Stanford



Darren Salmi

Clinical Associate Professor, Pathology

CLINICAL OFFICE (PRIMARY)

- **Department of Pathology**

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Bio

BIO

Dr. Salmi is a Clinical Associate Professor of Pathology at Stanford University. He received his M.S. from Stanford University, his M.B.A. from Fitchburg State, his M.D. from U.C. Davis, and completed his Anatomic Pathology Residency at Stanford University. He specializes in pediatric cardiovascular pathology as well as adult and pediatric autopsy pathology. He is an Assistant Dean for Academic Advising and course director for the core medical and PA student Clinical Anatomy course as well as the Human Anatomy series for undergraduates.

CLINICAL FOCUS

- Cardiovascular Pathology
- Autopsy Pathology
- Anatomic and Clinical Pathology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pathology
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Assistant Dean, Academic Advising, Stanford University School of Medicine, (2020- present)

HONORS AND AWARDS

- Medical Education Award, Department of Pathology (2024)
- Henry J. Kaiser Family Foundation Award for Excellence in Preclinical Teaching, Stanford School of Medicine (2020)
- Award for Excellence in Promotion of Learning Environment and Student Wellness, Stanford School of Medicine (2018)
- Lawrence H. Mathers Award for Exceptional Commitment to Teaching & Medical Student Education, Stanford School of Medicine (2017)
- Henry J. Kaiser Family Foundation Award for Excellence in Preclinical Teaching, Stanford School of Medicine (2016)
- Outstanding Lecture/Presentation, Stanford School of Medicine (2015)

- Junior Faculty Teaching Award, Anatomic Pathology (2014)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Junior Faculty Representative, Association of American Medical Colleges (AAMC), Council of Faculty and Academic Societies (2016 - 2019)
- Board Member, UC Davis School of Medicine Alumni Association Board of Directors (2016 - 2020)
- Member, Society for Cardiovascular Pathology (2019 - present)
- Member, Society for Pediatric Pathology (2022 - present)

PROFESSIONAL EDUCATION

- Board Certification: Anatomic Pathology, American Board of Pathology (2013)
- Residency: Stanford University Department of Pathology (2013) CA
- Medical Education: University of California Davis School of Medicine (2010) CA
- MBA, Fitchburg State University , Business Administration (Healthcare Management) (2022)
- MS, Stanford University , Biological Sciences (2005)
- BS, UC Santa Barbara , Mathematics, Microbiology (2003)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Cardiovascular pathology, congenital heart disease, autopsy, medical education

Teaching

COURSES

2026-27

- Clinical Anatomy (Macroscopic, Microscopic, Developmental, Imaging): SURG 203 (Aut)
- Human Anatomy (Online): PATH 151 (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Cardiopulmonary System: PATH 151B (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Gastrointestinal and Genitourinary Systems: PATH 151C (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Musculoskeletal System: PATH 151A (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Nervous, Endocrine, and Sensory Systems: PATH 151D (Aut, Win, Spr, Sum)

2025-26

- Clinical Anatomy (Macroscopic, Microscopic, Developmental, Imaging): SURG 203 (Aut)
- Human Anatomy (Online): PATH 151 (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Cardiopulmonary System: PATH 151B (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Gastrointestinal and Genitourinary Systems: PATH 151C (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Musculoskeletal System: PATH 151A (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Nervous, Endocrine, and Sensory Systems: PATH 151D (Aut, Win, Spr, Sum)

2024-25

- Clinical Anatomy: SURG 203 (Aut)
- Embryology: SURG 201 (Aut)
- Histology: INDE 218 (Aut)

- Human Anatomy (Online): PATH 51 (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Cardiopulmonary System: PATH 51B (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Gastrointestinal and Genitourinary Systems: PATH 51C (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Musculoskeletal System: PATH 51A (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Nervous, Endocrine, and Immune Systems: PATH 51D (Aut, Win, Spr, Sum)

