, CA	13%

² Taylor R. Knoedl, “Core Based Statistical Areas,” *Congressional Research Service*, IF12704, July 3, 2024 (emphasis removed).

³ <https://www.census.gov/programs-surveys/metro-micro/about.html>.

CBSA	Overcharge	CBSA	Overcharge
Chicago-Naperville-Elgin, IL-IN	6%	Salt Lake City-Murray, UT	5%
Colorado Springs, CO	7%	San Antonio-New Braunfels, TX	4%
Dallas-Fort Worth-Arlington, TX	7%	San Diego-Chula Vista-Carlsbad, CA	8%
Denver-Aurora-Centennial, CO	8%	San Francisco-Oakland-Fremont, CA	12%
Durham-Chapel Hill, NC	5%	San Jose-Sunnyvale-Santa Clara, CA	10%
Greensboro-High Point, NC	5%	Santa Rosa-Petaluma, CA	12%
Greenville-Anderson-Greer, SC	4%	Savannah, GA	2%
Houston-Pasadena-The Woodlands, TX	4%	Seattle-Tacoma-Bellevue, WA	10%
Jacksonville, FL	4%	Shreveport-Bossier City, LA	3%
Las Vegas-Henderson-North Las Vegas, NV	8%	Tampa-St. Petersburg-Clearwater, FL	6%
Los Angeles-Long Beach-Anaheim, CA	9%	Tucson, AZ	5%
Miami-Fort Lauderdale-West Palm Beach, FL	8%	Washington-Arlington-Alexandria, DC-VA-MD-WV	4%
Mobile, AL	7%	Worcester, MA	5%
Nashville-Davidson--Murfreesboro--Franklin, TN	8%		

I declare under the penalty of perjury that the foregoing is true and correct.

Executed on May 15, 2026, in Knoxville, Tennessee


 /s/ Russell L. Lamb

Appendix A

Russell Lamb, Ph.D.

President
Monument Economics Group
Email: rlamb@megconsulting.com

Professional Summary

Russell Lamb is an expert in antitrust economics and has testified concerning antitrust liability, impact, and damages. He has an extensive background in applied econometrics and has developed econometric models to measure damages in a number of matters involving allegations of horizontal price fixing. He has provided expert testimony in State and Federal Courts in the United States and in Canada on a range of issues including class-certification and economic damages in antitrust, RICO and consumer fraud matters. In addition, he has provided expert advice to client attorneys at all levels of the litigation. Dr. Lamb has an extensive background in the analysis of domestic and international agricultural markets and has authored more than 50 articles in peer-reviewed economics journals, trade press, and major newspapers.

Dr. Lamb's work has been cited by courts in certifying classes in the United States and Canada. For example, in *In re Aftermarket Automotive Lighting Products Antitrust Litigation*, the court held that his analysis provided "a sufficient basis from which to conclude that Plaintiffs would adduce common proof concerning the effect of Defendants' alleged price-fixing conspiracy on prices class members paid." In certifying the Class in *In re: Titanium Dioxide Antitrust Litigation*, the Court said, "This Court finds that Dr. Lamb's regression analysis accurately reflects the characteristics of the titanium dioxide industry, and the facts in this case." In *In Re: Domestic Drywall Antitrust Litigation*, the Court cited extensively to Dr. Lamb's analysis in its decision to certify the Class: "Dr. Lamb's expert opinion fits the facts of the case, is relevant, and is therefore admissible to show classwide injury and measurable damages in support of Plaintiffs' Motion for Class Certification. [...]"

The Court [...] has thoroughly considered Dr. Lamb's opinion in its decision on the DPPs' Class Certification Motion." In the Canadian LCD Competition Act Class Action, the Court held that Dr. Lamb's analysis provided "evidence of a viable methodology for the determination of loss on a class-wide basis." In *In re: Puerto Rican Cabotage Litigation*, the Court held that "Dr. Lamb [had] set forth a reputable and workable model for determining damages as to individual class members." In certifying the class in *Clarke and Rebecca Wixon, et al. v. Wyndham Resort Development Corp., et al.*, the Court held that "Dr. Lamb [had] presented a plausible class-wide method of proof." In certifying the class in *Eugene Allan, et al., v. Realcomp II, Ltd., et al.*, the Court held that "the Plaintiffs have produced sufficient evidence that common proofs will yield a finding of class-wide damages that predominates over any specific individualized damages. The Lamb Report and Lamb Reply are sufficient to establish this fact." Furthermore, Dr. Lamb was the Indirect Purchaser Plaintiffs' expert in the *In re: Polyurethane Foam Antitrust Litigation* matter, which was certified by the Court in April 2014.

With regard to agricultural economics, Dr. Lamb has a particular expertise in agricultural markets and has undertaken extensive original research and econometric analysis on markets for agricultural commodities. His articles on agricultural economics have been published in peer-reviewed journals, trade press, and major newspapers. Dr. Lamb regularly presents at conferences on topics including the state of the U.S. Economy and farm policy.

Prior to co-founding Monument Economics Group, Dr. Lamb was a Senior Vice President at Nathan Associates Inc., where he directed the firm's litigation consulting practice nationally. Dr. Lamb previously served as a Principal at AACG in Arlington, VA, and as Managing Director and DC Office Head at Econ One Research. He earlier served as an Assistant Professor of Agricultural Economics and faculty member of the Graduate Group in Economics at North Carolina State University and as an Economist and Senior Economist in the Federal Reserve System of the United States, at the Federal Reserve Board and the Federal Reserve Bank of Kansas City.

Education

- Ph.D., Economics, University of Pennsylvania, 1994
- M.A., Economics, The University of Maryland, 1989
- B.A., Economics, The University of Tennessee, 1987

Expert Testimony Offered

2026 *IN RE: RealPage, Inc., Rental Software Antitrust Litigation (No. II)*

- United States District Court Middle District of Tennessee
- Case No. 3:23-md-3071
- Expert Report, May 8, 2026
- Opinion concerning class certification, merits, and damages issues
- Retained by Scott+Scott Attorneys at Law LLP; Robins Kaplan LLP; Hausfeld LLP

2025 *In Re: Deere & Company Repair Services Antitrust Litigation*

- United States District Court Northern District of Illinois Western Division
- Case No. 3:22-cv-50188
- Expert Report, August 13, 2025
- Opinion concerning class certification, merits, and damages issues
- Retained by Cotchett, Pitre & McCarthy, LLP; Gustafson Gluek PLLC; and Wexler Boley & Elgersma LLP

Louisiana Wholesale Drug Co., Inc., et al., v. GlaxoSmithKline LLC, et al.

- United States District Court New Jersey
- Case No. 2:12-cv-995
- Expert Report, March 26, 2025
- Opinion concerning damages issues
- Retained by Berger & Montague, P.C.

Pro Slab Inc., et al. v. Argos UISA LLC, et al.

- United States District Court South Carolina
- Case No. 2:17-cv-03185-BHH
- Expert Report, March 26, 2025
- Testified at deposition, April 11, 2025
- Expert Reply Report, May 27, 2025
- Expert Merits Report, June 16, 2025
- Expert Merits Reply Report, August 4, 2025
- Testified at deposition, August 18, 2025
- Opinion concerning class certification and damages issues
- Retained by Heins Mills & Olson, P.L.C. and Cohen & Malad, LLP

Copperweld Bimetallics, LLC v. Cerro Wire, LLC, et al.

