

SAMPLE CV

Jennifer Lynn Stripay, PhD

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EDUCATION

Doctor of Philosophy (PhD), Neuroscience 2016
Master of Science (MS), Neuroscience 2014
University of Rochester School of Medicine and Dentistry • Rochester, NY

Bachelor of Science (BS), Biology May 2009
The Pennsylvania State University • University Park, PA

PROFESSIONAL EXPERIENCE

Leader of Scientific Communications Aug 2022-Present
Scientific Writer; Research Communications Jan 2021-Aug 2022

St. Jude Children's Research Hospital • Memphis, TN
Strategic Communications, Education and Outreach Department

- Lead an interdisciplinary team of ten team members including scientific communications specialists, digital media developers, and marketing professionals to deliver and communicate the organizations news, research and accomplishments
- Manage a robust project portfolio to amplify the reputation of St. Jude as a competitive research enterprise, enhance recruitment and retention of top talent, and foster innovation and collaboration across the institution
- Develop written content for the re-imagined St. Jude Research website
- Strategize internal and external communication pipelines to foster buy-in and awareness of the biomedical research efforts
- Foster and establish relationships with various stakeholders to develop and deliver effective scientific communication tools

Postdoctoral Fellow • St. Jude Children's Research Hospital • Memphis, TN Dec 2016-Dec 2020
Department of Tumor Cell Biology; PI: Dr. Martine F. Roussel

- Utilize CRISPR/Cas9 technology, iPSC/stem cell systems, and animal modeling to determine the role of epigenetic regulators in Group 3 medulloblastoma tumor initiation, progression, and maintenance
- Shepherd pharmacological and radiation-based studies through preclinical and early clinical pipeline to identify novel therapeutic approaches for high risk SHH medulloblastoma
- Execute preclinical testing of candidate agents as part of collaborative agreements with pharmaceutical partners of SJCRH

Graduate Research Trainee Aug 2011-Oct 2016

University of Rochester School of Medicine and Dentistry • Rochester, NY
Neuroscience Graduate Program, Department of Biomedical Genetics; PI: Dr. Mark Noble

- Identified that restoration of Redox/Fyn/c-Cbl signaling in GBM using a repurposed agent, in combination with existing therapy, could significantly inhibit in vivo tumor growth and extend survival in a murine xenograft model of GBM
- Discovered that through rescue of c-Cbl activity, this drug combination could modulate a network of cancer control nodes involved in cell cycle regulation, stress response and autophagy
- Investigated fundamental principles of neurodevelopment, redox biology, and stem cell properties implicated in GBM pathogenesis
- Directed an interdisciplinary team of students, faculty, and clinicians across several research projects

Research Scientist

Aug 2010-Aug 2011

University of Pittsburgh Medical Center • Pittsburgh, PA
 Department of Microbiology and Molecular Genetics; PI: Dr. Paul Robbins and Dr. Laura Niedernhofer
 Research Focus: *Examining the role of DNA damage and oxidative stress in aging and age-related effects on stem cell reprogramming efficiency*

Research Scientist

Aug 2009-Aug 2011

University of Pittsburgh Medical Center • Pittsburgh, PA Department of Trauma Surgery and Critical Care
 Medicine; PI: Dr. Matthew Rosengart
 Research Focus: *Investigating the role of CamKI in an in vivo LPS model of acute lung injury*

PUBLICATIONS AND PATENTS

Endersby R, Whitehouse J, Pribnow A, Kuchibhotia M, Hii H, Gande S, **Stripay J**, et al. Small molecule screen reveals synergy of cell cycle checkpoint kinase inhibitors with DNA-damaging chemotherapies in medulloblastoma. *Science Translational Medicine*, 2021. PMID: 33472956

Haydar D, Houke H, Chiang J, Yi Z, Ode Z, Caldwell K, Zhu X, Mercer KS, **Stripay JL**, et al. Cell-surface antigen profiling of pediatric brain tumors: B7-H3 is consistently expressed and can be targeted via local or systemic CAR T-cell delivery. *Neurooncology*, 2021. PMID: 33320196

Stripay JL, Merchant TE, Roussel MF, Tinkle CL. Preclinical Models of Craniospinal Irradiation for Medulloblastoma. *Cancers*, 2020. PMID: 31948065

Campagne O, Davis A, Maharaj AR, Zhong B, **Stripay J**, et al. *Eur J Pharm Sci*, 2020. PMID: 31669383

Roussel, MF and **Stripay JL**. Modeling pediatric medulloblastoma. *Brain Pathology*, 2019. PMID: 31788908

Roussel MF and **Stripay JL**. Epigenetic Drivers in Pediatric Medulloblastoma. *Cerebellum*, 2018. PMID: 29178021

H Fuhrmann-Stroissnigg, Y Ling, J Zhao, S McGowan, S Gregg, **JL Stripay**, et al. Identification of HSP90 inhibitors as a novel class of senolytics. *Nature Communications*, 2017.

