

Curriculum vitae

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Place of Birth: Saginaw, Michigan

Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
2010	M.D.	Medicine	University of Texas Medical Branch in Galveston, Texas
2004	B.S., B.A.	Human Physiology, Spanish	Michigan State University
2004	None	Human Physiology, Spanish	Universidad de San Francisco in Quito, Ecuador

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
2015-2017	Postdoctoral Researcher	Dinesh Rakheja Ryan Potts	University of Texas Southwestern
2014-2015	Fellow	Pediatric Pathology	University of Texas Southwestern
2010-2014	Resident	Pathology (Anatomic and Clinical)	University of Texas Southwestern

Current Licensure and Certification

Licensure

State of Texas - 2017-present

Commonwealth of Pennsylvania - 2014-2017

Board and Other Certification

American Board of Pathology - Anatomic and Clinical - 2015

American Board of Pathology - Pediatric Pathology - 2016

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
2013	Resident Recruitment Award	Society for Pediatric Pathology
2016	Postdoctoral Association Travel Award	UTSW Postdoctoral Association and Women in Science and Medicine

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
2017-present	Assistant Professor	Pathology	University of Texas Southwestern

Appointments at Hospitals/Affiliated Institutions

<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2017-present	Staff Pathologist	Pathology	Children's Medical Center (Plano and Dallas)
2017-present	Staff Pathologist	Pathology	Parkland Health and Hospital Systems

Major Administrative/Leadership Positions

Year(s)	Position Title	Institution
2017-present	Residency Rotation Director – Pediatric Pathology (2 month rotation)	UTSW, Department of Pathology
2017-present	Residency Rotation Director – Pediatric Pathology (4-5 weeks rotation)	Baylor UMC residents via UTSW
2018-2019 2022-present	Specialty Advisor for the Field of Pathology	UTSW, Department of Pathology
2020-2023	Pediatric Pathology Fellowship Associate Program Director	UTSW, Department of Pathology

2023-present	Pediatric Pathology Fellowship Program Director	UTSW, Department of Pathology
2023-present	Perinatal subspecialty (specimens and diagnostic pathology), Section Leader	UTSW, Department of Pathology

Committee Service

Year(s)	Name of Committee	Institution/Organization
<u>UTSW</u>		
2017-present	Residency Education Committee – Anatomic and clinical Pathology Residency Program	UTSW, Department of Pathology
2017-present	Clinical Competency Committee - Anatomic and clinical Pathology Residency Program	UTSW, Department of Pathology
2018-present	Program Education Committee - Anatomic and clinical Pathology Residency Program	UTSW, Department of Pathology
2018	Self-Study Committee - Pediatric Pathology Fellowship	UTSW, Department of Pathology
2018-present	Clinical Competency Committee - Pediatric Pathology Fellowship	UTSW, Department of Pathology
2018-2019	Fellowship Program Evaluation Committee - Pediatric Pathology Fellowship	UTSW, Department of Pathology
2023	Chair of the Clinical Competency Committee – Anatomic and clinical Pathology Residency Program	UTSW, Department of Pathology
<u>Hospital</u>		
2018-2019	Sendout Utilization Committee	Children’s Medical Center Dallas
2020-2022	Health Information Management/Health Electronic Record Committee	Children’s Medical Center Dallas
2022-present	Laboratory Safety Committee	Children’s Medical Center Dallas

Professional Societies

Dates	Society Name, member
2011-present	College of American Pathologists, fellow
2011-present	Texas Society of Pathologists, member
2011-present	American Medical Association, member
2011-present	Texas Medical Association, member
2011-present	Dallas County Medical Society, member
2012-present	United States and Canadian Academy of Pathology, member
2012-present	American Society for Clinical Pathology, fellow

2015-present	Society for Pediatric Pathology, member
2016-2017	American Association for Cancer Research, member
2020	Connective Tissue Oncology Society, member
	Committees
2019-2023	Society for Pediatric Pathology, Finance Committee, committee member
2022-present	College of American Pathologists, Digital Content Committee, committee member
2023-present	Society for Pediatric Pathology, Finance Committee, Chair

