

CURRICULUM VITAE

Simon Boyi Chen, MD

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EDUCATION AND TRAINING:

- 9/2008–6/2012 Honors Bachelor of Science (Biological Chemistry), High Distinction
University of Toronto
Toronto, Ontario, Canada
- 8/2012–5/2016 Doctor of Medicine
Washington University School of Medicine
St. Louis, Missouri, United States
- 7/2016–6/2020 Residency in Anatomic and Clinical Pathology
Stanford Health Care
Stanford, California, United States
- 7/2020–6/2021 Fellowship in Molecular Genetic Pathology
Stanford Health Care
Stanford, California, United States
- 7/2021–6/2022 Fellowship in Surgical Pathology
Stanford Health Care
Stanford, California, United States

LICENSURE:

- 8/2017–Present Medical License, Medical Board of California (Active, No. A150992)

SELECTED HONORS AND AWARDS:

- 6/2012 John Black Aird Scholarship
Governor General's Silver Academic Medal
Chancellor's Gold Medal in Science, Trinity College
- 3/2012 Gordon Cressy Student Leadership Award
- 11/2013 Antoinette Frances Dames Award in Cell Biology and Physiology
- 11/2014 Howard A. McCordock Prize in Pathology
- 3/2019 Patient Safety Star Award, Stanford Health Care

RESEARCH AND ACADEMIC INTERESTS:

Molecular Genetic Pathology
Oncologic Pathology
Cardiothoracic Pathology
Digital Pathology
Artificial Intelligence Applications in Pathology
Quality Assurance and Improvement

TEACHING EXPERIENCE:

- 12/2016–Present Resident Facilitator, Human Health and Disease Course

Course Director: Donald Regula, MD, Department of Pathology, Stanford University School of Medicine

Laboratory sessions for the preclinical course for Stanford medical students

COMMITTEE SERVICE:

8/2017–6/2020

Member, Resident Safety Council (RSC), Graduate Medical Education
RSC Resident Champion, Department of Pathology, Stanford University School of Medicine

BIBLIOGRAPHY:

Peer Reviewed Journal Articles

- (1) Beharry AA, Chen T, Al-Abdul-Wahid MS, Samanta S, Davidov K, Sadvovski O, Ali AM, **Chen SB**, Prosser RS, Chan HS, Woolley GA. Quantitative analysis of the effects of photoswitchable distance constraints on the structure of a globular protein. *Biochemistry* 2012;51:6421-31.
- (2) Crabtree TD, Puri V, **Chen SB**, Gierada DS, Bell JM, Broderick S, Krupnick AS, Kreisel D, Patterson GA, Meyers BF. Does the method of radiologic surveillance affect survival after resection of stage I non-small cell lung cancer? *Journal of Thoracic and Cardiovascular Surgery* 2015;149:45-53.
- (3) Yang C, **Chen S**, Gaut JP, Dehner LP. Smooth muscle myopathy in systemic lupus erythematosus presenting with intestinal pseudo-obstruction. *American Journal of Gastroenterology* 2016;111:1501-2.
- (4) **Chen SB**, Kudose S, Krigman HR. Decidual granulomatous reaction in placenta from a preeclamptic pregnancy: a case report and review of the literature. *Virchows Archiv* 2018;472:689-92.
- (5) Dudley JC, Schroers-Martin J, Lazzareschi DV, Shi WY, **Chen SB**, Esfahani MS, Trivedi D, Chabon JJ, Chaudhuri AA, Stehr H, Liu CL, Lim H, Costa H, Nabet BY, Sin MLY, Liao JC, Alizadeh AA, Diehn M. Detection and surveillance of bladder cancer using urine tumor DNA. *Cancer Discovery* 2019;9:500-9.
- (6) Kiani A, Uyumazturk B, Rajpurkar P, Wang A, Gao R, Jones E, Yu Y, Langlotz CP, Ball R, Montine T, Martin B, Berry GJ, Ozawa MG, Hazard FK, Brown RA, **Chen SB**, Wood M, Allard LS, Ylagan L, Ng AY, Shen J. Impact of a deep learning assistant on the histopathologic classification of liver cancer. *npj Digital Medicine* 2020;3:23.
- (7) Shaller BD, **Chen SB**, Ho DY, Yu DH. Atypical blastomycosis masquerading as Löfgren syndrome. *American Journal of Respiratory and Critical Care Medicine* 2020;202:1035-6.
- (8) Yang L, Ghosh RP, Franklin JM, **Chen S**, You C, Narayan RR, Melcher ML, Liphardt JT. NuSeT: A deep learning tool for reliably separating and analyzing crowded cells. *PLoS Computational Biology* 2020;16:e1008193.

Conference Abstracts

- (1) Beharry AA, Sadvovski O, **Chen SB**, Fan HY, Zhang F, Al-Abdul-Wahid S, Prosser RS, Woolley GA. A long diethynyl-substituted azobenzene cross-linker for increasing the degree of photo-controlled protein structural change. 93rd Canadian Chemistry Conference and Exhibition; Toronto, Ontario, Canada, June 2010.

- (2) Crabtree TD, Puri V, **Chen SB**, Gierada DS, Bell JM, Broderick S, Krupnick AS, Kreisel D, Patterson GA, Meyers BF. Surveillance with chest x-ray vs. CT scan after resection for stage I non-small cell lung cancer: does earlier detection result in improved survival? American Association for Thoracic Surgery 2014 Annual Meeting; Toronto, Ontario, Canada, April 2014.
- (3) **Chen SB**, Stehr H, Zehnder JL, Dudley JC. Detection of large chromosomal abnormalities in tumors through analysis of off-target next-generation sequencing (NGS) read data. United States and Canadian Academy of Pathology 2018 Annual Meeting; Vancouver, British Columbia, Canada, March 2018.
- (4) Narayan R, Abadilla N, Yang L, Hsu CC, Jensen C, **Chen SB**, Higgins JP, Melcher ML. Quantification of donor liver steatosis using an unsupervised artificial intelligence platform. American College of Surgery Clinical Congress 2019; San Francisco, California, October 2019.