2023-24

- Clinical Anatomy: SURG 203 (Aut)
- Embryology: SURG 201 (Aut)
- Histology: INDE 218 (Aut)
- Human Anatomy (Online): PATH 51 (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Cardiopulmonary System: PATH 51B (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Gastrointestinal and Genitourinary Systems: PATH 51C (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Musculoskeletal System: PATH 51A (Aut, Win, Spr, Sum)
- Regional Anatomy (Online): Nervous, Endocrine, and Immune Systems: PATH 51D (Aut, Win, Spr, Sum)

STANFORD ADVISEES

Academic Advising Dean

Gita Abhiraman, Siwaar Abouhala, Lehi Acosta-Alvarez, Rian Alam, Mitra Alikhani, Kathryn Anderson, Shriya Awasthi, Maximilian Bailey, Mehdi Baqri, Brandon Bergsneider, Mya Bojarsky, Brianna Brasko, Kenneth Brinson, Olivia Canter, Joshua Chan, Michael Chen, Campbell Coleman, Madeline Cooper, Eshan Damle, Rayyan Darji, Daniel Diatlov, Elizabeth Ener, Selin Everett, Andrea Fisher, Katherine Fu, Joe Ha, Kerrigan Hall, Kelly Huang, Serena Jing, Yemisi Joseph, Sebastian Kenny, Dale Kim, Ivy Koh, Huong Le, Devon Lee, Emma Lo, Sainiteesh Maddineni, Karen Malacon, Madelyn Mauro, David McNeely, Alicia Mercado, Richard Muniz, Aditya Narayan, Sachin Narayan, Gabrielle (Gabi) Ndakwah, Patton Nguyen, Melissa Ogle, Aayan Patel, Clara Poupault, Johnny Powell, Yasmeen Quadri, Justin Quan, Sanjeeth Rajaram, Abu Rogers, Alice Serenska, Maria Suarez-Nieto, Nathan Tran, Ashley Utz, Vaithish Velazhahan, Tiffany Yue, Anson Zhou, Zeyi Zhou, Maha Zubaidi

Publications

PUBLICATIONS

- **Milli-spinner thrombectomy.** *Nature*
  Chang, Y., Wu, S., Li, Q., Pulli, B., Salmi, D., Yock, P., Heit, J. J., Zhao, R. R.
  2025
- **Fatal Recurrence of IEC-HS Following Autologous Stem Cell Boost in Patients Receiving BCMA CAR-T Cell Therapy.** *Blood advances*
  Ananth, S., Torres, N. E., Sahaf, B., Mikkilineni, L., Fernandez-Pol, S., Salmi, D., Negrin, R. S., Shiraz, P., Smith, M., Bharadwaj, S., Weng, W. K., Kennedy, V. E., Dahiya, et al
  2025
- **Abnormal coronary artery origin in a patient with trisomy 13 (Patau syndrome)** *Journal of Cardiology and Vascular Medicine*
  Hu, Y., Upadhyay, P., Maskatia, S., Hooper, J. E., Salmi, D.
  2025; 11: 1-7
- **Abnormalities in Coronary Microvasculature in Pulmonary Atresia With Intact Ventricular Septum.** *Circulation. Cardiovascular imaging*
  Vincent, A. G., Ichimura, K., Ichimura, S., Alden, A. O., Price, E., Salmi, D., Kushwaha, A., Spiekerkoetter, E., Reddy, S.
  2024: e017415
- **Cardiovascular collapse and McConnell's sign as early manifestations of leucostasis.** *BMJ case reports*
  Rozenbaum, D., Lebold, K. M., Lee, D., Salmi, D., Htet, N. N.

2024; 17 (2)

- **Combined near infrared photoacoustic imaging and ultrasound detects vulnerable atherosclerotic plaque.** *Biomaterials*
  Schneider, M. K., Wang, J., Kare, A., Adkar, S. S., Salmi, D., Bell, C. F., Alsaigh, T., Wagh, D., Coller, J., Mayer, A., Snyder, S. J., Borowsky, A. D., Long, et al
  2023; 302: 122314

- **In vivo visualization and molecular targeting of the cardiac conduction system.** *The Journal of clinical investigation*
  Goodyer, W. R., Beyersdorf, B. M., Duan, L., van den Berg, N. S., Mantri, S., Galdos, F. X., Puluca, N., Buikema, J. W., Lee, S., Salmi, D., Robinson, E. R., Rogalla, S., Cogan, et al
  2022

