

SHANE FOREST BATIE MD

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Work History:

University of Texas Southwestern Medical Center Assistant Professor, Pediatric Urology	August 2023 - Current
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Education:

University of Texas Southwestern Medical Center Fellow, Pediatric Urology.	July 2021 – June 2023
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University of New Mexico Hospital Health Sciences Center Urology Residency	July 2017 – June 2021
General Surgery Internship	July 2016 – June 2017

University of Arizona College of Medicine – Phoenix Doctor of Medicine	July 2012 – May 2016
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Arizona State University Bachelor of Science, Life Sciences Concentration in molecular cell biology and biochemistry	August 2009 - December 2011
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South Mountain Community College Combination of academic and athletic scholarship	August 2008 – July 2009
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Peer-Reviewed Publications

Batie S, Lee JH, Jama RA, et al. Synthesis and biological evaluation of halogenated curcumin analogs as potential nuclear receptor selective agonists. *Bioorg Med Chem.* 2013;21(3):693-702. PMID: 23276449

Hoss E, Austin HR, **Batie SF**, Jurutka PW, Haussler MR, Whitfield GK. Control of late cornified envelope genes relevant to psoriasis risk: upregulation by 1,25-dihydroxyvitamin D3 and plant-derived delphinidin. *Arch Dermatol Res.* 2013;305(10):867-78. PMID: 23839497

Austin HR, Hoss E, **Batie SF**, Moffet EW, Jurutka PW, Haussler MR, Whitfield GK. Regulation of late cornified envelope genes relevant to psoriasis risk by plant-derived cyanidin. *Biochem Biophys Res Commun.* 2014 Jan 24;443(4):1275-9 PMID: 24393842

Dampf-Stone A, **Batie S**, Sabir M, et al. Resveratrol Potentiates Vitamin D and Nuclear Receptor Signaling. *J Cell Biochem.* 2014 Dec 23. doi: 10.1002/jcb.25070. PMID: 25536521

Sabir MS, Khan Z, Galligan MA, Dussik CM, Mallick S, Stone AD, **Batie SF**, Jacobs ET, Whitfield GK, Haussler MR, Heck MC, Jurutka PW. SIRT1 enzymatically potentiates 1,25-dihydroxyvitamin D3 via vitamin D receptor deacetylation. *J Steroid Biochem.* 2017 Sep 172: 117-129. PMID: 28636886

Batie SF, Coco CT, Jacobs MA. Proximal isolated congenital anterior urethrocutaneous fistula resulting in a urethral "skip" lesion. *Urol Case Rep.* 2021 Dec 7;41:101975. doi: 10.1016/j.eucr.2021.101975. PMID: 34976736

Caldwell KM, Coco CT, Ammah CN, **Batie SF**, Peters CA. A novel Technique for Ureteral Orifice Dilatation in the Infant. *Videourology.* 2022 Feb 25. <https://doi.org/10.1089/vid.2022.0003>

Batie SF, Coco CT, Passoni NM, Edwards AB, Schlomer BJ, Peters CA. Robot assisted laparoscopic partial cystectomy for inflammatory myofibroblastic tumor with simultaneous intraoperative flexible cystoscopy for tumor mapping. *Urol Case Rep.* 2022 Mar 28;43:102070. doi: 10.1016/j.eucr.2022.102070. PMID: 35391895; PMCID: PMC8980748.

Coco CT, **Batie SF**, Cairo SB, Morris WZ, Pandya S, Passoni NM, Stewart RD, Peters CA, Jacobs MA. Delayed Surgical Management of an Unusual Classic Bladder Exstrophy Variant. *Urology.* 2023 Feb;172:178-181. doi: 10.1016/j.urology.2022.09.037. Epub 2022 Nov 24. PMID: 36436675.

Carolan AMC, **Batie SF**, Caldwell KM, Singh V, Chan YY. Urethral pyogenic granuloma in a pediatric patient. *Urol Case Rep.* 2022 Oct 19;45:102264. doi: 10.1016/j.eucr.2022.102264. PMID: 36313236; PMCID: PMC9597102.

Ashbrook C, **Batie SF**, Sengupta A, Peters CA. Granular cell tumor in the scrotum of a pediatric patient: A case report of a rare clinical entity. *Urol Case Rep.* 2023 Feb 7;47:102327. doi: 10.1016/j.eucr.2023.102327. PMID: 36895467; PMCID: PMC9988460.