- United States District Court for the Northern District of Alabama
- Case No. 5:21-cv-01310-MHH
- Expert Report, February 21, 2025
- Opinion concerning merits and damages issues
- Retained by Arnold & Porter Kaye Scholer LLP

2024 *Lana Parris v. ZF Firlmenich International SA, et al.*

- Ontario Superior Court of Justice
- Court File No. CV-23-00092672-00CP
- Expert Report, October 28, 2024
- Expert Reply Report, December 5, 2025
- Expert Sur-Rebuttal Report, February 12, 2026
- Testified at deposition, February 17, 2026
- Opinion concerning class certification issues
- Retained by Camp Fiorante Matthews Mogerman and Sotos LLP

In Re Cattle and Beef Antitrust Litigation

- United States District Court for the District of Minnesota
- Case No. 22-md-03031 (JRT/JFD)
- Expert Report, September 25, 2024
- Testified at deposition, December 18, 2024
- Expert Reply Report, April 4, 2025
- Opinion concerning class certification and damages issues
- Retained by Cafferty Clobes Meriwether & Sprengel LLP and Scott+Scott Attorneys at Law LLP

2023 *In Re: Generic Pharmaceuticals Pricing Antitrust Litigation*

In Re: Clobetasol Cases

- United States District Court for the Eastern District of Pennsylvania
- Case No. 2:16-CB-27242
- Expert Report, November 1, 2023
- Testified at deposition, January 5, 2024
- Testified at deposition, January 12, 2024
- Expert Reply Report, May 3, 2024
- Opinion concerning class certification issues
- Retained by Fine, Kaplan and Black, R.P.C

In Re: Generic Pharmaceuticals Pricing Antitrust Litigation

In Re: Clomipramine Cases

- United States District Court for the Eastern District of Pennsylvania
- Case No. 2:16-CM-27242
- Expert Report, November 1, 2023
- Testified at deposition, January 5, 2024
- Testified at deposition, January 12, 2024
- Expert Reply Report, May 3, 2024
- Opinion concerning class certification issues
- Retained by Fine, Kaplan and Black, R.P.C

KPH Healthcare Services, Inc. et al. v Mylan, N.V., et al.

- United States District Court for the District of Kansas
- Civil Action No. 2:20-cv-02065
- Expert Declaration, October 10, 2023
- Opinion concerning class certification and damages issues
- Retained by Roberts Law Firm, P.A.

In Re: Seroquel XR (Extended Release Quetiapine Fumarate) Antitrust Litigation

- United States District Court for the District of Delaware
- Master Dkt No. 20-1076-CFC
- Expert Report, September 20, 2023
- Supplemental Expert Report, October 6, 2023
- Expert Reply Report, February 1, 2024
- Testified at deposition, April 4, 2024
- Opinion concerning class certification and damages issues
- Retained by Berger & Montague, P.C. and Garwin Gerstein & Fisher LLP

In Re: Pork Antitrust Litigation

- United States District Court of Minnesota
- Case No. 0:18-cv-01776
- Expert Report, June 16, 2023
- Expert Reply Report, March 28, 2024
- Testified at deposition, June 4, 2024
- Expert Sur-Reply Report, August 24, 2024
- Opinion concerning merits and damages issues regarding certain Direct Action Plaintiffs
- Retained by Baker Botts L.L.P., Boies, Schiller & Flexner LLP, Carlton Fields, P.A., and Maynard Nexsen PC

2022 *Surgical Instrument Service Company, Inc. v. Intuitive Surgical, Inc.*

- United States District Court Northern District of California
- Case No. 5:21-cv-03496
- Expert Report, December 2, 2022
- Testified at trial, January 14-15, 2025
- Opinion concerning monopolization issues
- Retained by Haley Guiliano LLP

Anthony Oliver, et al. v. American Express Company, et al.

- United States District Court Eastern District of New York
- Case No. 1:19-cv-00566
- Expert Report, September 30, 2022
- Supplemental Expert Report, October 19, 2022
- Testified at deposition, January 5, 2023
- Expert Reply Report, March 17, 2023
- Testified at deposition, April 13, 2023
- Testified at evidentiary hearing, July 27, 2023

- Expert Declaration, October 31, 2024
- Testified at Trial, August 2025
- Opinion concerning class certification and damages issues
- Retained by Berman Tabacco

Las Vegas Sun, Inc. v. Sheldon Adelson, et al.

- United States District Court District of Nevada
- Case No. 2:19-cv-01667
- Expert Report, September 19, 2022
- Expert Rebuttal Report, January 18, 2023
- Supplemental Expert Report, April 27, 2023
- Testified at deposition, May 10, 2023
- Opinion concerning damages issues
- Retained by Lewis Roca Rothgerber Christie LLP

Value Drug Company v. Takeda Pharmaceuticals U.S.A., Inc., et al.

- United States District Court Eastern District of Pennsylvania
- Case No. 21-CV-3500
- Expert Report, July 25, 2022
- Amended Expert Report, July 28, 2022
- Testified at deposition, August 17, 2022
- Testified at deposition, September 15, 2022
- Testified at class certification hearing, November 1, 2022
- Expert Report, November 17, 2022
- Supplemental Expert Report, December 22, 2022
- Testified at deposition, January 10, 2023
- Expert Report, June 2, 2023
- Testified at deposition, July 11, 2023
- Amended Expert Report, September 3, 2023
- Testified at trial, September 14 and 18, 2023
- Opinion concerning class certification and damages issues
- Retained by Berger & Montague, P.C.

Serge Asselin v. Ainsie Canada, Inc. et al.

- Cour Supérieure District de Québec
- Case No. 200-06-000203-169
- Expert Report, May 31, 2022
- Opinion concerning market factors
- Retained by Siskinds LLP, Sotos LLP

In Re Caustic Soda Antitrust Litigation

- United States District Court Western District of New York
- Case No. 1:19-cv-00385-EAW-MJR
- Expert Report, April 25, 2022

- Testified at deposition, June 6, 2022
- Expert Reply Report, August 25, 2022
- Testified at deposition, September 23, 2022
- Expert Sur-Rebuttal Report, February 10, 2023
- Testified at class certification hearing, June 5-6, 2023
- Opinion concerning class certification and damages issues
- Retained by CERA LLP

Boothe Farms, Inc., et al. v. The Dow Chemical Co., et al.

- United States District Court Eastern District of Arkansas Northern Division
- Case No. 3:19-cv-00264-DPM
- Expert Report, April 15, 2022
- Supplemental Expert Report, April 20, 2022
- Testified at deposition, May 4, 2022
- Declaration, May 19, 2022
- Opinion concerning damages issues
- Retained by Lieff Cabraser Heimann & Bernstein, LLP

2021 *In Re: Takata Airbag Product Liability Litigation*

- United States District Court Southern District of Florida Miami Division
- MDL No. 2599
- Expert Report, December 23, 2021
- Testified at deposition, January 25, 2022
- Opinion concerning class certification and damages issues
- Retained by Podhurst Orseck

In Re: Broiler Chicken Antitrust Litigation

- United States District Court Northern District of Illinois Eastern Division
- Case No. 1:16-cv-08637
- Expert Report, December 20, 2021
- Testified at deposition, February 8, 2022
- Expert Rebuttal Report, July 29, 2022
- Testified at deposition, September 1, 2022
- Expert Declaration, September 5, 2023
- Testified at deposition, September 30, 2023
- Opinion concerning damages issues
- Retained by Polsinelli

KPH Healthcare Services, Inc. a/k/a Kinney Drugs, Inc. v Gilead Sciences, Inc., et al.