Editorial Activities

Year(s)	Journal Name
<u>Ad Hoc Reviewer</u>	
2020	Placenta
2022	Annals of Medicine
2022	JAMA Otolaryngology-Head & Neck Surgery
2023	Fetal & Pediatric Pathology

Grant Support

<u>Past</u>	
2016-2017	The National Institutes of Health, National Research Service Award (T32)
	“Oncometabolites as biomarkers and potential vulnerabilities in childhood cancer” “MAGE gene family expression in pediatric medulloblastoma”
	Role: Research Trainee
	Award amount: 1 year salary (\$54,216)
2016	Center for Translational Medicine, UTSW
	“The expression and role of MAGE Proteins within medulloblastoma tumor cells”
	Role: Principal Investigator
	Award amount: Voucher for 50 hours of biostatistical analysis

Teaching Activities

Year(s)	Activity
<u>Medical and graduate school didactic and small group teaching</u>	
2018	Small group teaching – Medical students (7 sessions)
2019	Small group teaching – Medical students (9 sessions)
2021	Small group teaching – Medical students (5 sessions)

2022	Small group teaching – Medical students (5 sessions)
<u>Medical student rotations</u>	
2017	PATH 2107 - 4 week rotation in Pediatric Pathology (5 students)
2017	PATH 1901H – 1-4 week rotation through Pediatric Pathology (2 student)
2018	PATH 2107 - 4 week rotation in Pediatric Pathology (5 students)
2018	PATH 2007 - 2 week rotation in Pediatric Pathology (4 students)
2018	PATH 1901H – 1-4 week rotation through Pediatric Pathology (9 students)
2018	Pathology Bain Fellowship – 1-4 week rotation through Pediatric Pathology (2 students)
2019	PATH 2107 - 4 week rotation in Pediatric Pathology (4 students)
2019	PATH 2007 - 2 week rotation in Pediatric Pathology (2 students)
2019	PATH 1901H – 1-4 week rotation through Pediatric Pathology (3 students)
2020	PATH 2107 - 4 week rotation in Pediatric Pathology (2 students)
2020	PATH 2007 - 2 week rotation in Pediatric Pathology (1 student)
2020	PATH 1901H – 1-4 week rotation through Pediatric Pathology (9 students)
2021	PATH 2007 - 2 week rotation in Pediatric Pathology (10 students)
2021	PATH 2107 - 4 week rotation in Pediatric Pathology (3 students)
2021	PATH 1901H – 1-4 week rotation through Pediatric Pathology (7 students)
2021	Pathology Bain Fellowship – 1-4 week rotation through Pediatric Pathology (2 students)
2022	PATH 2007 - 2 week rotation in Pediatric Pathology (2 students)
2022	PATH 2107 - 4 week rotation in Pediatric Pathology (1 student)
2022	PATH 1901H – 1-4 week rotation through Pediatric Pathology (5 students)
2022	Pathology Selective – 4 week rotation in Pediatric Pathology (1 student)
2023	PATH 2007 - 2 week rotation in Pediatric Pathology (2 students to date)
2023	PATH 2107 - 4 week rotation in Pediatric Pathology (2 students to date)
2023	PATH 1901H – 1-4 week rotation through Pediatric Pathology (3 students to date)
<u>Postgraduate medical education (graduate & continuing medical education)</u>	
2018-present	Yearly Pediatric Pathology Review Lecture to prepare residents for the Resident In Service Exam
2018	Pathology Elective for Pediatric Residents – 1-4 week rotation (4 residents)
2019	Pathology Elective for Pediatric Residents – 1-4 week rotation (1 resident)
2020	Pathology Elective for Pediatric Residents – 1-4 week rotation (2 residents)
2021	Pathology Elective for Pediatric Residents – 1-4 week rotation (2 residents)
2022	Pathology Elective for Pediatric Residents – 1-4 week rotation (2 residents)
2023	Pathology Elective for Pediatric Residents – 1-4 week rotation (2 residents to date)