M Noble, M Mayer-Proschel, Z Li, T Dong, W Cui, C Proschel, I Ambekovic, J Dietrich, R Han, T Yang, C Folts, **J Stripay**, HY Chen, B Stevens. Redox biology in normal cells and cancer: Restoring function of the redox/fyn/c-cbl pathway in cancer cells offers new approaches to cancer treatment. *Free Radical Biology and Medicine*, 2014. PMID: 25481740

C Proschel, **JL Stripay**, CH Shih, J Munger, M Noble. Delayed transplantation of precursor cell-derived astrocytes provides multiple benefits in a 6-hydroxydopamine model of Parkinsons. *EMBO Mol Med*, 2014. PMID: 24477866

RD Collage, GM Howell, X Zhang, **JL Stripay**, JS Lee, DC Angus, MR Rosengart. Calcium supplementation during sepsis exacerbates organ failure and mortality via calcium/calmodulin-dependent protein kinase kinase signaling. *Crit Care Medicine*, 2013. PMID: 23887235

L Guo*, **JL Stripay***, RD Collage, X Zhang, M Hulver, E Carchman, B Zuckerbraun, JS Lee, MR Rosengart. CaMKI regulates AMPK-dependent, TORC-1 independent autophagy during LPS-induced acute lung injury. *J Immunol*, 2013. PMID: 23447692

X Zhang, L Guo, RD Collage, **JL Stripay**, A Tsung, JS Lee, MR Rosengart. Calcium/calmodulin-dependent protein kinase (CaMK) I mediates the macrophage inflammatory response to sepsis. *J Leukocyte Biol*, 2011. PMID: 21372190

Noble M, Stevens B, Chen HY, **Stripay JL**, Folts CJ, Scott N. Methods of treating cancer. U.S. Patent Application 62/424,734, filed November 2016. Patent Pending.

GRANTS AND FELLOWSHIPS

NIH Ruth L. Kirschstein NRSA F31 Fellowship • 2013 – 2016
National Cancer Institute F31CA177185 Role: PI

NINDS T32 Institutional Training Grant • 2011 – 2013
Neuroscience Graduate Program; University of Rochester School of Medicine

Irving L. Spar Fellowship (University of Rochester Medical Center) • 2011

CONFERENCE PRESENTATIONS AND WORKSHOPS

SNO Pediatric Neuro-Oncology Basic and Translational Research Conference (San Francisco, CA) • 2019 [Poster]
Interrogating the role of epigenetic regulators in Myc-driven medulloblastoma

Medulloblastoma in the Mountains (Whistler, BC) • 2019 [Invited Talk]
Identifying novel epigenetic regulators in pediatric medulloblastoma

International Conference on Disease Biomarkers and Precision Medicine (Houston, TX) • 2018 [Invited Talk]
Epigenetic Drivers in Pediatric Medulloblastoma

Keystone Symposia Conference; Cancer Epigenetics (Breckenridge, CO) • 2017 [Poster]
Interrogating the role of Smyd3 in Group 3 Medulloblastoma

SNO Pediatric Neuro-oncology Basic and Translational Research Conference (New York, NY) • 2017 AACR
Translational Cancer Research for Basic Scientists Workshop (Boston, MA) • 2015

AACR Advances in Brain Cancer Research (Washington, DC) • 2015 [Poster]
Building the network: Restoration of c-Cbl function as a critical therapeutic target in GBM that integrates multiple nodes of cancer control

St. Jude National Graduate Student Symposium (Memphis, TN) • 2015 [Poster, Oral Presentation] NCRM Cancer
Stem Cell Meeting (Cleveland, OH) • 2014 [Poster]
Building the network: Restoration of c-Cbl function as a critical therapeutic target in GBM that integrates multiple nodes of cancer control

NextGen Stem Cell Conference (Saratoga Springs, NY) • 2013 [Poster]
Restoring the Redox/Fyn/c-Cbl pathway through inhibition of FAK as a novel therapeutic approach in GBM

Cold Spring Harbor Cancer Biology and Therapeutics Meeting (CSH, NY) • 2013 [Poster]
Restoring the Redox/Fyn/c-Cbl pathway through inhibition of FAK as a novel therapeutic approach in GBM

Society for Neuroscience Annual Meeting (New Orleans, LA) • 2012 [Poster]
Restoring the Redox/Fyn/c-Cbl pathway through inhibition of FAK as a novel therapeutic approach in GBM

North American/ US Shock Society Annual Meeting (Portland, OR) • 2010 [Poster]
The Role of CaMKI in an in vivo LPS model of acute lung injury

TEACHING AND MENTORING

St. Jude/Paris Diderot University Program; Mentor • Summer 2019

Girls, Inc. Eureka Program (STEM) Invited Speaker • Summer 2019

Teaching Philosophy and Educational Theory Workshop; Rhodes College • July 2018
St. Jude Children's Research