- United States District Court Northern District of California San Francisco Division
- Case No. 3:20-cv-06961-EMC
- Expert Report, October 19, 2021
- Declaration, February 25, 2022

- Declaration, April 13, 2022
- Declaration, April 26, 2022
- Testified at deposition, May 18, 2022
- Expert Merits Report, June 28, 2022
- Expert Rebuttal Report, June 30, 2022
- Testified at deposition, July 19, 2022
- Testified at deposition, July 25, 2022
- Expert Rebuttal Report, August 12, 2022
- Expert Rebuttal Damages Report, August 16, 2022
- Testified at deposition, August 31, 2022
- Supplemental Expert Report, April 21, 2023
- Opinion concerning class certification and damages issues
- Retained by Roberts Law Firm, P.A.

In Re: Mallinckrodt plc, et al.

- United States Bankruptcy Court District of Delaware
- Case No. 20-12522 (JTD)
- Expert Report, August 13, 2021
- Expert Reply Report, August 26, 2021
- Testified at deposition, September 8, 2021
- Supplemental Expert Report, October 29, 2021
- Testified at trial, November 12 and 15, 2021
- Expert Reply Report, December 1, 2021
- Testified at trial, December 16, 2021
- Opinion concerning damages
- Retained by Eimer Stahl LLP and Willkie Farr & Gallagher LLP

Rebotix Repair LLC v. Intuitive Surgical, Inc.

- United States District Court Middle District of Florida Tampa Division
- Case No. 8:20-cv-02274-VMC-TGW
- Expert Report, July 26, 2021
- Testified at deposition, October 19, 2021
- Opinion concerning monopolization issues
- Retained by Dovel & Luner

Irene Breckon and Gregory Sills v. Alsaker AS, et al.

- Federal Court of Canada
- Court File No. T-1664-19
- Expert Report, July 1, 2021
- Expert Reply Report, July 5, 2022
- Opinion concerning class certification issues
- Retained by Siskinds LLP, Sotos LLP, and Koskie Minsky LLP

Gazarek Realty Holdings Ltd., et al. v. Corning Incorporated, et al.

- Ontario Superior Court of Justice
- Court File No. CV-16-549735-00CP
- Expert Report, April 15, 2021
- Opinion concerning class certification issues
- Retained by Camp Fiorante Matthews Mogerman LLP, Sotos LLP, Siskinds LLP

Kate O'Leary Swinkels v. ZF Friedrichshafen Ag, et al.

- Ontario Superior Court of Justice
- Court File No. CV-18-00604648-00CP
- Expert Report, April 15, 2021
- Expert Reply Report, January 19, 2022
- Opinion concerning class certification issues
- Retained by Camp Fiorante Matthews Mogerman LLP, Sotos LLP, Siskinds LLP

David Regan v. Masonite International Corporation, et al.

- Federal Court of Canada
- Court File No. T-1049-20
- Expert Report, March 31, 2021
- Expert Reply Report, July 14, 2023
- Opinion concerning class certification issues
- Retained by Siskinds LLP

In Re: JELD-WEN Holding, Inc. Securities Litigation

- United States District Court for the Eastern District of Virginia Richmond Division
- Case No. 3:20-CV-00112-JAG
- Expert Declaration, January 4, 2021
- Expert Reply Declaration, February 15, 2021
- Testified at deposition, February 26, 2021
- Opinion concerning anticompetitive conduct issues
- Retained by Labaton Sucharow LLP and Robbins Gellar Rudman & Dowd LLP

2020 *In Re Namenda Indirect Purchaser Antitrust Litigation*

- United States District Court Southern District of New York
- Case No. 1:15-CV-06549
- Expert Report, July 6, 2020
- Testified at deposition, July 23, 2020
- Expert Reply Report, September 21, 2020
- Opinion concerning class certification and damages issues regarding indirect purchasers
- Retained by Miller Law LLC and Safirstein Metcalf LLP

In Re: Interior Molded Doors Antitrust Litigation

- United States District Court for the Eastern District of Virginia Richmond Division
- Case No. 3:18-CV-00718-JAG
- Class Certification and Trial Expert Report, January 31, 2020
- Testified at deposition, March 4, 2020
- Class Certification and Trial Expert Reply Report, June 9, 2020
- Testified at deposition, July 16, 2020
- Opinion concerning class certification and damages issues
- Retained by Spector Roseman Kodroff & Willis, P.C., and Berger & Montague, P.C.

2019 *In Re Zetia (Ezetimibe) Antitrust Litigation*

- United States District Court for the Eastern District of Virginia Norfolk Division
- Case No. 2:18-MD-02836-RBS-DEM
- Expert Declaration, November 18, 2019
- Testified at deposition, December 20, 2019
- Expert Trial Declaration, January 13, 2020
- Expert Reply Declaration, February 20, 2020
- Testified at class certification hearing, May 1, 2020
- Expert Trial Reply Declaration, May 8, 2020
- Expert Supplemental Declaration, May 15, 2020
- Testified at deposition, June 9, 2020
- Opinion concerning class certification and damages issues
- Retained by Miller Law LLC and Motley Rice LLC

GAËTAN ROY c. JTEKT Corporation & al. (Bearings/Roulements)

- Cour Supérieure District de Québec
- Case No. 200-06-000159-130
- Expert Report, November 12, 2019
- Opinion concerning class certification issues
- Retained by Siskinds LLP, Sotos LLP

First Impressions Salon, Inc., et al., v. National Milk Producers Federation, et al.

- United States District Court for the Southern District of Illinois
- Case No. 3:13-cv-00454-NJR-SCW
- Expert Report, January 4, 2019
- Testified at deposition, February 13, 2019
- Expert Reply Report, May 3, 2019
- Testified at deposition, May 17, 2019
- Opinion concerning class certification and damages issues
- Retained by Barrett Law Group, NastLaw LLC, and Roberts Law Firm

Sheridan Chevrolet Cadillac Ltd., et al., v. JTEKT Corporation, et al.

- Ontario Superior Court of Justice

- Court File No. CV-13-478644-00CP
- Expert Report, January 2, 2019
- Opinion concerning class certification issues
- Retained by Sotos LLP

2018 *Sheridan Chevrolet Cadillac Ltd., et al., v. Hitachi Ltd., et al.*

- Ontario Superior Court of Justice
- Court File No. CV-14-506683-00CP
- Expert Report, October 4, 2018
- Opinion concerning class certification issues
- Retained by Sotos LLP

In Re Suboxone Direct Purchaser Antitrust Litigation

- United States District Court for the Eastern District of Pennsylvania
- Case No. 2:13-MD-02445-MSG
- Expert Report, September 18, 2018
- Testified at deposition, October 30, 2018
- Merits Expert Report, November 30, 2018
- Expert Rebuttal Report, January 11, 2019
- Testified at deposition, January 17, 2019
- Expert Merits Rebuttal Report, April 26, 2019
- Testified at deposition, June 12, 2019
- Opinion concerning class certification, merits, and damages issues
- Declaration, October 24, 2023
- Opinion concerning proposed settlement allocation plan
- Retained by Berger & Montague, P.C.; Garwin Gerstein & Fisher LLP; and Faruqi & Faruqi LLP

William Rushing, et al. v. Williams-Sonoma, Inc., et al.