Invited Lectures

Year(s)	Title	Location
<u>Regional/Local</u>		
2017-ongoing	Urology Slide Conference <i>Quarterly conference with pediatric urology trainees and faculty to discuss the histology of recent urology surgical cases.</i>	Children's Medical Center
2017	MAGE Gene Family Expression in Pediatric Medulloblastoma. <i>Works-in-Progress, Department of Pathology: February 28, 2017.</i>	UT Southwestern – Department of Pathology
2018	Congenital Abdominal Wall Defects. <i>Disease and Dissection (D&D), Department of Pediatrics: April 13, 2018.</i>	Children's Medical Center
2019	PTEN Hamartoma Tumor Syndrome: Histologic and Molecular Diagnosis. (Presented in conjunction with Dr. Jason Park) <i>Disease and Dissection (D&D), Department of Pediatrics: June 13, 2019.</i>	Children's Medical Center
2020	Omental Thickening in a Child: When Everything is a Zebra (Presented in conjunction with the Departments of Infectious Disease, Microbiology, and Hematology/Oncology) <i>Clinical-Pathologic Correlation, Department of Pediatrics: February 5, 2020.</i>	Children's Medical Center
2022	Mysterious death in a hyperglycemic child: clues in post-mortem testing <i>Children's Health Transfusion and Laboratory Medicine Virtual Conference: February 11, 2022.</i>	Children's Medical Center
2023	Placental pathology for the community pathologist <i>Department of Pathology: November, 2023 (exact date TBD)</i>	Baylor University Medical Center

Service to the Community

Year(s)	Role	Organization or Institution
2014	Volunteer Photographer	UTSW Pathology Department
Photographed “residents in action” for the department’s resident recruitment handbook, given to resident candidates on interview day.		
2016	Volunteer Science Fair Judge	UTSW Student Outreach
Using a rubric, judged science fair posters at the Irma Rangel Middle School, Dallas. <i>December 13, 2016</i>		
2017	Volunteer for interactive science workshop with high school students	Health Professions Recruitment and Exposure Program (HPREP)
Showed several groups of students interested in science how to use a microscope and taught them basic histology in a 5-15 minute time window as they rotated through different stations. <i>January 28, 2017</i>		
2023	Volunteer Science Fair Judge	Plano Independent School District
Using a rubric, and working cooperatively with other volunteer judges, I judged science fair posters and oral presentations of senior level high school students who were planning on presenting their projects at a national level competition. <i>January 28, 2023</i>		

Bibliography

Peer-Reviewed Publications

Original Research Articles

1.	Sarode VR, Xiang QD, Christie A, Collins R. Rao R, Leitch AM, Euhus D, Haley B. Evaluation of HER2/neu status by immunohistochemistry using computer-based image analysis and correlation with gene amplification by fluorescence in situ hybridization assay: A 10-year experience and impact of test standardization on concordance rate. <i>Archives of Pathology and Laboratory Medicine.</i> 2015;139(7):922-928. DOI: 10.5858/arpa.2014-0127-OA PMID: 26125432
2.	Majumder A, Wick CC, Collins R, Booth TN, Isaacson B, Kutz JW. Pediatric Langerhans cell histiocytosis of the lateral skull base. <i>International Journal of Pediatric Otorhinolaryngology.</i> 2017;99:135–40. DOI: 10.1016/j.ijporl.2017.06.011 PMID: 28688556
3.	Adhikari EH, Morena W, Zofkie AC, MacDonald L, McIntire DD, Collins RRJ, Spong CY. Pregnancy outcomes among women with and without SARS-CoV-2 infection. <i>JAMA Netw Open.</i> 2020;3(11):e2029256. DOI: 10.1001/jamanetworkopen.2020.29256 PMID: 33211113

Reviews, Chapters, Monographs and Editorials

1.	Collins RRJ , Patel K, Putnam W, Kapur P, Rakheja R. Oncometabolites: a new paradigm for oncology, metabolism, and the clinical laboratory. <i>Clinical Chemistry</i> . 2017;63(12):1812-1820. DOI: 10.1373/clinchem.2016.267666 PMID: 29038145
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Case Reports