Hospital Graduate Program Teaching Assistant • 2018 HHMI Entering Mentoring Course Participant • 2017

Research Mentor and Supervisor; Laboratory of Dr. Mark Noble • 2012-2016

7 PhD Rotation Students, 4 Laboratory Technicians, 12 Undergraduate Independent Study Students

Notable Mentee Achievements: National Conference of Undergraduate Research Selected Oral Presentation, UR Undergraduate Research Exposition Selected Presentation, Cornell University School of Veterinary Medicine Admit, REACH Fellowship Award Winner, Physical Therapy Graduate Program Admit

University of Rochester Department of Neuroscience Teaching Assistant • 2013
NSC503: Laboratory in Neurobiology

AWARDS AND HONORS

Memphis Business Journal Health Care Hero • 2021

Junior League of Memphis Leadership Award • 2021

Junior League of Memphis Volunteer of the Year • 2020

Junior League of Memphis Training Volunteer of the Year • 2019

University of Rochester School of Medicine and Dentistry Outstanding Graduate Student Mentor Award • 2015

Wilmot Cancer Institute Scientific Symposium Poster Grand Prize • 2014

URMC Stem Cell Symposium Poster Prize • 2013

Schmitt Program on Integrative Brain Research Travel Award • 2013

University of Rochester Dean's Office Graduate Student Travel Award • 2013

INSTITUTIONAL SERVICE

University of Rochester School of Medicine and Dentistry Alumni Council President • 2018 – 2021
Executive Committee; Education Committee Chair • 2012 – Present

St. Jude Children's Hospital Liaison Office Tour Guide and Lab Host • 2017 - Present

St. Jude Children's Hospital Post Doc Leadership Council • Vice Chair for Career Development • 2017 – 2021
URMC

Office for Advancement and Alumni Relations Ambassador • 2014 – 2016

URMC Center for Professional Development; Board Member • 2014 – 2016

Rochester Chapter Society for Neuroscience; Student Councilor • 2014 – 2016

Pre-doctoral Organization for Neurosciences; Founder and Executive Board Member • 2013 – 2016

URMC Neuroscience Retreat Committee • 2011-2015 (2015 Chairperson)

NATIONAL LEADERSHIP

Society for Neuroscience Online Program Steering Committee
Committee Chair • 2018-2021 Committee Member • 2014-2018

American Association for Cancer Research AMC-Led Program Committee • 2015-2016

Society for Neuroscience Trainee Advisory Committee • 2013-2016

COMMUNITY ENGAGEMENT

Memphis/Mid-south Chapter of The Pennsylvania State University Alumni Association • 2018

- Treasurer and Membership Chair, 2018-2019

Junior League of Memphis (Memphis, TN) • 2017 - Present

- Director of Strategic Communications, 2022-2023
- League Leadership Training Director, 2019-2020
- Training Event Coordinator, 2018-2019

Taste of Science Memphis (Memphis, TN) • 2017 – 2019

- Develop a community programming event to encourage dialogue between scientists and the general public
- Identify local sponsors to support event programming
- Coordinate volunteer efforts and event logistics

University of Rochester Brain Awareness Campaign Co-Chair (Rochester, NY) • 2013 – 2015

- Design and execute educational activities to engage over 1500 local elementary school students in learning about the central nervous system

ADDITIONAL EXPERIENCE AND TRAINING

Lean Six Sigma; Yellow Belt • 2020

iBiology Business Principles for Scientists; Course Facilitator • Spring 2020

Principles of R Course and Workshop Series (St. Jude CRH) • 2017

Leadership and Management for Scientists (URMC) • 2016

CubeTHINK Consulting • 2015 – 2017

- Performed due diligence for companies seeking investments from NY Medical Angels
- Executed market research for University of Rochester spin-off and local start-up biotech companies
- Identified market access points for the development of patient-reported clinical surveys

Neuro-Oncology Fellows Conference (URMC) • 2015 – 2016

NIH/CAI Neuro Start Up Challenge; Team Leader and President/CEO of VasoMark • 2014 – 2015

- Pioneered a start-up company, *VasoMark*, with the goal of commercializing a minimally invasive test to detect vascular dysfunction in neurological disease
- Directed a team of PhD students, clinicians, executives and KOLs in an international business competition
- Developed a formal business plan, valuation models, mock P&L statements, and capitalization projections

Fundamentals of Science Technology and Health Policy (URMC) • 2013

PROFESSIONAL ASSOCIATIONS

National Association of Science Writers • 2021 – Present

Society for Neuro-Oncology • 2019 – Present

Life Science Tennessee • 2017

American Association for the Advancement of Science • 2014 – Present

American Association for Cancer Research • 2013 – Present

Society for Neuroscience • 2011 – Present

Phi Beta Kappa • 2010

Jennifer Strip, provided myHub permission to utilize as example CV.