- United States District Court Northern District of California, San Francisco Division
- Case No. 3:16-cv-01421-WHO
- Expert Report, July 25, 2018
- Testified at deposition, January 24, 2023
- Opinion concerning class certification issues
- Retained by Rose Law Group, PC

The Hospital Authority of Metropolitan Government of Nashville and Davidson County, Tennessee, et al. v. Momenta Pharmaceuticals, Inc., et al.

- United States District Court Middle District of Tennessee Nashville Division
- Civil Action No. 15-cv-1100
- Testified at deposition, October 10, 2018
- Expert Report, June 22, 2018
- Expert Reply Report, September 21, 2018
- Testified at class certification hearing, May 13, 2019

- Declaration, May 21, 2019
- Expert Merits Report, May 24, 2019
- Declaration, June 18, 2019
- Expert Report, July 5, 2019
- Expert Supplemental Reply Report, July 5, 2019
- Testified at hearing, July 12, 2019
- Expert Merits Reply Report, July 29, 2019
- Testified at deposition, August 13, 2019
- Opinion concerning class certification and damages issues regarding indirect purchasers
- Retained by Lieff Cabraser Heimann & Bernstein, LLP

2017 *Fady Samaha and Urlin Rent a Car Ltd. v. Yamashita Rubber Co., Ltd., et al.*

- Ontario Superior Court of Justice
- Court File No. CV-13-472262-00CP
- Expert Report, December 4, 2017
- Supplemental Report, July 13, 2018
- Expert Reply Report, January 23, 2020
- Testified at deposition, April 20, 2020
- Supplemental Report, September 30, 2020
- Opinion concerning class certification issues
- Retained by Siskinds LLP

In Re Lamictal Direct Purchaser Antitrust Litigation

- United States District Court New Jersey
- Case No. 12-95 -WHW-MCA
- Expert Report, November 6, 2017
- Revised Expert Reply Report, April 16, 2018
- Testified at deposition, June 6, 2018
- Opinion concerning class certification and damages issues
- Retained by Berger & Montague, P.C.

In Re Namenda Direct Purchaser Antitrust Litigation

- United States District Court Southern District of New York
- Case No. 1:15-CV-07488
- Expert Report, September 15, 2017
- Amended Expert Report, September 20, 2017
- Expert Reply Report, October 25, 2017
- Amended Expert Reply Report November 9, 2017
- Testified at deposition, October 6, 2017
- Opinion concerning class certification and damages issues
- Retained by Berger & Montague, P.C.; and Garwin Gerstein & Fisher LLP

In Re Capacitors Antitrust Litigation

- United States District Court Northern District of California San Francisco Division
- Case No. 3:14-CV-03264 -JD
- Expert Declaration, February 24, 2017
- Expert Reply Declaration, April 28, 2017
- Testified at deposition, May 17, 2017
- Expert Trial Declaration, November 30, 2018
- Expert Trial Reply Declaration, April 19, 2019
- Testified at deposition, May 23, 2019
- Expert Declaration, July 2, 2021
- Opinion concerning class certification issues regarding indirect purchasers
- Retained by Cotchett, Pitre & McCarthy, LLP

2016 *Deere Construction, LLC, v. Cemex Construction Materials Florida, LLC, et al.*

- United States District Court Southern District of Florida
- Case No. 15-24375-CIV-ALTONAGA/O'Sullivan
- Expert Report, September 14, 2016
- Testified at deposition, September 27, 2016
- Opinion concerning class certification issues
- Retained by Kozyak Tropin & Throckmorton, LLP; Harke Clasby & Bushman, LLP; and McCallum, Methvin & Terrell, P.C.

Luke Begonja v. Wyndham Vacation Resorts, Inc., et al. (Case No. 2015-CA-010943)

Gerrit Brouwer, Jr., et al. v. Wyndham Vacation Resorts, Inc., et al. (Case No. 2014-CA-008533)

Gary Gottschalk, et al. v. Wyndham Vacation Resorts, Inc., et al. (Case No. 2015-CA-001957)

Susan Hatzipetro, et al. v. Wyndham Vacation Resorts, Inc., et al. (Case No. 2014-CA-007996)

Shelly Keegan, et al. v. Wyndham Vacation Resorts, Inc., et al. (Case No. 2015-CA-001953)

Yvonne Klebba, et al. v. Wyndham Vacation Resorts, Inc., et al. (Case No. 2014-CA-008535)

Adriane McConville, et al. v. Wyndham Vacation Resorts, Inc., et al. (Case No. 2015-CA-001960)

Ernest W. Yeager Jr., et al. v. Wyndham Vacation Resorts, Inc., et al. (Case No. 2014-CA-008054)

- In the Circuit Court of the Ninth Judicial Circuit in and for Orange County, Florida
- Expert Report, September 14, 2016
- Testified at deposition, October 27-28, 2016

- Testified at deposition, March 2-3, 2017
- Expert Report, May 19, 2017
- Testified at deposition, August 29, 2017
- Opinion concerning damages issues
- Retained by Badham & Buck, LLC

In Re: Evanston Northwestern Healthcare Corporation Antitrust Litigation

- United States District Court for the Northern District of Illinois Eastern Division
- No. 07-C-4446
- Expert Report, July 28, 2016
- Expert Reply Report, January 25, 2017
- Testified at deposition, September 20, 2016
- Testified at deposition, February 22, 2017
- Expert Declaration, June 23, 2023
- Opinion concerning damages issues
- Retained by Miller Law LLC

In Re: Ductile Iron Pipe Fittings (“DIPF”) Direct Purchaser Antitrust Litigation

- United States District Court for the District of New Jersey
- Civ. No. 12-711 (AET)(LHG)
- Declaration, May 27, 2016
- Reply Declaration, March 31, 2017
- Testified at deposition, July 8, 2016
- Opinion concerning class certification, merits, and damages issues
- Retained by Cohen Milstein Sellers & Toll PLLC; and Kaplan Fox & Kilsheimer LLP

Nestlé Purina Petcare Company v. Blue Buffalo Company, Ltd.

Blue Buffalo Company, Ltd. v. Nestlé Purina Petcare Company, et al.

Blue Buffalo Company, Ltd. v. Wilbur-Ellis Company, et al.

Diversified Ingredients, Inc. v. Wilbur-Ellis Company, et al.

Diversified Ingredients, Inc. v. Custom AG Commodities, LLC, et al.

- United States District Court for the Eastern District of Missouri Eastern Division
- Cause No.: 4:14-CV-00859 RWS
- Affidavit, March 17, 2016
- Opinion concerning pricing issues
- Retained by Lashly & Baer, P.C.