- **Orthotopic Heart Transplant in Toddler with Histiocytoid Cardiomyopathy and Left Ventricular Non-Compaction**
  Iqbal, M. S., Salmi, D., Goodyer, W. R., Hollander, S. A.
  ELSEVIER SCIENCE INC.2022: S514

- **A Contemporary Study of Pathologic Kidney Findings in Congenital Heart Disease**
  DeRussy, B., Miller, P., Kambham, N., Kwiatkowski, D., Salmi, D., Troxell, M.
  SPRINGERNATURE.2021: 1000–1001

- **Educational Case: Pneumoconiosis.** *Academic pathology*
  Nguyen, J., Salmi, D.
  2021; 8: 23742895211013530

- **Educational Case: Tetralogy of Fallot and a Review of the Most Common Forms of Congenital Heart Disease.** *Academic pathology*
  Hayes-Lattin, M. n., Salmi, D. n.
  2020; 7: 2374289520934094

- **Educational Case: Primary Osteosarcoma.** *Academic pathology*
  Petriceks, A. H., Salmi, D.
  2019; 6: 2374289518820337

- **Educational Case: Symptomatic but Unruptured Abdominal Aortic Aneurysm.** *Academic pathology*
  Petriceks, A. H., Olivas, J. C., Salmi, D.
  2018; 5: 2374289518798560

- **Trends in Pathology Graduate Medical Education Programs and Positions, 2001 to 2017** *ACADEMIC PATHOLOGY*
  Petriceks, A. H., Salmi, D.
  2018; 5: 2374289518765457

- **Mock gynecologic cytology proficiency testing as a milestone assessment tool for anatomic pathology residents.** *Journal of the American Society of Cytopathology*
  Salmi, D. J., Toth, B. D., Kong, C. S.
  2014; 4 (1): 10–15

- **Occult pigmented ganglioglioma in an adult male with chronic posttraumatic epilepsy.** *Clinical neuropathology*
  Plowey, E. D., Vogel, H., Salmi, D., Shuer, L. M.
  2013; 32 (3): 192-195

- **Thrombotic Thrombocytopenic Purpura in a Child With Systemic Lupus Erythematosus** *JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY*
  Thampi, S., Salmi, D., Imashuku, S., Ducore, J., Satake, N.
  2011; 33 (3): 221-223

- **Neuroblastoma of Unknown Primary Site With Periorbital Bone Metastasis in a Child** *PEDIATRIC BLOOD & CANCER*
  Salmi, D., Patel, C., Imashuku, S., Shimada, H., Satake, N.
  2010; 55 (2): 361-363

- **Diagnostic challenges in native valve fungal endocarditis producing a massive septic pulmonary embolus.** *Nihon Ishinkin Gakkai zasshi = Japanese journal of medical mycology*
  Salmi, D., Bhat, A., Corman, L., Raff, G., Satake, N.

2010; 51 (4): 207-210

- **Screening for and treatment of polycystic ovary syndrome in teenagers** *EXPERIMENTAL BIOLOGY AND MEDICINE*
  Salmi, D. J., Zisser, H. C., Jovanovic, L.
  2004; 229 (5): 369-377

PRESENTATIONS

- The Power of the Placenta - Nursing Now (12/14/2022)
- Wolff Parkinson White and Other Matters of the Heart - A Description of a Morphological Anomaly - American Association of Clinical Anatomists (AACA) (6/2019)
- Case Report: Anatomical Abnormalities seen in the Epiglottis of a Cystic Fibrosis Patient - American Association of Clinical Anatomists (AACA) (6/2019)
- Thrombotic events in pulmonary artery conduits - American Association of Clinical Anatomists (AACA) (6/2019)
- Unusual Ovarian Histologic Findings in a Case of Nager Syndrome and a Possible Shared Etiology - American Association of Clinical Anatomists (AACA) (7/8/2018)
- Persistent left superior vena cava in patients without known congenital cardiovascular malformations - American Association of Clinical Anatomists (June 15, 2016)
- Development of a required anatomy course for undergraduate bioengineering students - American Association of Clinical Anatomists (June 14, 2016)