1.	Dogan MS, Collins R , Wang J, Koral K. Subcutaneous sacrococcygeal ependymoma in a child. <i>The Spine Journal</i> . 2016;16(8):e513-e514 DOI: 10.1016/j.spinee.2016.01.186 PMID: 26826346
2.	Collins RRJ , Barth B, Megison S, Pfeifer CM, Rice LM, Harris S, Timmons CF, Rakheja D. ACTG2-associated visceral myopathy with chronic intestinal pseudoobstruction, intestinal malrotation, hypertrophic pyloric stenosis, choledochal cyst, and a novel missense mutation. <i>Int J Surg Pathol</i> . 2019;27(1):77-83. DOI: 10.1177/1066896918786586 PMID: 30019982
3.	Sisman J, Jaleel MA, Moreno W, Rajaram V, Collins RRJ , Savani RC, Rakheja D, Evans AS. Intrauterine transmission of SARS-CoV-2 infection in a preterm infant. <i>Pediatr Infect Dis J</i> . 2020;39(9):e265-e267. DOI: 10.1097/INF.0000000000002815 PMID: 32658097
4.	Edwards A, Passoni NM, Collins R , Vidi S, Gattineni J, Baker LA. Neonatal Serum Electrolyte and Proteinuria Screening on 46,XY Ambiguous Genitalia Patients May Allow Early Diagnosis of Denys-Drash Syndrome: A Case Report. <i>Urology</i> . 2020;Dec 3;S0090-4295(20)31425-4 DOI: 10.1016/j.urology.2020.11.035 PMID: 33279611
5.	Schwartz DA, Baldewijns M, Benachi A, Bugatti M, Collins RRJ , De Luca D, Facchetti F, Linn RL, Marcelis L, Morotti D, Morotti R, Parks WT, Patanè L, Prevot S, Pulinx B, Rajaram V, Strybol D, Thomas K, Vivanti AJ. Chronic histiocytic intervillitis with trophoblast necrosis are risk factors associated with placental infection from Coronavirus Disease 2019 (COVID-19) and intrauterine maternal-fetal Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) transmission in liveborn and stillborn infants. <i>Arch Pathol Lab Med</i> . 2021 May 1;145(5):517-528. DOI: 10.5858/arpa.2020-0771-SA PMID: 33393592
6.	Schwartz DA, Baldewijns M, Benachi A, Bugatti M, Bulfamante G, Cheng K, Collins RRJ , Debelenko L, De Luca D, Facchetti F, Fitzgerald B, Levitan D, Linn RL, Marcelis L, Morotti D, Morotti R, Patanè L, Prevot S, Pulinx B, Saad AG, Schoenmakers S, Strybol D, Thomas K, Tosi D, Toto V, van der Meeren LE, Verdijk RM, Vivanti AJ, Zaigham M. Hofbauer cells and coronavirus disease 2019 (COVID-19) in pregnancy: Molecular pathology analysis of villous macrophages, endothelial cells, and placental findings from 22 placentas infected by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) with and without fetal transmission. <i>Arch Pathol Lab Med</i> . 2021 Nov 1;145(11):1328-1340. DOI: 10.5858/arpa.2021-0296-SA. PMID: 34297794.
7.	Rakheja D, Park JY, Fernandes NJ, Watt TC, Laetsch TW, Collins RRJ . Pediatric Non-Myofibroblastic Primitive Spindle Cell Tumors with ALK Gene Rearrangements and Response to Crizotinib. <i>Int J Surg Pathol</i> . 2022 Sep;30(6):706-715. DOI: 10.1177/10668969221080072. PMID: 35164578.