In Re: Cast Iron Soil Pipe and Fittings Antitrust Litigation

- United States District Court Eastern District of Tennessee at Chattanooga
- Case No.: 1:14-md-2508
- Declaration, March 4, 2016
- Testified at deposition, May 19, 2016

- Opinion concerning class certification and damages issues
- Retained by Cohen Milstein Sellers & Toll PLLC; Cera LLP; and Kaplan Fox & Kilsheimer LLP

Darren Ewert v. Denso Corporation, et al.

- Supreme Court of British Columbia
- Case No. S-135610
- Expert Report, February 12, 2016
- Expert Reply Report, January 5, 2017
- Opinion concerning class certification issues
- Retained by Camp Fiorante Matthews Mogerman

Serge Asselin v. Hitachi, LTD & al.

- Cour Supérieure Disctirct de Québec
- Case No. 200-06-000180-144
- Expert Report, February 11, 2016
- Opinion concerning class certification issues
- Retained by Siskinds LLP

2015 *Thomas Mervyn v. Atlas Van Lines, Inc., et al.*

- United States District Court Northern District of Illinois Eastern Division
- Case No. 1:13-CV-03587
- Expert Declaration, September 3, 2015
- Expert Report, February 4, 2016
- Opinion concerning data issues
- Opinion concerning damages issues
- Retained by Miller Law LLC

Thomas Mervyn v. Nelson Westerberg, Inc.

- United States District Court Northern District of Illinois Eastern Division
- Case No. 1:11-CV-06594
- Expert Report, July 27, 2015
- Opinion concerning damages issues
- Retained by Miller Law LLC

Lane's Gifts and Collectibles, LLC v. Microsoft Online, Inc.

- United States District Court Western District of Washington at Seattle
- No. 2:12-cv-01181-BJR
- Expert Report, March 23, 2015
- Testified at deposition, May 21, 2015
- Opinion concerning damages issues
- Retained by Nix, Patterson & Roach, L.L.P.; and Kessler Topaz Meltzer & Check, LLP

BlueCross BlueShield of Tennessee, Inc., et al. v. King Pharmaceuticals, Inc., et al.

- In the Circuit Court for Cocke County, Tennessee
- Civil Action No. 32941-II
- Expert Report, January 23, 2015
- Opinion concerning impact and damages issues
- Retained by Miller Law LLC

In Re: Domestic Drywall Antitrust Litigation

- United States District Court for the Eastern District of Pennsylvania
- MDL No. 2437 13-MD-2437
- Trial Expert Report, January 23, 2015
- Reply Expert Report, April 23, 2015
- Expert Report concerning class certification, August 3, 2016
- Expert Reply Report concerning class certification, January 9, 2017
- Affidavit, July 11, 2019
- Testified at deposition, February 25, 2015
- Testified at deposition, August 30, 2016
- Testified at deposition, February 17, 2017
- Testified at class certification hearing, April 27, 2017
- Expert Supplemental Report, July 31, 2017
- Opinion concerning merits issues regarding direct purchasers
- Opinion concerning class certification issues, impact and damages regarding direct purchasers
- Retained by Cohen Milstein Sellers & Toll PLLC; Berger & Montague, P.C.; and Spector Roseman Kodroff & Willis, P.C.

In Re: Processed Egg Products Antitrust Litigation

- United States District Court for the Eastern District of Pennsylvania
- MDL No. 2002
- Expert Declaration, January 22, 2015
- Expert Reply Declaration, April 3, 2015
- Testified at deposition, May 7, 2015
- Opinion concerning merits and damages issues regarding indirect purchasers
- Retained by Straus & Boies, LLP

2014 *In Re: Class 8 Transmission Indirect Purchaser Antitrust Litigation*

- United States District Court for the District of Delaware
- Civil Action No. 11-cv-00009 (SLR)
- Declaration, November 3, 2014
- Reply Declaration, March 6, 2015
- Trial Declaration, March 27, 2015
- Trial Reply Declaration, July 2, 2015
- Testified at deposition, December 17, 2014
- Testified at deposition, March 16, 2015
- Testified at class certification hearing, March 25, 2015

- Testified at deposition, May 1, 2015
- Opinion concerning class certification issues regarding indirect purchasers
- Opinion concerning merits and damages issues regarding indirect purchasers
- Retained by Glancy Binkow & Goldberg LLP

Mark S. Wallach, et al., v. Eaton Corporation, et al.

- United States District Court District of Delaware
- Civil Action No. 10-260-SLR
- Expert Report, November 3, 2014
- Expert Reply Report, March 6, 2015
- Trial Expert Report, March 27, 2015
- Trial Expert Reply Report, July 2, 2015
- Testified at deposition, December 16, 2014
- Testified at deposition, March 16, 2015
- Testified at class certification hearing, March 25, 2015
- Testified at deposition, May 1, 2015
- Opinion concerning class certification issues regarding direct purchasers
- Opinion concerning merits and damages issues regarding direct purchasers
- Retained by Cohen Milstein Sellers & Toll PLLC

Sheridan Chevrolet Cadillac Ltd., et al., v. Furukawa Electric Co. Ltd., et al.

Sheridan Chevrolet Cadillac Ltd., et al., v. Mitsubishi Electric Corporation, et al.

- Ontario Superior Court of Justice
- Court File Nos. CV-12-446737-00CP / CV-14-496994-00CP
- Expert Report, April 15, 2016
- Expert Report, October 14, 2014
- Opinion concerning class certification issues
- Retained by Siskinds LLP

Resco Products, Inc., v. Bosai Minerals Group Co., Ltd., et al.

- United States District Court for the Western District of Pennsylvania
- Civil Action No.: 2:06-cv-235-JFC
- Expert Report, September 24, 2008
- Expert Report, September 29, 2014
- Supplemental Expert Report, December 15, 2014
- Testified at deposition, February 13, 2015
- Opinion concerning damages
- Retained by Boies, Schiller & Flexner LLP

Fond Du Lac Bumper Exchange Inc., et al. v. Jui Li Enterprise Company Ltd. et al.

- United States District Court Eastern District of Wisconsin
- Case No.: 2:09-cv-00852-LA
- Affidavit, August 1, 2014
- Affidavit, November 4, 2014

- Declaration, April 24, 2015
- Expert Report, July 15, 2015
- Expert Reply Report, November 24, 2015
- Expert Surreply Report, January 15, 2016
- Expert Trial Report, August 18, 2016
- Expert Trial Reply Report, December 20, 2016
- Testified at deposition, October 1, 2015
- Testified at deposition, February 13, 2017
- Opinion concerning class certification and damages issues
- Opinion concerning Defendants' replacement data
- Opinion concerning Defendant and LKQ transaction-level data
- Opinion concerning merits and damages issues
- Retained by Stueve Siegel Hanson, LLP

Meredith Corporation, et al., v. SESAC, LLC, et al.

- United States District Court for the Southern District of New York
- 09 Civ. 9177 (PAE)
- Expert Report, July 10, 2014
- Opinion concerning class certification issues
- Retained by Weil, Gotshal & Manges LLP

Janet Skold, et al., v. Intel Corporation, et al.