Carolan A, **Batie S**, Rakheja D, Jacobs M, Peters C, Stanasel I. Testicular relapse of acute lymphoblastic leukemia. *Urol Case Rep.* 2023 May 24;50:102449. doi: 10.1016/j.eucr.2023.102449. PMID: 37416750; PMCID: PMC10320516.

Batie SF, Coco CT, Braga BP, Chan YY, Stanasel I, Jacobs MA, Baker LA, Peters CA, Schlomer BJ. Clinical utility and interrater reliability of video urodynamics in children with isolated fibrolipoma of filum terminale. *J Pediatr Urol.* 2023 May 5:S1477-5131(23)00203-6. doi: 10.1016/j.jpuro.2023.05.002. Epub ahead of print. PMID: 37211501.

Batie SF, Coco CT, Reddy S, Pritzker K, Traylor JM, Tracy JD, Chan YY, Stanasel I, Schlomer BJ, Jacobs MA, Baker LA, Peters CA. Ureteral stent extraction strings in children: Stratifying the risk of post operative urinary tract infection. *J Pediatr Urol.* 2023 Jun 2:S1477-5131(23)00223-1. doi: 10.1016/j.jpuro.2023.05.017. Epub ahead of print. PMID: 37321933.

Batie SF, Ashbrook CQ, Coco CT, Baker LA, Stanasel I. Urologic manifestations of hypotonia, ataxia, and delayed development syndrome (HADDs), a rare neurodevelopmental disorder. *J Pediatr Urol.* 2023 Aug 25:S1477-5131(23)00382-0. doi: 10.1016/j.jpuro.2023.08.023. Epub ahead of print. PMID: 37718233.

Poster Presentations:

Is Ambulatory Status Associated with Sexual Function and Activity in the Young Adult Spina Bifida Population?

Shane F. Batie MD, Janelle Traylor, Shaheer Ali, Samuel A. Gold, Yvonne Y. Chan, Bruce J. Schlomer, Micah A. Jacobs. Accepted AUA 2022

Safely Increasing the Number of Renal Transplants Performed in a Small Center Through the Use of Acute Kidney Injury Donors.

Shane F. Batie MD, Kareem Eid MD, Kirby Gabrys MD, Fidel Barrantes MD, Breanna Trujillo MD, Hannah Kerr MD. South Central Section, Urologic Society for Transplantation and Renal Surgery 2020.

Preoperative Ureteropelvic Junction Obstruction Imaging: Are Nuclear Medicine Renograms Necessary?

Shane F. Batie MD, Lauren Faber, Jessica M Ming MD, Jason M Wilson MD. Rocky Mountain Urologic Society. 2019

Falling Short on Urine Volumes: Predictive Factors for Achieving the AUA Recommended Daily Urine Volume Goal. Sean McAdams, MD, **Shane Batie, MD**, Mitchell Humphreys, MD. 2016. World Congress of Endourology, American Urological Association Western Section

Nutritional Crosstalk Between Resveratrol and Vitamin D Signaling is Mediated by the Vitamin D Receptor.

Shane F. Batie, Jamie Lee, Mark R. Haussler and Peter W. Jurutka, 2011 Abstract accepted for poster presentation at Arizona-Nevada Academy of Science on Saturday, April 9

Evaluation of Novel Curcumin Analogs as Biological Activators of Vitamin D Receptor Signaling.
Shane F. Batie, Jamie H. Lee, Carl E. Wagner, Michael A. Galligan, Mark R. Haussler and Peter W. Jurutka
2012 Abstract accepted for poster presentation at Arizona-Nevada Academy of Science on April 14

The Role of Resveratrol as a Modulator of the Vitamin D Pathway.
Shane F. Batie, Angelika Dampf Stone, G. Kerr Whitfield, et al. 2012 Abstract accepted for poster presentation at Arizona-Nevada Academy of Science on April 14

Evaluation of Resveratrol as a Novel Modulator of the Foxo and Vitamin D Pathways in Colon Cancer.
Marya S. Sabir, Angelika Dampf Stone, **Shane F. Batie**, et al. 2013 Abstract accepted for poster presentation at Arizona-Nevada Academy of Science on June 16

The Putative Role of Resveratrol in SIRT-1 Mediated Modulation of the Vitamin D Pathway.
Angelika Dampf Stone, **Shane F. Batie**, G. Kerr Whitfield, et al. 2013 Abstract accepted for poster presentation at American Association for the Advancement of Science Pacific Conference on June 17