Non-peer reviewed scientific or medical publications/materials in print or other media

1.	Collins R , Xiang D, Christie A, Leitch M, Euhus D, Rao R, Haley B, Sarode V. Abstract P1-07-04: Comparison of HER2 expression by immunohistochemistry (IHC) using automated imaging system and fluorescence in situ hybridization (FISH). A retrospective analysis of 2853 cases. <i>Cancer Res.</i> 2012;72(24 Supplement):P1-07-04. DOI: 10.1158/0008-5472.SABCS12-P1-07-04
2.	Collins RJ , Cope-Yokoyama S, Rajaram V, Rakheja D, Luu HS. (Abstract title: Comparison of intraoperative interpretations in pathology reports and operative reports in a large pediatric institution.) Society for Pediatric Pathology and Paediatric Pathology Society Fall Meeting, Birmingham, England, September 4–6, 2014. <i>Pediatr Dev Pathol.</i> 2015;18(2):e40–e63. DOI: 10.2350/14-08-1535-MISC.1
3.	Collins RJ , Pastor JV, Sengupta AL, Rakheja D. (Abstract title: Polyamine Catabolism in Wilms Tumors: A Gene Expression Study.) Society for Pediatric Pathology Spring Meeting, Boston, Massachusetts, March 21–22, 2015. <i>Pediatr Dev Pathol.</i> 2015;18(2): e1–e24. DOI: 10.2350/15-02-1606-MISC.1
4.	Collins RJ , Gopa P, Lamphere M, Rakheja D. (Abstract title: Evaluation of AKR1B10 immunohistochemistry in childhood hepatocellular malignancies.) Society for Pediatric Pathology Spring Meeting, Spring Meeting, Seattle, Washington, March 11–13, 2016. <i>Pediatr Dev Pathol.</i> 2016;19(4):e1-e30. DOI: 10.2350/16-03-1793-MISC.1
5.	Collins RR , Fon Tacer K, Rakheja D, Potts PR. MAGE gene family expression in pediatric medulloblastoma: frequency and possible therapeutic target. <i>Cancer Res.</i> 2017;77(13 Suppl):Abstract nr 4880. DOI: 10.1158/1538-7445.AM2017-4880
6.	Collins RR , Danielsen T, Barth BA, Timmons CF; Rakheja D. (Abstract title: Novel Heterozygous ACTG2 Mutation in Chronic Intestinal Pseudo-Obstruction With Visceral Myopathy and Actin-Positive Inclusions.) Abstracts and case studies from the College of American Pathologists 2017 Annual Meeting (CAP17). <i>Arch Pathol Lab Med.</i> 2017;141(9):e2-e191. DOI: 10.5858/arpa.2017-0238-AB
7.	Willis KR, Collins RR , Boriack RL, Rakheja D. Clear cell sarcoma of the kidney shows elevated levels of the oncometabolite and epigenetic modifier L-2-hydroxyglutarate. <i>Abstract presentation: The Connective Tissue Oncology Society 2018 Annual Meeting, Rome, Italy. November 15, 2018.</i>
8.	Collins RRJ , Johnson-Welch S. Infantile Galactosidase Deficiency Diagnosed on Placental Examination. <i>Abstract presentation: Society for Pediatric Pathology Fall 2019 Meeting, Pittsburgh October 18, 2019.</i>
9.	Collins R , Thaker A, Uddin N, Park J, Rakheja D. Pediatric non-myofibroblastic mesenchymal neoplasma with ALK and ROS1 gene rearrangements. <i>Abstract presentation: The Connective Tissue Oncology Society 2020 Meeting, Virtual. Nov 18-21, 2020.</i>
10.	Sethi S, Park JY, Rakheja D, Collins RRJ . Intracranial mesenchymal tumor with PLAG1 gene fusion (PLAGoma). <i>Poster presentation and 3rd place award winner: Children’s Health Transfusion and Laboratory Medicine Conference, Virtual, Feb 11, 2022.</i>

11.	Sethi S, Park JY, Rakheja D, Collins RRJ . Intracranial mesenchymal tumor with PLAG1 gene fusion (PLAGoma). <i>Abstract presentation: Society for Pediatric Pathology Spring 2022 Meeting, Virtual. March 19-20, 2022.</i>
12.	Deepansh Dalela, Shane Batie, Alexandra Carolan, Irina Stanasel, Yvonne Chan, Bruce Schlomer, Craig Peters, Rebecca Collins, Micah Jacobs. Renal medullary carcinoma: zebra amongst the horses. <i>Mystery case presentation: Pediatric Urologic Oncology Work Group, Pediatric Urology Fall Congress. September 21, 2023.</i>