- Superior Court of the State of California for the County of Santa Clara
- Case No. 1-05-CV-039231
- Expert Report, June 14, 2007
- Testified at deposition, August 31, 2007
- Testified at deposition, January 10, 2014
- Opinion concerning class certification issues
- Opinion concerning damages issues
- Retained by Girard Gibbs LLP

In Re: Polyurethane Foam Antitrust Litigation

- United States District Court Northern District of Ohio Western Division 8
- MDL No. 2196
- Declaration, June 11, 2013
- Reply Declaration, October 23, 2013
- Trial Declaration, March 18, 2014
- Reply Trial Declaration, June 30, 2014
- Testified at deposition, August 20, 2013
- Testified at deposition, November 20, 2013
- Testified at class certification hearing, January 15, 2014
- Testified at deposition, April 14, 2014
- Testified at deposition, July 14, 2014
- Opinion concerning class certification issues regarding indirect purchasers

- Opinion concerning merits and damages issues
- Retained by Miller Law LLC

Professional Experience

Economic Consulting Positions

Monument Economics Group, Oct. 11, 2016 - Present

Nathan Associates, Inc., Arlington, VA, *Senior Vice President*, Jan. 2013 – Sep. 20, 2016

Advanced Analytical Consulting Group, Inc., Washington, DC, *Principal*, Mar. 2011– Jan. 2013

Econ One Research, Inc., Washington, DC, Managing Director and DC Office Head, Jul. 2006 – Mar. 2011

- Opened and staffed the DC office; managed office affairs on a daily basis
- Retained as an expert witness for damages and class certification issues in antitrust, breach of contract, product liability and RICO cases; representative testimony includes determination of liability and damages in a case involving resale price maintenance in consumer products, class certification in a horizontal price-fixing case involving international travel in the airline industry, class certification in a consumer class action involving RICO claims in state court
- Industry pre-litigation analyses for consumer products, chemicals, and other industries

Navigant Consulting, Inc., Washington, DC, *Associate Director*, Feb. 2006 – Jul. 2006

- Case manager for damages analysis in asbestos litigation and personal injury claims

Nathan Associates, Inc., Arlington, VA, *Managing Economist*, Jul. 2004 – Feb. 2006

- Case manager for economic analysis of class certification and damages issues in antitrust and RICO cases involving the chemical, consumer products, and tobacco industries
- Retained as expert on damages for direct purchasers of NBR in the Crompton Global Settlement; submitted an Affidavit on damages and appeared before the Special Master for the Crompton Global Settlement (the Hon. Kenneth Feinberg)

Board Membership

- Board of Advisors, American Antitrust Institute, Washington, DC
- Department of Economics Advisory Council, University of Tennessee, Knoxville, Chairman, Spring 2006 – April 2011

Teaching Positions

- The University of Tennessee, Knoxville, *Adjunct Professor*, Spring 2019 – present

- The George Washington University, Washington, DC, *Adjunct Assistant Professor of Economics*, Fall 2004 – present
- North Carolina State University (NCSU), *Assistant Professor* (Department of Agricultural and Resource Economics), Fall 1999 – Spring 2004
- The University of Pennsylvania, *Adjunct Instructor*, Summer 1990 – Spring 1994

Additional Teaching Experience

- The Wharton School Evening Division, Philadelphia, PA, summer 1993
- Rutgers University, Camden, NJ, summer 1993
- Philadelphia College of Textiles and Science, Philadelphia, PA, fall 1992
- The Pennsylvania State University, Media, PA, 1991
- St. Mary's College of Maryland, St. Mary's City, MD, summer 1989
- The University of Maryland University College, College Park, MD, 1988-1989

Courses Taught

- Managerial Economics for MBA students (George Washington University)
- Law and Economics (George Washington University)
- Intermediate Microeconomics – graduate level (George Washington University)
- Latin American Economic Development (George Washington University)
- International Trade: Theory and Policy (George Washington University)
- International Finance: Theory and Policy (George Washington University)
- Agricultural Production and Supply – Ph.D. field course (North Carolina State University)
- U.S. Agricultural Policy (North Carolina State University)
- Microfinance: Theory, Practice and Regulation (Superintendencia de Banca y Seguros)
- Statistical Analysis for Economics (University of Pennsylvania)
- Principles of Microeconomics (University of Maryland, St. Mary's College of Maryland)
- Principles of Macroeconomics (University of Pennsylvania, The Wharton School, Penn State University)
- Fundamentals of Micro/Macro Economics (University of Maryland)
- Environmental and Natural Resource Economics (Rutgers)

Federal Reserve Experience

Federal Reserve Bank of Kansas City, *Senior Economist* Jan. 1998 – Aug. 1999; *Economist*, Jan. – Dec. 1997

- Analysis of regional, macroeconomic developments in agriculture, and energy
- Research on public policy towards agriculture in the U.S., especially the impact of farm policy reform
- Briefings to the Bank president and outside groups on the regional economy, agriculture, agricultural trade

Board of Governors of the Federal Reserve System, *Economist*, Jun. 1994 – Dec. 1996

- Analysis of macroeconomic conditions, commodity markets, and prices (CPI, PPI, Core prices)
- Forecasting of agricultural output, prices, and income
- Briefings to the Board of Governors on agriculture and food-price developments

Other Consulting Experience

World Perspectives, Inc., 2003 - 2004

- Analysis of trade barriers for U.S. exports of feed ingredients, pet food ingredients, and food ingredients
- Analysis of the impact of a Free Trade Area of the Americas on U. S. soybean producers
- Analysis of the potential for U.S. Halal-certified meat exports to the Middle East

Womble Carlyle Sandridge & Rice, LLP, 2003 - 2004

- Provided expert testimony related to the estimation of business profitability Smith-Moore, 2002 - 2003
- Provided economic analysis of the U.S. Tobacco Program

Superintendencia de Banca y Seguros (Lima, Peru), 1998 - 2000

- Developed and taught a class on Microfinance issues (in English) to students enrolled in a training program for bank examiners; the program was sponsored by the Inter-American Development Bank.

World Bank, Africa Technical Department, 1992 – 1993

- Summarized and provided an overview of data available on African economic and social indicators

ACG-Afrique, January 1993

- Provided critical review of a study document outlining the impact of structural adjustment on African agriculture

Professional Organizations

- National Association for Business Economics
- American Economic Association

Papers, Publications, and Speeches

Papers Published in Refereed Journals

- “Losing the Forest for the Trees: On the Loss of Economic Efficiency and Equity in Federal Price-Fixing Class Actions,” (with Martin A. Asher and Gregory K. Arenson) *Virginia Law & Business Review*, Vol. 16, No. 2, Spring 2022, 293-325
- “Government Regulation and Quality in the U.S. Beef Market,” (with Peyton Ferrier) *Food Policy*, Vol. 32, No. 1, February 2007, 84-97
- “Rent-seeking in U.S.-Mexican Avocado Trade,” *Cato Journal*, Vol. 26, No. 1, December 2006, 159-177
- “Consolidation in U.S. Agriculture and the Role of Public Policy,” *The ICFAI Journal of Agricultural Economics*, Vol. 1, 2004, 7-16
- “Fertilizer Use, Risk, and Off-farm Labor Markets in the Semi-Arid Tropics of India,” *American Journal of Agricultural Economics*, Vol. 85, No. 2, May 2003, 359-371
- “Inverse Productivity: Land Quality, Labor Markets, and Measurement Error,” *Journal of Development Economics*, Vol. 71, No. 1, June 2003, 71-95
- “A Market-Forces Policy for the New Farm Economy?” *Review of Agricultural Economics*, Vol. 24, No. 1, 1 March 2002, 15-30
- “Food Crops, Exports, and the Short-run Policy Response of Agriculture in Africa,” *Agricultural Economics*, Vol. 22, No. 3, April 2000, 271-298
- “FAIR Act Implications for Land Values in the Corn Belt,” (with Jason Henderson) *Review of Agricultural Economics*, Vol. 22, No. 1, Summer – Spring 2000, 102-119
- “Why are Estimates of Agricultural Supply Response So Variable?” (with Francis X. Diebold) *Journal of Econometrics*, Vol. 76, No. 1-2, January – February 1997, 367-373