Evaluation of Risk Factors for Delayed or Non-Union in Pediatric Tibia Fractures Treated with Flexible Intramedullary Nail Fixation.
Shane F. Batie, Lee S. Segal, Michael W. Shrader. 2014 Abstract accepted for poster presentation at POSNA/AAOS December 4

Evaluation of Resveratrol and SIRT1 as Novel Modulators of Vitamin D Signaling.
Marya S. Sabir, Zainab Khan, **Shane F. Batie**, et al. 2015 Abstract accepted for poster presentation at ENDO March 7

Oral Presentations:

Is There an Optimal Way to Measure Renal Function in Prune Belly Syndrome?
Shane F. Batie, Samuel A. Gold, Shaheer Ali, Daniel G. Wong, Niccolo M. Passoni, Steven M. Harrison, Nida I. Karra, Nathalia G. Amado, Jyothsna Gattineni, Linda A. Baker. Accepted AUA 2022

Robotic Assisted Laparoscopic Partial Cystectomy for Inflammatory Myofibroblastic Tumor with Simultaneous Intraoperative Flexible Cystoscopy for Tumor Mapping
Shane F. Batie MD, Caitlin T. Coco MD, Niccolo M. Passoni MD, Angelena B. Edwards MD, Bruce J. Schlomer MD, Craig A. Peters MD. North American Robotic Urology Symposium, February 2022.

Congenital Pediatric Urologic Conditions
Shane F. Batie MD. Cases and Consults with Fellows Pediatric Resident Education Conference 2021

Development of a Neonatal Intensive Care Unit Protocol for Newborns with Spina Bifida.
Shane F. Batie MD, Scott McFerren MD, Julie Riley MD. Quality Improvement Conference 2021

Safely Increasing the Number of Renal Transplants Performed in a Small Center Through the Use of Acute Kidney Injury Donors.
Shane F. Batie MD, Kareem Eid MD, Kirby Gabrys MD, Fidel Barrantes MD, Breanna Trujillo MD, Hannah Kerr MD. American Transplant Congress 2020

Preoperative Ureteropelvic Junction Obstruction Imaging: Are Nuclear Medicine Renograms Necessary?
Shane F. Batie MD, Lauren Faber, Jessica M Ming MD, Jason M Wilson MD. Academic Excellence Day, University of New Mexico 2019

Establishing and Implementing an Evidence Based Approach to Prostate Biopsy Antibiotic Prescribing in an Academic Setting.

Shane F. Batie MD, Scott McFerren MD, Julie Riley MD Quality Improvement Conference 2019

Evaluation of Risk Factors for Delayed or Non-Union in Pediatric Tibia Fractures Treated with Flexible Intramedullary Nail Fixation.

Shane F. Batie, Lee S. Segal, Michael W. Shrader. 2015 Abstract and manuscript accepted for podium presentation at American Academy of Orthopedic Surgery March 24

Additional Publications:

Jurutka PW, Whitfield GK, Forster R, **Batie S**, Lee J, and Haussler MR. Vitamin D: A Fountain of Youth in Gene Regulation. Vitamin D: Oxidative Stress, Immunity, and Aging November 21, 2012 by CRC Press

Professional Organizations:

American Urologic Association	2015 – Present
The Societies for Pediatric Urology	2021 – Present
South Central Section of the American Urologic Association	2016 – Present
Journal of Urology Pediatric Section: Reviewer	2022 – Present
Urology (Gold Journal): Reviewer	2023 – Present
Dallas County Medical Society/Texas Medical Association	2021 – Present

Other Awards and Accomplishments:

- Resident In-Service Exam Pediatric Sponsor 2023-Present
- Director: Pediatric Urology Fellow Laparoscopy Dallas course 2023-Present
- Testicular Torsion NSQIP Collaborative – Hospital Representative 2023-Present
- 2nd Place: “Unique Complications” AUA/SCS 2023
- Administrative Chief Resident 2019-2020
- Certificate of Excellence in Medical Student Education 2018, 2019, 2020, 2021
- Medical School Clerkship Review Committee 2014-2016
- Medical Scholarship and Medical Grant Recipient 2012-2015
- Arizona State University Outstanding Alumni Initiative 2014
- Arizona State University Outstanding Graduate 2011
- Salt River Project Undergraduate Research Scholarship 2011
- New College Undergraduate Inquiry and Research Experiences Scholar 2010-2011
- College Athletic Scholarship 2008