Non-refereed Publications, Articles, and Editorials

- “The Predominance Requirement for Antitrust Class Actions – Can Relevant Market Analysis Help?” (with Jeffrey Leitzinger) American Bar Association – Section of Antitrust Law, *Economics Committee Newsletter*, Vol. 7, No. 1, Spring 2007, 17-22
- “Reform of U.S. Farm Policy in an Integrating World Economy,” *Developing Countries in the WTO System*, 2006
- “New Farm Economy,” *Regulation*, Winter 2003-2004, Cato Institute for Public Policy Research, 2003
- “What Road Will U.S. Economy Take in 2003?” *Southeast Farm Press*, 5 February 2003
- “Fast Track for the Tax Cuts,” guest editorial, *News and Observer*, 18 January 2003
- “The 2002 Farm Bill,” (with Blake Brown and Michele Marra) *NC State Economist*, November – December 2002

- “Economy-minded Tax Cuts: Bush's Reductions Provided the Boost to Lift U.S. From Recession,” guest editorial, *News and Observer*, 2 July 2002
- “Policy Only Effective if Farm Economy is Recognized,” special report to *Feedstuffs*, 5 June 2000
- “Aid During Crisis of Little Long-term Help to Farmers,” guest editorial, *Kansas City Star*, 23 August 1999
- “Survey of Agricultural Credit Conditions,” Federal Reserve Bank of Kansas City, *Regional Economic Digest*, various issues, 1997-1999
- “U.S. Agriculture at the Crossroads in 1999,” *Economic Review*, Federal Reserve Bank of Kansas City, Vol. 84, No. 1, 1999, 73-91
- “Can U.S. Oil Production Survive the 20th Century?” *Economic Review*, Federal Reserve Bank of Kansas City, Vol. 84, Quarter I, 1999
- “Will the Tenth District Catch the Asian Flu?” (with Ricardo Gazel) *Economic Review*, Federal Reserve Bank of Kansas City, Vol. 83, Quarter II, 1998, 9-26
- “From the Plains to the Plate: Can the Beef Industry Regain Market Share?” (with Michelle Beshear) *Economic Review*, Federal Reserve Bank of Kansas City, Vol. 83, Quarter IV, 1998, 49-66
- “U.S. Agriculture: Another Solid Year in 1998?” (with Mark Drabenstott) *Economic Review*, Federal Reserve Bank of Kansas City, Vol. 83, No. 1, Quarter I, 1998, 55-74
- “How Will the 1996 Farm Bill Affect the Outlook for District Farmland Values?” *Economic Review*, Federal Reserve Bank of Kansas City, Vol. 82, Quarter IV, 1997, 85-101
- “Food Prices and the Farm Sector,” monthly *Greenbook*, Federal Reserve Board of Governors, various issues 1994-1996
- “Hedge to Arrive Contracts,” Memo to the Board of Governors, Federal Reserve Board of Governors, 5 June 1996
- “Prices in the May Greenbook,” Federal Reserve Board of Governors, 19 May 1996
- “Prices in the March Greenbook,” Federal Reserve Board of Governors, 24 March 1996
- “Commodity Price Developments,” Weekly memo to the Board of Governors, Federal Reserve Board of Governors, August 1994 – December 1996

Conference Presentations

- “Class Action Developments,” panelist at the American Antitrust Institute’s 6th Annual Private Antitrust Enforcement Conference, Washington, DC: 4 December 2012
- “Consequences for Antitrust Thought and Practice,” presented at the American Antitrust Institute Invitational Symposium: Antitrust Challenge of Multi-Channel Distribution in the Internet Age, Washington, DC: 22 June 2011

- “The U.S. Economy in the Year Ahead,” presented at the Long Company Annual Conference, Chicago, IL: 11 September 2009 and 19 September 2008
- “The U.S. Economic Outlook,” presented at the Industry Outlook Conference, Chicago, IL: 17 October 2006 and 18 October 2005
- “How Will the Economy Impact Your Business?” presented at the Long Company Annual Conference, Las Vegas, NV: 14 August 2004
- “Focus on The Economy” presented at *Milling and Baking News* Annual Purchasing Managers’ Conference, Kansas City, MO: 14 June 2004, 10 June 2003 and 11 June 2002
- “The U.S. Economic Outlook and Agriculture,” presented at the Industry Outlook Conference, Chicago, IL: October 2003
- “The U.S. Economic Outlook and Agriculture,” presented at the Industry Outlook Conference, Breckenridge, CO: 7 April 2002
- “The U.S. Economic Outlook: The Cost of Terror,” presented at the Southern Agricultural Outlook Conference, Atlanta, GA: 24 September 2001
- “The Economy in Focus,” presented at *Milling and Baking News* annual purchasing managers’ conference, Kansas City, MO: 5 June 2001
- “The Great American Growth Machine,” presented at the Southern Agricultural Outlook Conference, Atlanta, GA: 27 September 2000
- “The Economy in Focus,” presented at *Milling and Baking News* annual purchasing managers’ conference, Kansas City, MO: 6 June 2000
- “The Outlook for the U.S. Pork Sector,” presented to the Industry Outlook Conference, Las Vegas, NV: 17 April 2000
- “The National Economic Outlook: The Road Ahead,” presented to the Food Industry Outlook Conference, Breckenridge, CO: 11 April 1999
- “Farm Policy for the New Millennium,” presented to Federal Reserve Bank of Kansas City, Division of Bank Supervision and Regulation, Bank Examiners’ Annual Training Conference, 7 January 1999
- “The Impact of the 1996 Farm Bill on Farmland Values,” (with Jason Henderson) first place poster presentation at the annual meetings of the American Agricultural Economics Association, Salt Lake City, UT: 4 August 1998
- “A Note on the Inverse Productivity Relationship,” presented at the annual meetings of the Western Economic Association International, Seattle, WA: July 1997
- “Off-farm Labor Supply and Fertilizer Use in the Semi-Arid Tropics of India,” presented at the annual meetings of the American Agricultural Economics Association, August 1995
- “Prices for Food-Away-From-Home and Core Inflation: Some Empirical Relationships,” (with James E. Kennedy) presented at the Federal Reserve System Committee on Agriculture, Richmond, VA: October 1995

- “Some Simple Dynamics of Farming,” presented at the annual meetings of the American Agricultural Economics Association, Orlando, FL: August 1993
- “Structural Adjustment and Food Security,” (with W. Graeme Donovan), presented at the annual meetings of the American Agricultural Economics Association, Orlando, FL: August 1993
- “Structural Adjustment and African Agricultural Supply Response to Exchange Rate and Price Movements,” (with W. Graeme Donovan), presented at the annual meetings of the Southern Agricultural Economics Association, Tulsa, OK: January 1993

Other Presentations

- Panelist, “Injured V. Non-Injured In Class Actions,” American Bar Association, 18 October 2022
- Panelist, “If I Am Uninjured, Do I Not Bleed? The Packaged Seafood Decision,” American Bar Association Webinar, 22 June 2022
- Panelist, “Antitrust Class Actions – Where Are We? A 360 Degree Perspective,” NYSBA Annual Antitrust Law Section Meeting,” 30 January 2014
- Panelist, Retrospective on the Baby Products Litigation, ABA Section of Antitrust Law: Pricing Conduct Committee, 31 July 2013
- Panelist, Economic Forecasting Summit, Northern Indiana Workforce Investment Board, Inc., 29 March 2007
- “The Welfare Benefits of USDA Beef Quality Certification Programs” (with Peyton Ferrier), presentation memo, 2007
- “Reform of U.S. Farm Policy in an Integrating World Economy,” presented to the Cordell Hull Institute, Trade Policy Roundtable on Reform of U.S. Farm Policy and the WTO System, Washington, DC: 31 March 2006
- “The Case for a Market-forces Farm Policy in the U.S.” presented at the Cordell Hull Institute Trade Policy Roundtable, Washington DC: 26 May 2005
- “How Will the Economy Impact Your Business?” presented at the Apple Processors Association annual meeting, Homewood Resort, 20 June 2004
- “The U.S. and International Economic Outlook,” presented at the AgFirst Loan Officer’s Seminar, Atlanta, GA: 30-31 October 2002
- “Will the U.S. Economy Bounce or Crawl?” presented to the Eastern Bankruptcy Institute, North Myrtle Beach, SC: 1 June 2002
- “The U.S. Economic Outlook and Agriculture,” presented to the National Pork Producers Pork Action Group, Washington, DC: 10 April 2002
- “The U.S. Economic Outlook” presented to the Risk Management Associates, Raleigh, NC: 7 February 2002

- “The U.S. Economic Outlook: The Cost of Terror,” presented at the National Pork Producers Pork Action Group, Marco Island, FL: 14 November 2001
- “Consolidation in Agriculture and the Role of Public Policy,” paper presented to the Southern Extension Meetings, Williamsburg, VA: 13 June 2000
- “The New Farm Economy,” presented at the annual meetings of the National Association of County Agricultural Agents, Omaha, NE: 14 September 1999
- “Regional Economic Update,” presented to bankers in Kansas, Nebraska, Missouri, and Oklahoma as part of the Regulatory Update Seminar, Federal Reserve Bank of Kansas City, April 1999
- “The National Economic Outlook,” presented to Oklahoma State University Advanced Cattle Management Seminar, Stillwater, OK: 11 March 1999
- “Regional Economic Update,” presented to Thomas Hoenig, President, Federal Reserve Bank of Kansas City, 13 November 1998
- “Can the Tenth District Survive the Asian Flu?” The Federal Reserve Bank of Kansas City Economic Forums, nine presentations to bankers in Wyoming, Oklahoma, and New Mexico, 21 September – 21 October 1998
- “The Impact of Asian Economic Developments on Tenth District Agriculture,” presented to Thomas Hoenig, President, Federal Reserve Bank of Kansas City, 30 January 1998
- “The Outlook for the Nebraska Economy,” The Federal Reserve Bank of Kansas City: Nebraska Economic Forums, six presentations to bankers in Nebraska, 6-15 October 1997
- “Update on the Macroeconomy and Special Briefing on Forecast Performance at the Kansas City Fed,” presented to Thomas Hoenig, President, Federal Reserve Bank of Kansas City, 13 August 1997
- “Regional Economic Update,” presented to Thomas Hoenig, President, Federal Reserve Bank of Kansas City, 14 May 1997 and 21 March 1997
- “Producer Prices, Retail Sales, and Agricultural Commodity Markets,” presented to the Board of Governors of the Federal Reserve System, 15 July 1996

Referee Experience

Referee for the Following Academic Journals

- World Development, 1993
- Journal of Development Economics, 1994, 1995
- International Economic Review, 1995
- Journal of Human Resources, 1997
- Journal of Business and Economics Statistics, 1997
- American Journal of Agricultural Economics, 1999, 2001, 2002

- Agricultural Economics, 2000, 2001, 2004
- Agricultural Finance Review, 2000, 2004
- Review of Agricultural Economics, 2000, 2002, 2004
- Journal of Agricultural and Resource Economics, 2000, 2001, 2002
- Emerging Markets Review, 2001
- Contemporary Economic Policy, 2004

Fellowships, Honors, and Awards

Fellowships

- Departmental Fellowship, University of Pennsylvania, 1989-1990
- Dean's Fellowship, University of Pennsylvania, 1991-1992
- Graduate School Fellowship, University of Maryland, College Park, 1987-1989

Honor Societies and Professional Organizations

- Phi Eta Sigma National Honor Society
- Mortar Board National Honor Society
- Golden Key National Honor Society
- Vice President for Professional Activities, Delta Sigma Pi

Awards

- Top Graduate in Liberal Arts, University of Tennessee, Knoxville, Spring 1987
- Chancellor's Citation for Extraordinary Professional Promise, University of Tennessee, Knoxville
- Chancellor's Citation for Outstanding Academic Achievement, University of Tennessee, Knoxville
- First place poster presentation, American Agricultural Economics Association annual meetings, August 1998 (with Jason Henderson)
- Honorable mention, American Agricultural Economics Association, Essay for the 21st Century, 2001, "A Market Forces Policy for the New Farm Economy"
- Honorable mention, American Antitrust Institute Antitrust Enforcement Awards, Outstanding Antitrust Litigation Achievement in Economics (for work in *In Re Titanium Dioxide Antitrust Litigation*)
- American Antitrust Institute Antitrust Enforcement Awards, Outstanding Antitrust Litigation Achievement in Economics (for work in *In Re Domestic Drywall Antitrust Litigation*)

- American Antitrust Institute Antitrust Enforcement Awards, Outstanding Antitrust Litigation Achievement in Economics (for work in *In Re Namenda Direct Purchaser Antitrust Litigation*)

External Funding

- “Unmanufactured Flue-Cured Tobacco Exports and the Export Component of the Quota Formula.” \$13,890 NC Tobacco Foundation. With Blake Brown 2000 – 2001.

Professional Activities and Services

Graduate Student Advising

M.A. degree, North Carolina State University

- Joe Weinberg (Political Science)

Master of Economics, North Carolina State University

- William Pole (2000)
- Dwight Wilder (Chairman, 2002)
- Adrian Atkeson (2002)
- Sarah Spivey
- Li Zhang (Chairman, 2003)
- Nia Atmadja (2003)

Doctor of Philosophy, North Carolina State University

- William Deese (2003)
- Peyton Ferrier (Chairman, 2004)
- Yang Wang (2003)
- Bobby Huggett (2003)
- Syed Wadood (Chairman, 2004)
- Henry Kuo

Economic and Statistical Modeling Skills

- Experience with all major statistical software including SAS, STATA, LIMDEP and C++; applied econometric modeling skills in damage analysis of consumer industries, chemicals industries, and agricultural markets, correlation analysis for class certification.